redbex

EPSG Coordinate systems with Proj4 Definition

This document lists most projected coordinates systems that are registered in the EPSG registry together with the definition of those coordinate systems in the syntax of Proj4, a coordinate transformation library that is internally used by redbex.

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REVISION HISTORY

Version	Description
2013-12-04	Initial Version
2014-02-19	Updated definitions

SUMMARY

Redbex internally uses the Proj4 software library for transfomrations of geographic an projected system. The projected systems you define within Redbex are therefore configured using Proj4 definition strings. This document lists Proj4 definition strings form most of the projected systems defined by the EPSG (European Petroleum Survey Group).

EPSG 2000, Anguilla 1957 / British West Indies Grid

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Ordnance Survey of Great Britain
Revision: 07.03.2000
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-62 +k=0.9995000000000001 +x_0=400000 +y_0=0 +ellps=clrk80 +units=m +no_defs`

EPSG 2001, Antigua 1943 / British West Indies Grid

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Ordnance Survey of Great Britain
Revision: 07.03.2000
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-62 +k=0.9995000000000001 +x_0=400000 +y_0=0 +ellps=clrk80 +units=m +no_defs`

EPSG 2002, Dominica 1945 / British West Indies Grid

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Ordnance Survey of Great Britain
Revision: 07.03.2000
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-62 +k=0.9995000000000001 +x_0=400000 +y_0=0 +ellps=clrk80 +towgs84=725,685,536,0,0,0,0 +units=m +no_defs`

EPSG 2003, Grenada 1953 / British West Indies Grid

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Ordnance Survey of Great Britain
Revision: 07.03.2000
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-62 +k=0.9995000000000001 +x_0=400000 +y_0=0 +ellps=clrk80 +towgs84=72,213.7,93,0,0,0,0 +units=m +no_defs`

EPSG 2004, Montserrat 1958 / British West Indies Grid

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Ordnance Survey of Great Britain
Revision: 07.03.2000
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-62 +k=0.9995000000000001 +x_0=400000 +y_0=0 +ellps=clrk80 +towgs84=174,359,365,0,0,0,0 +units=m +no_defs`

EPSG 2005, St. Kitts 1955 / British West Indies Grid

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Ordnance Survey of Great Britain
Revision: 03.02.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-62 +k=0.9995000000000001 +x_0=400000 +y_0=0 +ellps=clrk80 +units=m +no_defs`

EPSG 2006, St. Lucia 1955 / British West Indies Grid

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: Ordnance Survey of Great Britain

Revision: 03.02.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-62 +k=0.9995000000000001 +x_0=400000 +y_0=0 +ellps=clrk80 +towgs84=-149,128,296,0,0,0,0 +units=m +no_defs`

EPSG 2007, St. Vincent 45 / British West Indies Grid

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: Ordnance Survey of Great Britain

Revision: 03.02.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-62 +k=0.9995000000000001 +x_0=400000 +y_0=0 +ellps=clrk80 +towgs84=195.671,332.517,274.607,0,0,0,0 +units=m +no_defs`

EPSG 2009, NAD27(CGQ77) / SCoPQ zone 3

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: Geodetic Service of Quebec; Quebec Ministry of Natural Resources.

Revision: 30.06.2011

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-58.5 +k=0.9999 +x_0=304800 +y_0=0 +ellps=clrk66 +units=m +no_defs`

EPSG 2010, NAD27(CGQ77) / SCoPQ zone 4

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: Geodetic Service of Quebec; Quebec Ministry of Natural Resources.

Revision: 07.03.2000

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-61.5 +k=0.9999 +x_0=304800 +y_0=0 +ellps=clrk66 +units=m +no_defs`

EPSG 2011, NAD27(CGQ77) / SCoPQ zone 5

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: Geodetic Service of Quebec; Quebec Ministry of Natural Resources.

Revision: 07.03.2000

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-64.5 +k=0.9999 +x_0=304800 +y_0=0 +ellps=clrk66 +units=m +no_defs`

EPSG 2012, NAD27(CGQ77) / SCoPQ zone 6

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: Geodetic Service of Quebec; Quebec Ministry of Natural Resources.
Revision: 07.03.2000
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-67.5 +k=0.9999 +x_0=304800 +y_0=0 +ellps=clrk66 +units=m +no_defs`

EPSG 2013, NAD27(CGQ77) / SCoPQ zone 7

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Geodetic Service of Quebec; Quebec Ministry of Natural Resources.
Revision: 07.03.2000
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-70.5 +k=0.9999 +x_0=304800 +y_0=0 +ellps=clrk66 +units=m +no_defs`

EPSG 2014, NAD27(CGQ77) / SCoPQ zone 8

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Geodetic Service of Quebec; Quebec Ministry of Natural Resources.
Revision: 07.03.2000
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-73.5 +k=0.9999 +x_0=304800 +y_0=0 +ellps=clrk66 +units=m +no_defs`

EPSG 2015, NAD27(CGQ77) / SCoPQ zone 9

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Geodetic Service of Quebec; Quebec Ministry of Natural Resources.
Revision: 07.03.2000
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-76.5 +k=0.9999 +x_0=304800 +y_0=0 +ellps=clrk66 +units=m +no_defs`

EPSG 2016, NAD27(CGQ77) / SCoPQ zone 10

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Geodetic Service of Quebec; Quebec Ministry of Natural Resources.
Revision: 07.03.2000
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-79.5 +k=0.9999 +x_0=304800 +y_0=0 +ellps=clrk66 +units=m +no_defs`

EPSG 2017, NAD27(76) / MTM zone 8

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Surveys and Mapping Section; Ontario Ministry of Transportation.
Revision: 07.03.2000
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-73.5 +k=0.9999 +x_0=304800 +y_0=0 +ellps=clrk66 +units=m +no_defs`

EPSG 2018, NAD27(76) / MTM zone 9

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:
Source: Surveys and Mapping Section; Ontario Ministry of Transportation.
Revision: 07.03.2000
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-76.5 +k=0.9999 +x_0=304800 +y_0=0 +ellps=clrk66 +units=m +no_defs`

EPSG 2019, NAD27(76) / MTM zone 10

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Surveys and Mapping Section; Ontario Ministry of Transportation.
Revision: 07.03.2000
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-79.5 +k=0.9999 +x_0=304800 +y_0=0 +ellps=clrk66 +units=m +no_defs`

EPSG 2020, NAD27(76) / MTM zone 11

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Surveys and Mapping Section; Ontario Ministry of Transportation.
Revision: 07.03.2000
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-82.5 +k=0.9999 +x_0=304800 +y_0=0 +ellps=clrk66 +units=m +no_defs`

EPSG 2021, NAD27(76) / MTM zone 12

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Surveys and Mapping Section; Ontario Ministry of Transportation.
Revision: 07.03.2000
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-81 +k=0.9999 +x_0=304800 +y_0=0 +ellps=clrk66 +units=m +no_defs`

EPSG 2022, NAD27(76) / MTM zone 13

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Surveys and Mapping Section; Ontario Ministry of Transportation.
Revision: 07.03.2000
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-84 +k=0.9999 +x_0=304800 +y_0=0 +ellps=clrk66 +units=m +no_defs`

EPSG 2023, NAD27(76) / MTM zone 14

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Surveys and Mapping Section; Ontario Ministry of Transportation.
Revision: 07.03.2000
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-87 +k=0.9999 +x_0=304800 +y_0=0 +ellps=clrk66 +units=m +no_defs`

EPSG 2024, NAD27(76) / MTM zone 15

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Surveys and Mapping Section; Ontario Ministry of Transportation.
Revision: 07.03.2000
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-90 +k=0.9999 +x_0=304800 +y_0=0 +ellps=clrk66 +units=m +no_defs`

EPSG 2025, NAD27(76) / MTM zone 16

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Surveys and Mapping Section; Ontario Ministry of Transportation.
Revision: 07.03.2000
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-93 +k=0.9999 +x_0=304800 +y_0=0 +ellps=clrk66 +units=m +no_defs`

EPSG 2026, NAD27(76) / MTM zone 17

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Surveys and Mapping Section; Ontario Ministry of Transportation.
Revision: 07.03.2000
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-96 +k=0.9999 +x_0=304800 +y_0=0 +ellps=clrk66 +units=m +no_defs`

EPSG 2027, NAD27(76) / UTM zone 15N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces NAD27 / UTM zone 15N (code 26715).
Source:
Revision: 07.03.2000
Proj4 definition: `+proj=utm +zone=15 +ellps=clrk66 +units=m +no_defs`

EPSG 2028, NAD27(76) / UTM zone 16N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces NAD27 / UTM zone 16N (code 26716).
Source:
Revision: 07.03.2000
Proj4 definition: `+proj=utm +zone=16 +ellps=clrk66 +units=m +no_defs`

EPSG 2029, NAD27(76) / UTM zone 17N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces NAD27 / UTM zone 17N (code 26717).
Source:
Revision: 07.03.2000
Proj4 definition: `+proj=utm +zone=17 +ellps=clrk66 +units=m +no_defs`

EPSG 2030, NAD27(76) / UTM zone 18N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD27 / UTM zone 18N (code 26718).
Source:
Revision: 07.03.2000
Proj4 definition: +proj=utm +zone=18 +ellps=clrk66 +units=m +no_defs

EPSG 2031, NAD27(CGQ77) / UTM zone 17N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces NAD27 / UTM zone 17N (code 26717).
Source:
Revision: 07.03.2000
Proj4 definition: +proj=utm +zone=17 +ellps=clrk66 +units=m +no_defs

EPSG 2032, NAD27(CGQ77) / UTM zone 18N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces NAD27 / UTM zone 18N (code 26718).
Source:
Revision: 07.03.2000
Proj4 definition: +proj=utm +zone=18 +ellps=clrk66 +units=m +no_defs

EPSG 2033, NAD27(CGQ77) / UTM zone 19N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces NAD27 / UTM zone 19N (code 26719).
Source:
Revision: 07.03.2000
Proj4 definition: +proj=utm +zone=19 +ellps=clrk66 +units=m +no_defs

EPSG 2034, NAD27(CGQ77) / UTM zone 20N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces NAD27 / UTM zone 20N (code 26720).
Source:
Revision: 07.03.2000
Proj4 definition: +proj=utm +zone=20 +ellps=clrk66 +units=m +no_defs

EPSG 2035, NAD27(CGQ77) / UTM zone 21N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces NAD27 / UTM zone 21N (code 26721).
Source:
Revision: 07.03.2000
Proj4 definition: +proj=utm +zone=21 +ellps=clrk66 +units=m +no_defs

EPSG 2039, Israel / Israeli TM Grid

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces Israeli CS Grid (EPSG code 28193).
Source: Survey of Israel.
Revision: 22.06.2002
Proj4 +proj=tmerc +lat_0=31.73439361111111 +lon_0=35.20451694444445

definition: `+k=1.0000067 +x_0=219529.584 +y_0=626907.39 +ellps=GRS80 +towgs84=-48,55,52,0,0,0,0 +units=m +no_defs`

EPSG 2040, Locodjo 1965 / UTM zone 30N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaced by Abidjan 87 / UTM 30N (EPSG code 2041).
Source: IGN Paris
Revision: 07.03.2000
Proj4 definition: `+proj=utm +zone=30 +ellps=clrk80 +towgs84=-125,53,467,0,0,0,0 +units=m +no_defs`

EPSG 2041, Abidjan 1987 / UTM zone 30N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces Locodjo 65 / UTM 30N (EPSG code 2040).
Source: IGN Paris
Revision: 07.03.2000
Proj4 definition: `+proj=utm +zone=30 +ellps=clrk80 +towgs84=-124.76,53,466.79,0,0,0,0 +units=m +no_defs`

EPSG 2042, Locodjo 1965 / UTM zone 29N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaced by Abidjan 87 / UTM 29N (EPSG code 2043).
Source: IGN Paris
Revision: 07.03.2000
Proj4 definition: `+proj=utm +zone=29 +ellps=clrk80 +towgs84=-125,53,467,0,0,0,0 +units=m +no_defs`

EPSG 2043, Abidjan 1987 / UTM zone 29N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces Locodjo 65 / UTM 29N (EPSG code 2042).
Source: IGN Paris
Revision: 07.03.2000
Proj4 definition: `+proj=utm +zone=29 +ellps=clrk80 +towgs84=-124.76,53,466.79,0,0,0,0 +units=m +no_defs`

EPSG 2044, Hanoi 1972 / Gauss-Kruger zone 18

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces use of Indian 1960 / UTM zone 48 after 1988. Replaced by VN-2000 / UTM zone 48N (CRS code 3405).
Source:
Revision: 13.09.2006
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=105 +k=1 +x_0=18500000 +y_0=0 +ellps=krass +towgs84=-17.51,-108.32,-62.39,0,0,0,0 +units=m +no_defs`

EPSG 2045, Hanoi 1972 / Gauss-Kruger zone 19

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces use of Indian 1960 / UTM zone 49 after 1988. Replaced by VN-

2000 / UTM zone 48N (CRS code 3406).

Source:

Revision: 13.09.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=111 +k=1 +x_0=19500000 +y_0=0 +ellps=krass +towgs84=-17.51,-108.32,-62.39,0,0,0,0 +units=m +no_defs`

EPSG 2046, Hartebeesthoek94 / Lo15

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks:

Source: Directorate of Surveys and Mapping; http://w3sli.wcape.gov.za/surveys/mapping/wgs84.htm

Revision: 07.03.2000

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=111 +k=1 +x_0=19500000 +y_0=0 +ellps=krass +towgs84=-17.51,-108.32,-62.39,0,0,0,0 +units=m +no_defs`

EPSG 2047, Hartebeesthoek94 / Lo17

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks:

Source: Directorate of Surveys and Mapping; http://w3sli.wcape.gov.za/surveys/mapping/wgs84.htm

Revision: 07.03.2000

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=111 +k=1 +x_0=19500000 +y_0=0 +ellps=krass +towgs84=-17.51,-108.32,-62.39,0,0,0,0 +units=m +no_defs`

EPSG 2048, Hartebeesthoek94 / Lo19

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks:

Source: Directorate of Surveys and Mapping; http://w3sli.wcape.gov.za/surveys/mapping/wgs84.htm

Revision: 07.03.2000

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=111 +k=1 +x_0=19500000 +y_0=0 +ellps=krass +towgs84=-17.51,-108.32,-62.39,0,0,0,0 +units=m +no_defs`

EPSG 2049, Hartebeesthoek94 / Lo21

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks:

Source: Directorate of Surveys and Mapping; http://w3sli.wcape.gov.za/surveys/mapping/wgs84.htm

Revision: 07.03.2000

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=111 +k=1 +x_0=19500000 +y_0=0 +ellps=krass +towgs84=-17.51,-108.32,-62.39,0,0,0,0 +units=m +no_defs`

EPSG 2050, Hartebeesthoek94 / Lo23

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks:

Source: Directorate of Surveys and Mapping; http://w3sli.wcape.gov.za/surveys/mapping/wgs84.htm

Revision: 07.03.2000

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=111 +k=1 +x_0=19500000 +y_0=0
+ellps=krass +towgs84=-17.51,-108.32,-62.39,0,0,0,0 +units=m
+no_defs
```

EPSG 2051, Hartebeesthoek94 / Lo25

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks:

Source: Directorate of Surveys and Mapping; http://w3sli.wcape.gov.za/surveys/mapping/wgs84.htm

Revision: 07.03.2000

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=111 +k=1 +x_0=19500000 +y_0=0
+ellps=krass +towgs84=-17.51,-108.32,-62.39,0,0,0,0 +units=m
+no_defs
```

EPSG 2052, Hartebeesthoek94 / Lo27

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks:

Source: Directorate of Surveys and Mapping; http://w3sli.wcape.gov.za/surveys/mapping/wgs84.htm

Revision: 07.03.2000

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=111 +k=1 +x_0=19500000 +y_0=0
+ellps=krass +towgs84=-17.51,-108.32,-62.39,0,0,0,0 +units=m
+no_defs
```

EPSG 2053, Hartebeesthoek94 / Lo29

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks:

Source: Directorate of Surveys and Mapping; http://w3sli.wcape.gov.za/surveys/mapping/wgs84.htm

Revision: 07.03.2000

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=111 +k=1 +x_0=19500000 +y_0=0
+ellps=krass +towgs84=-17.51,-108.32,-62.39,0,0,0,0 +units=m
+no_defs
```

EPSG 2054, Hartebeesthoek94 / Lo31

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks:

Source: Directorate of Surveys and Mapping;

http://w3sli.wcape.gov.za/surveys/mapping/wgs84.htm

Revision: 07.03.2000

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=111 +k=1 +x_0=19500000 +y_0=0 +ellps=krass +towgs84=-17.51,-108.32,-62.39,0,0,0,0 +units=m +no_defs`

EPSG 2055, Hartebeesthoek94 / Lo33

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks:

Source: Directorate of Surveys and Mapping; http://w3sli.wcape.gov.za/surveys/mapping/wgs84.htm

Revision: 07.03.2000

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=111 +k=1 +x_0=19500000 +y_0=0 +ellps=krass +towgs84=-17.51,-108.32,-62.39,0,0,0,0 +units=m +no_defs`

EPSG 2056, CH1903+ / LV95

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks: Replaces CH1903/LV03 (code 21781).

Source:

Revision: 27.05.2005

Proj4 definition: `+proj=somerc +lat_0=46.95240555555556 +lon_0=7.439583333333333 +k_0=1 +x_0=2600000 +y_0=1200000 +ellps=bessel +towgs84=674.374,15.056,405.346,0,0,0,0 +units=m +no_defs`

EPSG 2057, Rassadiran / Nakhl e Taqi

Scope: Engineering survey for terminal site only.

Remarks:

Source: Total-Fina

Revision: 07.03.2000

Proj4 definition: `+proj=omerc +lat_0=27.51882880555555 +lonc=52.60353916666667 +alpha=0.5716611944444444 +k=0.999895934 +x_0=658377.437 +y_0=3044969.194 +ellps=intl +towgs84=-133.63,-157.5,-158.62,0,0,0,0 +units=m +no_defs`

EPSG 2058, ED50(ED77) / UTM zone 38N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 07.03.2000

Proj4 definition: `+proj=utm +zone=38 +ellps=intl +units=m +no_defs`

EPSG 2059, ED50(ED77) / UTM zone 39N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 07.03.2000

Proj4 definition: +proj=utm +zone=39 +ellps=intl +units=m +no_defs

EPSG 2060, ED50(ED77) / UTM zone 40N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 07.03.2000
Proj4 definition: +proj=utm +zone=40 +ellps=intl +units=m +no_defs

EPSG 2061, ED50(ED77) / UTM zone 41N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 07.03.2000
Proj4 definition: +proj=utm +zone=41 +ellps=intl +units=m +no_defs

EPSG 2062, Madrid 1870 (Madrid) / Spain

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaced by ED50 / UTM after 1966.
Source:
Revision: 07.03.2000
Proj4 definition: +proj=lcc +lat_1=40 +lat_0=40 +lon_0=0 +k_0=0.9988085293 +x_0=600000 +y_0=600000 +a=6378298.3 +b=6356657.142669561 +pm=madrid +units=m +no_defs

EPSG 2065, S-JTSK (Ferro) / Krovak

Scope: Large and medium scale topographic mapping, cadastral and engineering survey. Due to distortions in survey network introduced after initial realisation the projection has an inaccuracy of several decimetres.
Remarks: See projCRS code 5221 for north-orientated alternative introduced for GIS purposes. In Czech Republic technically improved in 2009 by S-JTSK/05 (Ferro) / Modified Krovak (CRS code 5224) but this CRS (2065) remains the legal system. See also CRS 5513.
Source: Research Institute for Geodesy Topography and Cartography (VUGTK); Prague.
Revision: 09.05.2011
Proj4 definition: +proj=krovak +lat_0=49.5 +lon_0=42.5 +alpha=30.28813972222222 +k=0.9999 +x_0=0 +y_0=0 +ellps=bessel +pm=ferro +units=m +no_defs

EPSG 2066, Mount Dillon / Tobago Grid

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 07.03.2000
Proj4 definition: +proj=cass +lat_0=11.25217861111111 +lon_0=-60.68600888888889 +x_0=37718.66159325 +y_0=36209.91512952 +a=6378293.645208759 +b=6356617.987679838 +to_meter=0.201166195164 +no_defs

EPSG 2067, Naparima 1955 / UTM zone 20N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 07.03.2000
Proj4 definition: `+proj=utm +zone=20 +ellps=intl +units=m +no_defs`

EPSG 2068, ELD79 / Libya zone 5

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Brown and Root
Revision: 07.03.2000
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=9 +k=0.9999 +x_0=200000 +y_0=0 +ellps=intl +units=m +no_defs`

EPSG 2069, ELD79 / Libya zone 6

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Brown and Root
Revision: 07.03.2000
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=11 +k=0.9999 +x_0=200000 +y_0=0 +ellps=intl +units=m +no_defs`

EPSG 2070, ELD79 / Libya zone 7

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Brown and Root
Revision: 07.03.2000
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=13 +k=0.9999 +x_0=200000 +y_0=0 +ellps=intl +units=m +no_defs`

EPSG 2071, ELD79 / Libya zone 8

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Brown and Root
Revision: 07.03.2000
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=15 +k=0.9999 +x_0=200000 +y_0=0 +ellps=intl +units=m +no_defs`

EPSG 2072, ELD79 / Libya zone 9

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Brown and Root
Revision: 07.03.2000
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=17 +k=0.9999 +x_0=200000 +y_0=0 +ellps=intl +units=m +no_defs`

EPSG 2073, ELD79 / Libya zone 10

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Brown and Root
Revision: 07.03.2000
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=19 +k=0.9999 +x_0=200000 +y_0=0 +ellps=intl +units=m +no_defs`

EPSG 2074, ELD79 / Libya zone 11

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Brown and Root
Revision: 07.03.2000
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=21 +k=0.9999 +x_0=200000 +y_0=0 +ellps=intl +units=m +no_defs`

EPSG 2075, ELD79 / Libya zone 12

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Brown and Root
Revision: 07.03.2000
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=23 +k=0.9999 +x_0=200000 +y_0=0 +ellps=intl +units=m +no_defs`

EPSG 2076, ELD79 / Libya zone 13

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Brown and Root
Revision: 07.03.2000
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=25 +k=0.9999 +x_0=200000 +y_0=0 +ellps=intl +units=m +no_defs`

EPSG 2077, ELD79 / UTM zone 32N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Brown and Root
Revision: 07.03.2000
Proj4 definition: `+proj=utm +zone=32 +ellps=intl +units=m +no_defs`

EPSG 2078, ELD79 / UTM zone 33N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Brown and Root
Revision: 07.03.2000
Proj4 definition: `+proj=utm +zone=33 +ellps=intl +units=m +no_defs`

EPSG 2079, ELD79 / UTM zone 34N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Brown and Root
Revision: 07.03.2000
Proj4 definition: `+proj=utm +zone=34 +ellps=intl +units=m +no_defs`

EPSG 2080, ELD79 / UTM zone 35N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Brown and Root
Revision: 07.03.2000
Proj4 definition: `+proj=utm +zone=35 +ellps=intl +units=m +no_defs`

EPSG 2081, Chos Malal 1914 / Argentina 2

Scope: Oil exploration.
Remarks:
Source: Various oil industry records
Revision: 31.03.2010
Proj4 definition: `+proj=tmerc +lat_0=-90 +lon_0=-69 +k=1 +x_0=2500000 +y_0=0 +ellps=intl +units=m +no_defs`

EPSG 2082, Pampa del Castillo / Argentina 2

Scope: Oil exploration.
Remarks:
Source: Various oil industry records
Revision: 31.03.2010
Proj4 definition: `+proj=tmerc +lat_0=-90 +lon_0=-69 +k=1 +x_0=2500000 +y_0=0 +ellps=intl +towgs84=27.5,14,186.4,0,0,0,0 +units=m +no_defs`

EPSG 2083, Hito XVIII 1963 / Argentina 2

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Total-Fina
Revision: 31.03.2010
Proj4 definition: `+proj=tmerc +lat_0=-90 +lon_0=-69 +k=1 +x_0=2500000 +y_0=0 +ellps=intl +units=m +no_defs`

EPSG 2084, Hito XVIII 1963 / UTM zone 19S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Total-Fina
Revision: 02.11.2010
Proj4 definition: `+proj=utm +zone=19 +south +ellps=intl +units=m +no_defs`

EPSG 2087, ELD79 / TM 12 NE

Scope: Oil exploration.

Remarks:
Source: Total-Fina
Revision: 07.03.2000
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=12 +k=0.9996 +x_0=500000 +y_0=0 +ellps=intl +units=m +no_defs`

EPSG 2088, Carthage / TM 11 NE

Scope: Oil exploration by Total.
Remarks:
Source: Total-Fina
Revision: 07.03.2000
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=11 +k=0.9996 +x_0=500000 +y_0=0 +a=6378249.2 +b=6356515 +units=m +no_defs`

EPSG 2089, Yemen NGN96 / UTM zone 38N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: IGN Paris
Revision: 07.03.2000
Proj4 definition: `+proj=utm +zone=38 +ellps=WGS84 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 2090, Yemen NGN96 / UTM zone 39N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: IGN Paris
Revision: 07.03.2000
Proj4 definition: `+proj=utm +zone=39 +ellps=WGS84 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 2093, Hanoi 1972 / GK 106 NE

Scope: Used for cadastral and large scale topographic mapping.
Remarks:
Source: BP Amoco
Revision: 07.03.2000
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=106 +k=1 +x_0=500000 +y_0=0 +ellps=krass +towgs84=-17.51,-108.32,-62.39,0,0,0,0 +units=m +no_defs`

EPSG 2094, WGS 72BE / TM 106 NE

Scope: Oil exploration by Total for blocks 10 and 11-1.
Remarks:
Source: Total-Fina
Revision: 07.03.2000
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=106 +k=0.9996 +x_0=500000 +y_0=0 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 2095, Bissau / UTM zone 28N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: US National Imagery and Mapping Agency TR8350.2.

Revision: 07.03.2000

Proj4 definition:
```
+proj=utm +zone=28 +ellps=intl +towgs84=-173,253,27,0,0,0,0
+units=m +no_defs
```

EPSG 2096, Korean 1985 / East Belt

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces Tokyo 1892 / Korea East Belt (CRS code 5171). Although it was intended that the grids were for most practical purposes coincident, a 10.405" (250m) longitude offset was introduced. Replaced by Korean 1985 / Modified East Belt (CRS code 5176).

Source: National Geographic Information Institute (NGII).

Revision: 30.06.2010

Proj4 definition:
```
+proj=tmerc +lat_0=38 +lon_0=129 +k=1 +x_0=200000 +y_0=500000
+ellps=bessel +units=m +no_defs
```

EPSG 2097, Korean 1985 / Central Belt

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces Tokyo 1892 / Korea Central Belt (CRS code 5170). Although it was intended that the grids were for most practical purposes coincident, a 10.405" (250m) longitude offset was introduced. Replaced by Korean 1985 / Modified Central Belt (code 5174).

Source: National Geographic Information Centre (NGII).

Revision: 30.06.2010

Proj4 definition:
```
+proj=tmerc +lat_0=38 +lon_0=127 +k=1 +x_0=200000 +y_0=500000
+ellps=bessel +units=m +no_defs
```

EPSG 2098, Korean 1985 / West Belt

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces Tokyo 1892 / Korea West Belt (CRS code 5169). Although it was intended that the grids were for most practical purposes coincident, a 10.405" (250m) longitude offset was introduced. Replaced by Korean 1985 / Modified West Belt (CRS code 5173).

Source: National Geographic Information Institute (NGII).

Revision: 30.06.2010

Proj4 definition:
```
+proj=tmerc +lat_0=38 +lon_0=125 +k=1 +x_0=200000 +y_0=500000
+ellps=bessel +units=m +no_defs
```

EPSG 2099, Qatar 1948 / Qatar Grid

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Also known as Qatar Plane Coordinate or QPC system. Replaced by Qatar National Grid (code 28600).

Source:

Revision: 07.03.2000

Proj4
```
+proj=cass +lat_0=25.38236111111111 +lon_0=50.76138888888889
+x_0=100000 +y_0=100000 +ellps=helmert +units=m +no_defs
```

definition:

EPSG 2100, GGRS87 / Greek Grid

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Oil industry uses ED50 / UTM zone 34N and ED50 / UTM zone 35N.

Source: Geodesy Department; Public Petroleum Corporation of Greece.

Revision: 20.07.2011

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=24 +k=0.9996 +x_0=500000 +y_0=0
+ellps=GRS80 +towgs84=-199.87,74.79,246.62,0,0,0,0 +units=m
+no_defs
```

EPSG 2101, Lake / Maracaibo Grid M1

Scope: Oil exploration.

Remarks: Grid coordinates are (0 0) at Maracaibo Cathedral (10°38'34.678"N, 71°36'20.224"W; Lake datum). Used by Creole; MGO and Sun.

Source: Various oil company sources.

Revision: 23.06.2008

Proj4 definition:
```
+proj=lcc +lat_1=10.16666666666667 +lat_0=10.16666666666667
+lon_0=-71.60561777777777 +k_0=1 +x_0=0 +y_0=-52684.972 +ellps=intl
+units=m +no_defs
```

EPSG 2102, Lake / Maracaibo Grid

Scope: Oil exploration.

Remarks: Grid coordinates are (200000 200000) at Maracaibo Cathedral (10°38'34.678"N, 71°36'20.224"W; Lake datum). Used for Lake triangulation coordinate listing.

Source: Various oil company sources.

Revision: 23.06.2008

Proj4 definition:
```
+proj=lcc +lat_1=10.16666666666667 +lat_0=10.16666666666667
+lon_0=-71.60561777777777 +k_0=1 +x_0=200000 +y_0=147315.028
+ellps=intl +units=m +no_defs
```

EPSG 2103, Lake / Maracaibo Grid M3

Scope: Oil exploration.

Remarks: Grid coordinates are (500000 500000) at Maracaibo Cathedral (10°38'34.678"N, 71°36'20.224"W; Lake datum). Used by Varco.

Source: Various oil company sources.

Revision: 23.06.2008

Proj4 definition:
```
+proj=lcc +lat_1=10.16666666666667 +lat_0=10.16666666666667
+lon_0=-71.60561777777777 +k_0=1 +x_0=500000 +y_0=447315.028
+ellps=intl +units=m +no_defs
```

EPSG 2104, Lake / Maracaibo La Rosa Grid

Scope: Oil exploration.

Remarks: Grid coordinates are (X=-17044 Y=29545) at Maracaibo Cathedral (10°38'34.678"N, 71°36'20.224"W; Lake datum). Do not confuse with the La Rosa grid used in the Cabinas area (code 5810).

Source: Various oil company sources.

Revision: 23.06.2008

Proj4 definition: `+proj=lcc +lat_1=10.16666666666667 +lat_0=10.16666666666667 +lon_0=-71.60561777777777 +k_0=1 +x_0=-17044 +y_0=-23139.97 +ellps=intl +units=m +no_defs`

EPSG 2105, NZGD2000 / Mount Eden 2000

Scope: Cadastral surveys.

Remarks: Replaced NZGD49 / Mount Eden Circuit (code 27205) from March 2000.

Source: Land Information New Zealand: LINZS25002 Standard for New Zealand Geodetic Datum 2000 Projections; 16 November 2007.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-36.87972222222222 +lon_0=174.7641666666667 +k=0.9999 +x_0=400000 +y_0=800000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 2106, NZGD2000 / Bay of Plenty 2000

Scope: Cadastral surveys.

Remarks: Replaced NZGD49 / Bay of Plenty Circuit (code 27206) from March 2000.

Source: Land Information New Zealand: LINZS25002 Standard for New Zealand Geodetic Datum 2000 Projections; 16 November 2007.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-37.76111111111111 +lon_0=176.4661111111111 +k=1 +x_0=400000 +y_0=800000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 2107, NZGD2000 / Poverty Bay 2000

Scope: Cadastral surveys.

Remarks: Replaced NZGD49 / Poverty Bay Circuit (code 27207) from March 2000.

Source: Land Information New Zealand: LINZS25002 Standard for New Zealand Geodetic Datum 2000 Projections; 16 November 2007.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-38.62444444444444 +lon_0=177.8855555555556 +k=1 +x_0=400000 +y_0=800000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 2108, NZGD2000 / Hawkes Bay 2000

Scope: Cadastral surveys.

Remarks: Replaced NZGD49 / Hawkes Bay Circuit (code 27208) from March 2000.

Source: Land Information New Zealand: LINZS25002 Standard for New Zealand Geodetic Datum 2000 Projections; 16 November 2007.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-39.65083333333333 +lon_0=176.6736111111111 +k=1 +x_0=400000 +y_0=800000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 2109, NZGD2000 / Taranaki 2000

Scope: Cadastral surveys.

Remarks: Replaced NZGD49 / Taranaki Circuit (code 27209) from March 2000.

Source: Land Information New Zealand: LINZS25002 Standard for New Zealand Geodetic Datum 2000 Projections; 16 November 2007.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-39.13555555555556 +lon_0=174.2277777777778 +k=1 +x_0=400000 +y_0=800000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 2110, NZGD2000 / Tuhirangi 2000

Scope: Cadastral surveys.

Remarks: Replaced NZGD49 / Tuhirangi Circuit (code 27210) from March 2000.

Source: Land Information New Zealand: LINZS25002 Standard for New Zealand Geodetic Datum 2000 Projections; 16 November 2007.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-39.51222222222222 +lon_0=175.64 +k=1 +x_0=400000 +y_0=800000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 2111, NZGD2000 / Wanganui 2000

Scope: Cadastral surveys.

Remarks: Replaced NZGD49 / Wanganui Circuit (code 27211) from March 2000.

Source: Land Information New Zealand: LINZS25002 Standard for New Zealand Geodetic Datum 2000 Projections; 16 November 2007.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-40.24194444444444 +lon_0=175.4880555555555 +k=1 +x_0=400000 +y_0=800000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 2112, NZGD2000 / Wairarapa 2000

Scope: Cadastral surveys.

Remarks: Replaced NZGD49 / Wairarapa Circuit (code 27212) from March 2000.

Source: Land Information New Zealand: LINZS25002 Standard for New Zealand Geodetic Datum 2000 Projections; 16 November 2007.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-40.92527777777777 +lon_0=175.6472222222222 +k=1 +x_0=400000 +y_0=800000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 2113, NZGD2000 / Wellington 2000

Scope: Cadastral surveys.

Remarks: Replaced NZGD49 / Wellington Circuit (code 27213) from March 2000.

Source: Land Information New Zealand: LINZS25002 Standard for New Zealand Geodetic Datum 2000 Projections; 16 November 2007.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-41.3011111111111 +lon_0=174.7763888888889 +k=1 +x_0=400000 +y_0=800000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 2114, NZGD2000 / Collingwood 2000

Scope: Cadastral surveys.

Remarks: Replaced NZGD49 / Collingwood Circuit (code 27214) from March 2000.

Source: Land Information New Zealand: LINZS25002 Standard for New Zealand Geodetic Datum 2000 Projections; 16 November 2007.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-40.71472222222223 +lon_0=172.6719444444444 +k=1 +x_0=400000 +y_0=800000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 2115, NZGD2000 / Nelson 2000

Scope: Cadastral surveys.

Remarks: Replaced NZGD49 / Nelson Circuit (code 27215) from March 2000.

Source: Land Information New Zealand: LINZS25002 Standard for New Zealand Geodetic Datum 2000 Projections; 16 November 2007.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-41.27444444444444 +lon_0=173.2991666666667 +k=1 +x_0=400000 +y_0=800000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 2116, NZGD2000 / Karamea 2000

Scope: Cadastral surveys.

Remarks: Replaced NZGD49 / Karamea Circuit (code 27216) from March 2000.

Source: Land Information New Zealand: LINZS25002 Standard for New Zealand Geodetic Datum 2000 Projections; 16 November 2007.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-41.28972222222222 +lon_0=172.1088888888889 +k=1 +x_0=400000 +y_0=800000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 2117, NZGD2000 / Buller 2000

Scope: Cadastral surveys.

Remarks: Replaced NZGD49 / Buller Circuit (code 27217) from March 2000.

Source: Land Information New Zealand: LINZS25002 Standard for New Zealand Geodetic Datum 2000 Projections; 16 November 2007.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-41.81055555555555 +lon_0=171.5811111111111 +k=1 +x_0=400000 +y_0=800000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 2118, NZGD2000 / Grey 2000

Scope: Cadastral surveys.

Remarks: Replaced NZGD49 / Grey Circuit (code 27218) from March 2000.

Source: Land Information New Zealand: LINZS25002 Standard for New Zealand Geodetic Datum 2000 Projections; 16 November 2007.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-42.33361111111111 +lon_0=171.5497222222222 +k=1 +x_0=400000 +y_0=800000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 2119, NZGD2000 / Amuri 2000

Scope: Cadastral surveys.

Remarks: Replaced NZGD49 / Amuri Circuit (code 27219) from March 2000.

Source: Land Information New Zealand: LINZS25002 Standard for New Zealand Geodetic Datum 2000 Projections; 16 November 2007.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-42.68888888888888 +lon_0=173.01 +k=1 +x_0=400000 +y_0=800000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 2120, NZGD2000 / Marlborough 2000

Scope: Cadastral surveys.

Remarks: Replaced NZGD49 / Marlborough Circuit (code 27220) from March 2000.

Source: Land Information New Zealand: LINZS25002 Standard for New Zealand Geodetic Datum 2000 Projections; 16 November 2007.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-41.54444444444444 +lon_0=173.8019444444444 +k=1 +x_0=400000 +y_0=800000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 2121, NZGD2000 / Hokitika 2000

Scope: Cadastral surveys.

Remarks: Replaced NZGD49 / Hokitika Circuit (code 27221) from March 2000.

Source: Land Information New Zealand: LINZS25002 Standard for New Zealand Geodetic Datum 2000 Projections; 16 November 2007.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-42.88611111111111 +lon_0=170.9797222222222 +k=1 +x_0=400000 +y_0=800000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 2122, NZGD2000 / Okarito 2000

Scope: Cadastral surveys.

Remarks: Replaced NZGD49 / Okarito Circuit (code 27222) from March 2000.

Source: Land Information New Zealand: LINZS25002 Standard for New Zealand Geodetic Datum 2000 Projections; 16 November 2007.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-43.11 +lon_0=170.2608333333333 +k=1 +x_0=400000 +y_0=800000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 2123, NZGD2000 / Jacksons Bay 2000

Scope: Cadastral surveys.

Remarks: Replaced NZGD49 / Jacksons Bay Circuit (code 27223) from March 2000.

Source: Land Information New Zealand: LINZS25002 Standard for New Zealand Geodetic Datum 2000 Projections; 16 November 2007.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-43.97777777777778 +lon_0=168.6061111111111 +k=1 +x_0=400000 +y_0=800000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 2124, NZGD2000 / Mount Pleasant 2000

Scope: Cadastral surveys.

Remarks: Replaced NZGD49 / Mount Pleasant Circuit (code 27224) from March 2000.

Source: Land Information New Zealand: LINZS25002 Standard for New Zealand Geodetic Datum 2000 Projections; 16 November 2007.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-43.59055555555556 +lon_0=172.7269444444445 +k=1 +x_0=400000 +y_0=800000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 2125, NZGD2000 / Gawler 2000

Scope: Cadastral surveys.

Remarks: Replaced NZGD49 / Gawler Circuit (code 27225) from March 2000.

Source: Land Information New Zealand: LINZS25002 Standard for New Zealand Geodetic Datum 2000 Projections; 16 November 2007.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-43.74861111111111 +lon_0=171.3605555555555 +k=1 +x_0=400000 +y_0=800000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 2126, NZGD2000 / Timaru 2000

Scope: Cadastral surveys.

Remarks: Replaced NZGD49 / Timaru Circuit (code 27226) from March 2000.

Source: Land Information New Zealand: LINZS25002 Standard for New Zealand Geodetic Datum 2000 Projections; 16 November 2007.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-44.40194444444445 +lon_0=171.0572222222222 +k=1 +x_0=400000 +y_0=800000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 2127, NZGD2000 / Lindis Peak 2000

Scope: Cadastral surveys.

Remarks: Replaced NZGD49 / Lindis Peak Circuit (code 27227) from March 2000.

Source: Land Information New Zealand: LINZS25002 Standard for New Zealand Geodetic Datum 2000 Projections; 16 November 2007.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-44.735 +lon_0=169.4675 +k=1 +x_0=400000 +y_0=800000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 2128, NZGD2000 / Mount Nicholas 2000

Scope: Cadastral surveys.

Remarks: Replaced NZGD49 / Mount Nicholas Circuit (code 27228) from March 2000.

Source: Land Information New Zealand: LINZS25002 Standard for New Zealand Geodetic Datum 2000 Projections; 16 November 2007.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-45.13277777777778 +lon_0=168.3986111111111 +k=1 +x_0=400000 +y_0=800000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 2129, NZGD2000 / Mount York 2000

Scope: Cadastral surveys.

Remarks: Replaced NZGD49 / Mount York Circuit (code 27229) from March 2000.

Source: Land Information New Zealand: LINZS25002 Standard for New Zealand Geodetic Datum 2000 Projections; 16 November 2007.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-45.56361111111111 +lon_0=167.7386111111111 +k=1 +x_0=400000 +y_0=800000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 2130, NZGD2000 / Observation Point 2000

Scope: Cadastral surveys.

Remarks: Replaced NZGD49 / Observation Point Circuit (code 27230) from March 2000.

Source: Land Information New Zealand: LINZS25002 Standard for New Zealand Geodetic Datum 2000 Projections; 16 November 2007.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-45.81611111111111 +lon_0=170.6283333333333 +k=1 +x_0=400000 +y_0=800000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 2131, NZGD2000 / North Taieri 2000

Scope: Cadastral surveys.

Remarks: Replaced NZGD49 / North Taieri Circuit (code 27231) from March 2000.

Source: Land Information New Zealand: LINZS25002 Standard for New Zealand Geodetic Datum 2000 Projections; 16 November 2007.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-45.86138888888889 +lon_0=170.2825 +k=0.99996 +x_0=400000 +y_0=800000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 2132, NZGD2000 / Bluff 2000

Scope: Cadastral surveys.

Remarks: Replaced NZGD49 / Bluff Circuit (code 27232) from March 2000.

Source: Land Information New Zealand: LINZS25002 Standard for New Zealand Geodetic Datum 2000 Projections; 16 November 2007.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-46.6 +lon_0=168.3427777777778 +k=1 +x_0=400000 +y_0=800000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 2133, NZGD2000 / UTM zone 58S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NZGD49 / UTM zone 58S (code 27258) from March 2000.

Source:

Revision: 19.10.2000

Proj4 definition: `+proj=utm +zone=58 +south +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 2134, NZGD2000 / UTM zone 59S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NZGD49 / UTM zone 59S (code 27259) from March 2000.

Source:

Revision: 19.10.2000

Proj4 definition: `+proj=utm +zone=59 +south +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 2135, NZGD2000 / UTM zone 60S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NZGD49 / UTM zone 60S (code 27260) from March 2000.

Source:

Revision: 19.10.2000

Proj4 definition: `+proj=utm +zone=60 +south +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 2136, Accra / Ghana National Grid

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Ellipsoid semi-major axis (a)=20926201 Gold Coast feet. ProjCRS sometimes found in metric form: 1 Gold Coast foot = 0.3047997101815 m. Replaced by Leigon / Ghana Metric Grid from 1978.

Source: Ordnance Survey International

Revision: 19.10.2000

Proj4 definition: `+proj=tmerc +lat_0=4.666666666666667 +lon_0=-1 +k=0.99975 +x_0=274319.7391633579 +y_0=0 +a=6378300 +b=6356751.689189189 +towgs84=-199,32,322,0,0,0,0 +to_meter=0.3047997101815088 +no_defs`

EPSG 2137, Accra / TM 1 NW

Scope: Oil exploration.

Remarks:

Source: Various oil industry sources

Revision: 19.10.2000

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-1 +k=0.9996 +x_0=500000 +y_0=0 +a=6378300 +b=6356751.689189189 +towgs84=-199,32,322,0,0,0,0 +units=m +no_defs`

EPSG 2138, NAD27(CGQ77) / Quebec Lambert

Scope: Medium and small scale mapping.

Remarks: Replaced NAD27 / Quebec Lambert (code 32098) in 1977.

Source: Service de la Cartographie; Ministère des Ressources Naturelles; Quebec

Revision: 19.10.2000

Proj4 definition: `+proj=lcc +lat_1=60 +lat_2=46 +lat_0=44 +lon_0=-68.5 +x_0=0 +y_0=0 +ellps=clrk66 +units=m +no_defs`

EPSG 2154, RGF93 / Lambert-93

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: IGN - Paris

Revision: 22.04.2008

Proj4 definition: `+proj=lcc +lat_1=49 +lat_2=44 +lat_0=46.5 +lon_0=3 +x_0=700000 +y_0=6600000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 2157, IRENET95 / Irish Transverse Mercator

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces TM75 / Irish Grid (code 29903) from 1/1/2001.

Source: Ordnance Survey of Ireland

Revision: 07.04.2004

Proj4 definition:
```
+proj=tmerc +lat_0=53.5 +lon_0=-8 +k=0.99982 +x_0=600000
+y_0=750000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 2158, IRENET95 / UTM zone 29N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: Ordnance Survey of Ireland

Revision: 25.01.2011

Proj4 definition:
```
+proj=utm +zone=29 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m
+no_defs
```

EPSG 2159, Sierra Leone 1924 / New Colony Grid

Scope: Topographic mapping and engineering survey.

Remarks: Replaces the Sierra Leone 1924 / Colony Grid. New grid is 422.3 ft west and 112.1 ft south of old grid. Ellipsoid semi-major axis (a)=20926201 Gold Coast feet; 1 Gold Coast foot = 0.3047997101815 m.

Source: Ordnance Survey International

Revision: 05.06.2001

Proj4 definition:
```
+proj=tmerc +lat_0=6.666666666666667 +lon_0=-12 +k=1
+x_0=152399.8550907544 +y_0=0 +a=6378300 +b=6356751.689189189
+to_meter=0.3047997101815088 +no_defs
```

EPSG 2160, Sierra Leone 1924 / New War Office Grid

Scope: Topographic mapping

Remarks: Replaces the Sierra Leone War Office Grid. New grid is 422.3 ft west and 112.1 ft south of old grid. Ellipsoid semi-major axis (a)=20926201 Gold Coast feet; 1 Gold Coast foot = 0.3047997101815 m.

Source: Ordnance Survey International

Revision: 05.06.2001

Proj4 definition:
```
+proj=tmerc +lat_0=6.666666666666667 +lon_0=-12 +k=1
+x_0=243839.7681452071 +y_0=182879.8261089053 +a=6378300
+b=6356751.689189189 +to_meter=0.3047997101815088 +no_defs
```

EPSG 2161, Sierra Leone 1968 / UTM zone 28N

Scope: Topographic mapping and engineering survey.

Remarks: Replaces Sierra Leone 1960 / UTM zone 28N. The 1968 readjustment coordinates are within 3m of the 1960 provisional adjustment.

Source: Ordnance Survey International

Revision: 05.06.2001

Proj4 definition:
```
+proj=utm +zone=28 +ellps=clrk80 +towgs84=-88,4,101,0,0,0,0
+units=m +no_defs
```

EPSG 2162, Sierra Leone 1968 / UTM zone 29N

Scope: Topographic mapping and engineering survey.

Remarks: Replaces Sierra Leone 1960 / UTM zone 29N. The 1968 readjustment

coordinates are within 3m of the 1960 provisional adjustment.

Source: Ordnance Survey International

Revision: 05.06.2001

Proj4 definition: `+proj=utm +zone=29 +ellps=clrk80 +towgs84=-88,4,101,0,0,0,0 +units=m +no_defs`

EPSG 2163, US National Atlas Equal Area

Scope: For small scale (1:1million and smaller) statistical mapping.

Remarks: Uses spherical projection formulae. USGS documentation describes sphere as derived from GRS80/WGS84 ellipsoid but that actually used is Clarke 1866. For 1:1million and smaller scale maps there is no significant difference.

Source: United States Geological Survey, Western Geographic Science Center

Revision: 10.02.2009

Proj4 definition: `+proj=laea +lat_0=45 +lon_0=-100 +x_0=0 +y_0=0 +a=6370997 +b=6370997 +units=m +no_defs`

EPSG 2164, Locodjo 1965 / TM 5 NW

Scope: Oil industry use.

Remarks:

Source: Various oil industry sources

Revision: 05.06.2001

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-5 +k=0.9996 +x_0=500000 +y_0=0 +ellps=clrk80 +towgs84=-125,53,467,0,0,0,0 +units=m +no_defs`

EPSG 2165, Abidjan 1987 / TM 5 NW

Scope: Oil Industry

Remarks:

Source: Various oil industry sources

Revision: 05.06.2001

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-5 +k=0.9996 +x_0=500000 +y_0=0 +ellps=clrk80 +towgs84=-124.76,53,466.79,0,0,0,0 +units=m +no_defs`

EPSG 2169, Luxembourg 1930 / Gauss

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: Administration du Cadastre et de la Topographie via EuroGeographics; http://crs.bkg.bund.de/crs-eu/

Revision: 27.05.2005

Proj4 definition: `+proj=tmerc +lat_0=49.83333333333334 +lon_0=6.166666666666667 +k=1 +x_0=80000 +y_0=100000 +ellps=intl +towgs84=-193,13.7,-39.3,-0.41,-2.933,2.688,0.43 +units=m +no_defs`

EPSG 2172, Pulkovo 1942(58) / Poland zone II

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: To be phased out after 2009. Replaced by ETRS89 / Poland CS2000 zones 7 and 8 (codes 2178-79).

Source: Glowny Urzad Geodezji i Kartografii via EuroGeographics;

http://crs.bkg.bund.de/crs-eu/

Revision: 27.05.2005

Proj4 definition: `+proj=sterea +lat_0=53.00194444444445 +lon_0=21.50277777777778 +k=0.9998 +x_0=4603000 +y_0=5806000 +ellps=krass +towgs84=33.4,-146.6,-76.3,-0.359,-0.053,0.844,-0.84 +units=m +no_defs`

EPSG 2173, Pulkovo 1942(58) / Poland zone III

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: To be phased out after 2009. Replaced by ETRS89 / Poland CS2000 zones 5 and 6 (codes 2176-77).

Source: Glowny Urzad Geodezji i Kartografii via EuroGeographics; http://crs.bkg.bund.de/crs-eu/

Revision: 27.05.2005

Proj4 definition: `+proj=sterea +lat_0=53.58333333333334 +lon_0=17.00833333333333 +k=0.9998 +x_0=3501000 +y_0=5999000 +ellps=krass +towgs84=33.4,-146.6,-76.3,-0.359,-0.053,0.844,-0.84 +units=m +no_defs`

EPSG 2174, Pulkovo 1942(58) / Poland zone IV

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: To be phased out after 2009. Replaced by ETRS89 / Poland CS2000 zones 5 and 6 (codes 2176-77).

Source: Glowny Urzad Geodezji i Kartografii via EuroGeographics; http://crs.bkg.bund.de/crs-eu/

Revision: 27.05.2005

Proj4 definition: `+proj=sterea +lat_0=51.67083333333333 +lon_0=16.67222222222222 +k=0.9998 +x_0=3703000 +y_0=5627000 +ellps=krass +towgs84=33.4,-146.6,-76.3,-0.359,-0.053,0.844,-0.84 +units=m +no_defs`

EPSG 2175, Pulkovo 1942(58) / Poland zone V

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: To be phased out after 2009. Replaced by ETRS89 / Poland CS2000 zone 6 (code 2177).

Source: Glowny Urzad Geodezji i Kartografii via EuroGeographics; http://crs.bkg.bund.de/crs-eu/

Revision: 27.05.2005

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=18.95833333333333 +k=0.999983 +x_0=237000 +y_0=-4700000 +ellps=krass +towgs84=33.4,-146.6,-76.3,-0.359,-0.053,0.844,-0.84 +units=m +no_defs`

EPSG 2176, ETRS89 / Poland CS2000 zone 5

Scope: Large (1:5,000 and greater) scale topographic mapping and cadastral survey.

Remarks: See ETRS89 / Poland CS92 (code 2170) for smaller scale mapping.

Source: Glowny Urzad Geodezji i Kartografii via EuroGeographics; http://crs.bkg.bund.de/crs-eu/

Revision: 02.02.2007

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=15 +k=0.999923 +x_0=5500000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2177, ETRS89 / Poland CS2000 zone 6

Scope: Large (1:5,000 and greater) scale topographic mapping and cadastral survey.

Remarks: See ETRS89 / Poland CS92 (code 2170) for smaller scale mapping.

Source: Glowny Urzad Geodezji i Kartografii via EuroGeographics; http://crs.bkg.bund.de/crs-eu/

Revision: 02.02.2007

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=18 +k=0.999923 +x_0=6500000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2178, ETRS89 / Poland CS2000 zone 7

Scope: Large (1:5,000 and greater) scale topographic mapping and cadastral survey.

Remarks: See ETRS89 / Poland CS92 (code 2170) for smaller scale mapping.

Source: Glowny Urzad Geodezji i Kartografii via EuroGeographics; http://crs.bkg.bund.de/crs-eu/

Revision: 02.02.2007

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=21 +k=0.999923 +x_0=7500000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2179, ETRS89 / Poland CS2000 zone 8

Scope: Large (1:5,000 and greater) scale topographic mapping and cadastral survey.

Remarks: See ETRS89 / Poland CS92 (code 2170) for smaller scale mapping.

Source: Glowny Urzad Geodezji i Kartografii via EuroGeographics; http://crs.bkg.bund.de/crs-eu/

Revision: 02.02.2007

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=24 +k=0.999923 +x_0=8500000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2180, ETRS89 / Poland CS92

Scope: Medium and small scale topographic mapping (1:10,000 and smaller).

Remarks: See ETRS89 / Poland CS2000 zones 5- 8 (codes 2176-79) for large scale purposes.

Source: Glowny Urzad Geodezji i Kartografii via EuroGeographics; http://crs.bkg.bund.de/crs-eu/

Revision: 02.02.2007

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=19 +k=0.9993 +x_0=500000 +y_0=-5300000 +ellps=GRS80 +units=m +no_defs`

EPSG 2188, Azores Occidental 1939 / UTM zone 25N

Scope: Topographic mapping.

Remarks: Replaced by PTRA08 / UTM zone 25N (CRS code 5014).

Source: Instituto Geografico e Cadastral Lisbon via EuroGeographics; http://crs.bkg.bund.de/crs-eu/

Revision: 31.03.2010

Proj4 definition: `+proj=utm +zone=25 +ellps=intl +units=m +no_defs`

EPSG 2189, Azores Central 1948 / UTM zone 26N

Scope: Topographic mapping.

Remarks:

Source: Instituto Geografico e Cadastral Lisbon via EuroGeographics; http://crs.bkg.bund.de/crs-eu/

Revision: 27.05.2005

Proj4 definition:
```
+proj=utm +zone=26 +ellps=intl +towgs84=-104,167,-38,0,0,0,0
+units=m +no_defs
```

EPSG 2190, Azores Oriental 1940 / UTM zone 26N

Scope: Topographic mapping.

Remarks:

Source: Instituto Geografico e Cadastral Lisbon via EuroGeographics; http://crs.bkg.bund.de/crs-eu/

Revision: 27.05.2005

Proj4 definition:
```
+proj=utm +zone=26 +ellps=intl +towgs84=-203,141,53,0,0,0,0
+units=m +no_defs
```

EPSG 2193, NZGD2000 / New Zealand Transverse Mercator 2000

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NZGD49 / New Zealand Map Grid (code 27200) from July 2001.

Source: Land Information New Zealand: LINZS25002 Standard for New Zealand Geodetic Datum 2000 Projections; 16 November 2007.

Revision: 21.01.2012

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=173 +k=0.9996 +x_0=1600000
+y_0=10000000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m
+no_defs
```

EPSG 2195, NAD83(HARN) / UTM zone 2S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces American Samoa 1962 / American Samoa Lambert (projCRS 3102) effective from 2000.

Source: US National Geodetic Survey (NGS) http://www.ngs.noaa.gov/

Revision: 21.05.2005

Proj4 definition:
```
+proj=utm +zone=2 +south +ellps=GRS80 +units=m +no_defs
```

EPSG 2196, ETRS89 / Kp2000 Jutland

Scope: Large scale topographic mapping and engineering survey.

Remarks: Replaces System 34 Jutland zone. For engineering survey and construction ETRS89 / DKTM (CRS codes 4093-94) are also used. For medium and small scale topographic mapping and cadastre ETRS89 / UTM zone 32N (code 25832) is used.

Source: Kort & Matrikelstyrelsen

Revision: 30.06.2009

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=9.5 +k=0.99995 +x_0=200000 +y_0=0
+ellps=GRS80 +units=m +no_defs
```

EPSG 2197, ETRS89 / Kp2000 Zealand

Scope: Large scale topographic mapping and engineering survey.

Remarks: Replaces System 34 Zealand zone. For engineering survey and construction ETRS89 / DKTM3 (CRS code 4095) is also used. For medium and small scale topographic mapping and cadastre ETRS89 / UTM zones 32N and 33N (CRS codes 25832-33) are used.

Source: Kort & Matrikelstyrelsen

Revision: 30.06.2009

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=12 +k=0.99995 +x_0=500000 +y_0=0
+ellps=GRS80 +units=m +no_defs
```

EPSG 2198, ETRS89 / Kp2000 Bornholm

Scope: Large scale topographic mapping and engineering survey.

Remarks: Replaces System 45. For engineering survey and construction ETRS89 / DKTM4 (code 4096) is also used. For medium and small scale topographic mapping and cadastre ETRS89 / UTM zone 33N (code 25833) is used.

Source: Kort & Matrikelstyrelsen

Revision: 30.06.2009

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=15 +k=1 +x_0=900000 +y_0=0 +ellps=GRS80
+units=m +no_defs
```

EPSG 2200, ATS77 / New Brunswick Stereographic (ATS77)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: In use from 1979. Replaces NAD27 / NB Stereographic (CRS code 5588). Replaced by NAD83(CSRS) / NB Stereographic (CRS code 2953).

Source: New Brunswick Geographic Information Corporation land and water information standards manual.

Revision: 08.10.2011

Proj4 definition:
```
+proj=sterea +lat_0=46.5 +lon_0=-66.5 +k=0.999912 +x_0=300000
+y_0=800000 +a=6378135 +b=6356750.304921594 +units=m +no_defs
```

EPSG 2201, REGVEN / UTM zone 18N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 06.11.2001

Proj4 definition:
```
+proj=utm +zone=18 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m
+no_defs
```

EPSG 2202, REGVEN / UTM zone 19N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 09.05.2011

Proj4 definition:
```
+proj=utm +zone=19 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m
+no_defs
```

EPSG 2203, REGVEN / UTM zone 20N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 09.05.2011
Proj4 definition: `+proj=utm +zone=20 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 2204, NAD27 / Tennessee

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 06.11.2001
Proj4 definition: `+proj=lcc +lat_1=35.25 +lat_2=36.41666666666666 +lat_0=34.66666666666666 +lon_0=-86 +x_0=609601.2192024384 +y_0=30480.06096012192 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 2205, NAD83 / Kentucky North

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: State law defines system in US survey feet. See code 2246 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.
Source:
Revision: 06.11.2001
Proj4 definition: `+proj=lcc +lat_1=37.96666666666667 +lat_2=38.96666666666667 +lat_0=37.5 +lon_0=-84.25 +x_0=500000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 2206, ED50 / 3-degree Gauss-Kruger zone 9

Scope: Large scale topographic mapping and cadastral survey.
Remarks: Also found with truncated false easting - see ED50 / TM27 (code 2319).
Source: OGP
Revision: 06.11.2001
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=27 +k=1 +x_0=9500000 +y_0=0 +ellps=intl +units=m +no_defs`

EPSG 2207, ED50 / 3-degree Gauss-Kruger zone 10

Scope: Large scale topographic mapping and cadastral survey.
Remarks: Also found with truncated false easting - see ED50 / TM30 (code 2320).
Source: OGP
Revision: 06.11.2001
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=30 +k=1 +x_0=10500000 +y_0=0 +ellps=intl +units=m +no_defs`

EPSG 2208, ED50 / 3-degree Gauss-Kruger zone 11

Scope: Large scale topographic mapping and cadastral survey.
Remarks: Also found with truncated false easting - see ED50 / TM33 (code 2321).
Source: OGP

Revision: 06.11.2001

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=33 +k=1 +x_0=11500000 +y_0=0 +ellps=intl +units=m +no_defs`

EPSG 2209, ED50 / 3-degree Gauss-Kruger zone 12

Scope: Large scale topographic mapping and cadastral survey.

Remarks: Also found with truncated false easting - see ED50 / TM36 (code 2322).

Source: OGP

Revision: 06.11.2001

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=36 +k=1 +x_0=12500000 +y_0=0 +ellps=intl +units=m +no_defs`

EPSG 2210, ED50 / 3-degree Gauss-Kruger zone 13

Scope: Large scale topographic mapping and cadastral survey.

Remarks: Also found with truncated false easting - see ED50 / TM39 (code 2323).

Source: OGP

Revision: 06.11.2001

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=39 +k=1 +x_0=13500000 +y_0=0 +ellps=intl +units=m +no_defs`

EPSG 2211, ED50 / 3-degree Gauss-Kruger zone 14

Scope: Large scale topographic mapping and cadastral survey.

Remarks: Also found with truncated false easting - see ED50 / TM42 (code 2324).

Source: OGP

Revision: 06.11.2001

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=42 +k=1 +x_0=14500000 +y_0=0 +ellps=intl +units=m +no_defs`

EPSG 2212, ED50 / 3-degree Gauss-Kruger zone 15

Scope: Large scale topographic mapping and cadastral survey.

Remarks: Also found with truncated false easting - see ED50 / TM45 (code 2325).

Source: OGP

Revision: 06.11.2001

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=45 +k=1 +x_0=15500000 +y_0=0 +ellps=intl +units=m +no_defs`

EPSG 2213, ETRS89 / TM 30 NE

Scope: Oil industry usage.

Remarks:

Source:

Revision: 02.02.2007

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=30 +k=0.9996 +x_0=500000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2215, Manoca 1962 / UTM zone 32N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces Douala 1948 / AOF west (code 2214). The intent of the Bukavu

1953 conference was to adopt the Clarke 1880 (RGN) ellipsoid (code 7012) but in practice this CRS has used the IGN version.

Source:

Revision: 18.11.2002

Proj4 definition: `+proj=utm +zone=32 +a=6378249.2 +b=6356515 +towgs84=-70.9,-151.8,-41.4,0,0,0,0 +units=m +no_defs`

EPSG 2216, Qornoq 1927 / UTM zone 22N

Scope: Topographic mapping.

Remarks:

Source: Kort & Matrikelstyrelsen, Copenhagen.

Revision: 18.01.2002

Proj4 definition: `+proj=utm +zone=22 +ellps=intl +units=m +no_defs`

EPSG 2217, Qornoq 1927 / UTM zone 23N

Scope: Topographic mapping.

Remarks:

Source: Kort & Matrikelstyrelsen, Copenhagen.

Revision: 18.01.2002

Proj4 definition: `+proj=utm +zone=23 +ellps=intl +units=m +no_defs`

EPSG 2218, Scoresbysund 1952 / Greenland zone 5 east

Scope: Topographic mapping.

Remarks: Historically also found with coordinate system axis abbreviations N/E (CS code 4501); second axis has abbreviation E but is positive to the west.

Source: Kort & Matrikelstyrelsen, Copenhagen.

Revision: 13.02.2012

Proj4 definition: `+proj=utm +zone=23 +ellps=intl +units=m +no_defs`

EPSG 2219, ATS77 / UTM zone 19N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: In use from 1979. To be phased out in late 1990's.

Source: New Brunswick Geographic Information Corporation land and water information standards manual.

Revision: 22.07.1997

Proj4 definition: `+proj=utm +zone=19 +a=6378135 +b=6356750.304921594 +units=m +no_defs`

EPSG 2220, ATS77 / UTM zone 20N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: In use from 1979. To be phased out in late 1990's.

Source: New Brunswick Geographic Information Corporation land and water information standards manual.

Revision: 22.07.1997

Proj4 `+proj=utm +zone=20 +a=6378135 +b=6356750.304921594 +units=m +no_defs`

definition:

EPSG 2221, Scoresbysund 1952 / Greenland zone 6 east

Scope: Topographic mapping.

Remarks: Historically also found with coordinate system axis abbreviations N/E (CS code 4501); second axis has abbreviation E but is positive to the west.

Source: Kort & Matrikelstyrelsen, Copenhagen.

Revision: 13.02.2012

Proj4 definition:
```
+proj=utm +zone=20 +a=6378135 +b=6356750.304921594 +units=m
+no_defs
```

EPSG 2222, NAD83 / Arizona East (ft)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in International feet (note: not US survey feet). Federal definition is metric - see code 26948. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition:
```
+proj=tmerc +lat_0=31 +lon_0=-110.1666666666667 +k=0.9999
+x_0=213360 +y_0=0 +ellps=GRS80 +datum=NAD83 +to_meter=0.3048
+no_defs
```

EPSG 2223, NAD83 / Arizona Central (ft)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in International feet (note: not US survey feet). Federal definition is metric - see code 26949. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition:
```
+proj=tmerc +lat_0=31 +lon_0=-111.9166666666667 +k=0.9999
+x_0=213360 +y_0=0 +ellps=GRS80 +datum=NAD83 +to_meter=0.3048
+no_defs
```

EPSG 2224, NAD83 / Arizona West (ft)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in International feet (note: not US survey feet). Federal definition is metric - see code 26950. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition:
```
+proj=tmerc +lat_0=31 +lon_0=-113.75 +k=0.999933333 +x_0=213360
+y_0=0 +ellps=GRS80 +datum=NAD83 +to_meter=0.3048 +no_defs
```

EPSG 2225, NAD83 / California zone 1 (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see

code 26941. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition:
```
+proj=lcc +lat_1=41.66666666666666 +lat_2=40
+lat_0=39.33333333333334 +lon_0=-122 +x_0=2000000.0001016
+y_0=500000.0001016001 +ellps=GRS80 +datum=NAD83
+to_meter=0.3048006096012192 +no_defs
```

EPSG 2226, NAD83 / California zone 2 (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 26942. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition:
```
+proj=lcc +lat_1=39.83333333333334 +lat_2=38.33333333333334
+lat_0=37.66666666666666 +lon_0=-122 +x_0=2000000.0001016
+y_0=500000.0001016001 +ellps=GRS80 +datum=NAD83
+to_meter=0.3048006096012192 +no_defs
```

EPSG 2227, NAD83 / California zone 3 (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 26943. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition:
```
+proj=lcc +lat_1=38.43333333333333 +lat_2=37.06666666666667
+lat_0=36.5 +lon_0=-120.5 +x_0=2000000.0001016
+y_0=500000.0001016001 +ellps=GRS80 +datum=NAD83
+to_meter=0.3048006096012192 +no_defs
```

EPSG 2228, NAD83 / California zone 4 (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 26944. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition:
```
+proj=lcc +lat_1=37.25 +lat_2=36 +lat_0=35.33333333333334 +lon_0=-
119 +x_0=2000000.0001016 +y_0=500000.0001016001 +ellps=GRS80
+datum=NAD83 +to_meter=0.3048006096012192 +no_defs
```

EPSG 2229, NAD83 / California zone 5 (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see

code 26945. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition:
```
+proj=lcc +lat_1=35.46666666666667 +lat_2=34.03333333333333
+lat_0=33.5 +lon_0=-118 +x_0=2000000.0001016 +y_0=500000.0001016001
+ellps=GRS80 +datum=NAD83 +to_meter=0.3048006096012192 +no_defs
```

EPSG 2230, NAD83 / California zone 6 (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 26946. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition:
```
+proj=lcc +lat_1=33.88333333333333 +lat_2=32.78333333333333
+lat_0=32.16666666666666 +lon_0=-116.25 +x_0=2000000.0001016
+y_0=500000.0001016001 +ellps=GRS80 +datum=NAD83
+to_meter=0.3048006096012192 +no_defs
```

EPSG 2231, NAD83 / Colorado North (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 26953. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition:
```
+proj=lcc +lat_1=40.78333333333333 +lat_2=39.71666666666667
+lat_0=39.33333333333334 +lon_0=-105.5 +x_0=914401.8288036576
+y_0=304800.6096012192 +ellps=GRS80 +datum=NAD83
+to_meter=0.3048006096012192 +no_defs
```

EPSG 2232, NAD83 / Colorado Central (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 26954. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition:
```
+proj=lcc +lat_1=39.75 +lat_2=38.45 +lat_0=37.83333333333334
+lon_0=-105.5 +x_0=914401.8288036576 +y_0=304800.6096012192
+ellps=GRS80 +datum=NAD83 +to_meter=0.3048006096012192 +no_defs
```

EPSG 2233, NAD83 / Colorado South (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 26955. For applications with an accuracy of better than 3 feet, replaced

by NAD83(HARN) / SPCS.

Source: National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition:
```
+proj=lcc +lat_1=38.43333333333333 +lat_2=37.23333333333333
+lat_0=36.66666666666666 +lon_0=-105.5 +x_0=914401.8288036576
+y_0=304800.6096012192 +ellps=GRS80 +datum=NAD83
+to_meter=0.3048006096012192 +no_defs
```

EPSG 2234, NAD83 / Connecticut (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 26956. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition:
```
+proj=lcc +lat_1=41.86666666666667 +lat_2=41.2
+lat_0=40.83333333333334 +lon_0=-72.75 +x_0=304800.6096012192
+y_0=152400.3048006096 +ellps=GRS80 +datum=NAD83
+to_meter=0.3048006096012192 +no_defs
```

EPSG 2235, NAD83 / Delaware (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 26957. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition:
```
+proj=tmerc +lat_0=38 +lon_0=-75.41666666666667 +k=0.999995
+x_0=200000.0001016002 +y_0=0 +ellps=GRS80 +datum=NAD83
+to_meter=0.3048006096012192 +no_defs
```

EPSG 2236, NAD83 / Florida East (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 26958. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition:
```
+proj=tmerc +lat_0=24.33333333333333 +lon_0=-81 +k=0.999941177
+x_0=200000.0001016002 +y_0=0 +ellps=GRS80 +datum=NAD83
+to_meter=0.3048006096012192 +no_defs
```

EPSG 2237, NAD83 / Florida West (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 26959. For applications with an accuracy of better than 3 feet, replaced

by NAD83(HARN) / SPCS.

Source: National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition:
```
+proj=tmerc +lat_0=24.33333333333333 +lon_0=-82 +k=0.999941177
+x_0=200000.0001016002 +y_0=0 +ellps=GRS80 +datum=NAD83
+to_meter=0.3048006096012192 +no_defs
```

EPSG 2238, NAD83 / Florida North (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 26960. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition:
```
+proj=lcc +lat_1=30.75 +lat_2=29.58333333333333 +lat_0=29 +lon_0=-
84.5 +x_0=600000 +y_0=0 +ellps=GRS80 +datum=NAD83
+to_meter=0.3048006096012192 +no_defs
```

EPSG 2239, NAD83 / Georgia East (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 26966. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition:
```
+proj=tmerc +lat_0=30 +lon_0=-82.16666666666667 +k=0.9999
+x_0=200000.0001016002 +y_0=0 +ellps=GRS80 +datum=NAD83
+to_meter=0.3048006096012192 +no_defs
```

EPSG 2240, NAD83 / Georgia West (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 26967. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition:
```
+proj=tmerc +lat_0=30 +lon_0=-84.16666666666667 +k=0.9999
+x_0=699999.9998983998 +y_0=0 +ellps=GRS80 +datum=NAD83
+to_meter=0.3048006096012192 +no_defs
```

EPSG 2241, NAD83 / Idaho East (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 26968. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey

http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition: `+proj=tmerc +lat_0=41.66666666666666 +lon_0=-112.1666666666667 +k=0.9999473679999999 +x_0=200000.0001016002 +y_0=0 +ellps=GRS80 +datum=NAD83 +to_meter=0.3048006096012192 +no_defs`

EPSG 2242, NAD83 / Idaho Central (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 26969. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition: `+proj=tmerc +lat_0=41.66666666666666 +lon_0=-114 +k=0.9999473679999999 +x_0=500000.0001016001 +y_0=0 +ellps=GRS80 +datum=NAD83 +to_meter=0.3048006096012192 +no_defs`

EPSG 2243, NAD83 / Idaho West (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 26970. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition: `+proj=tmerc +lat_0=41.66666666666666 +lon_0=-115.75 +k=0.999933333 +x_0=800000.0001016001 +y_0=0 +ellps=GRS80 +datum=NAD83 +to_meter=0.3048006096012192 +no_defs`

EPSG 2246, NAD83 / Kentucky North (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2205. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition: `+proj=lcc +lat_1=37.96666666666667 +lat_2=38.96666666666667 +lat_0=37.5 +lon_0=-84.25 +x_0=500000.0001016001 +y_0=0 +ellps=GRS80 +datum=NAD83 +to_meter=0.3048006096012192 +no_defs`

EPSG 2247, NAD83 / Kentucky South (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 26980. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition: `+proj=lcc +lat_1=37.93333333333333 +lat_2=36.73333333333333 +lat_0=36.33333333333334 +lon_0=-85.75 +x_0=500000.0001016001 +y_0=500000.0001016001 +ellps=GRS80 +datum=NAD83 +to_meter=0.3048006096012192 +no_defs`

EPSG 2248, NAD83 / Maryland (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 26985. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition: `+proj=lcc +lat_1=39.45 +lat_2=38.3 +lat_0=37.66666666666666 +lon_0=-77 +x_0=399999.9998983998 +y_0=0 +ellps=GRS80 +datum=NAD83 +to_meter=0.3048006096012192 +no_defs`

EPSG 2249, NAD83 / Massachusetts Mainland (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 26986. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition: `+proj=lcc +lat_1=42.68333333333333 +lat_2=41.71666666666667 +lat_0=41 +lon_0=-71.5 +x_0=200000.0001016002 +y_0=750000 +ellps=GRS80 +datum=NAD83 +to_meter=0.3048006096012192 +no_defs`

EPSG 2250, NAD83 / Massachusetts Island (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 26987. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition: `+proj=lcc +lat_1=41.48333333333333 +lat_2=41.28333333333333 +lat_0=41 +lon_0=-70.5 +x_0=500000.0001016001 +y_0=0 +ellps=GRS80 +datum=NAD83 +to_meter=0.3048006096012192 +no_defs`

EPSG 2251, NAD83 / Michigan North (ft)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in International feet (note: not US survey feet). Federal definition is metric - see code 26988. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition: `+proj=lcc +lat_1=47.08333333333334 +lat_2=45.48333333333333 +lat_0=44.78333333333333 +lon_0=-87 +x_0=7999999.999968001 +y_0=0`

```
+ellps=GRS80 +datum=NAD83 +to_meter=0.3048 +no_defs
```

EPSG 2252, NAD83 / Michigan Central (ft)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in International feet (note: not US survey feet). Federal definition is metric - see code 26989. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition:
```
+proj=lcc +lat_1=45.7 +lat_2=44.18333333333333
+lat_0=43.31666666666667 +lon_0=-84.36666666666666
+x_0=5999999.999976001 +y_0=0 +ellps=GRS80 +datum=NAD83
+to_meter=0.3048 +no_defs
```

EPSG 2253, NAD83 / Michigan South (ft)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in International feet (note: not US survey feet). Federal definition is metric - see code 26990. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition:
```
+proj=lcc +lat_1=43.66666666666666 +lat_2=42.1 +lat_0=41.5 +lon_0=-
84.36666666666666 +x_0=3999999.999984 +y_0=0 +ellps=GRS80
+datum=NAD83 +to_meter=0.3048 +no_defs
```

EPSG 2254, NAD83 / Mississippi East (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 26994. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition:
```
+proj=tmerc +lat_0=29.5 +lon_0=-88.83333333333333 +k=0.99995
+x_0=300000.0000000001 +y_0=0 +ellps=GRS80 +datum=NAD83
+to_meter=0.3048006096012192 +no_defs
```

EPSG 2255, NAD83 / Mississippi West (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 26995. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition:
```
+proj=tmerc +lat_0=29.5 +lon_0=-90.33333333333333 +k=0.99995
+x_0=699999.9998983998 +y_0=0 +ellps=GRS80 +datum=NAD83
+to_meter=0.3048006096012192 +no_defs
```

EPSG 2256, NAD83 / Montana (ft)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in International feet (note: not US survey feet). Federal definition is metric - see code 32100. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition:
```
+proj=lcc +lat_1=49 +lat_2=45 +lat_0=44.25 +lon_0=-109.5
+x_0=599999.9999976 +y_0=0 +ellps=GRS80 +datum=NAD83
+to_meter=0.3048 +no_defs
```

EPSG 2257, NAD83 / New Mexico East (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 32112. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition:
```
+proj=tmerc +lat_0=31 +lon_0=-104.3333333333333 +k=0.999909091
+x_0=165000 +y_0=0 +ellps=GRS80 +datum=NAD83
+to_meter=0.3048006096012192 +no_defs
```

EPSG 2258, NAD83 / New Mexico Central (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 32113. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition:
```
+proj=tmerc +lat_0=31 +lon_0=-106.25 +k=0.9999
+x_0=500000.0001016001 +y_0=0 +ellps=GRS80 +datum=NAD83
+to_meter=0.3048006096012192 +no_defs
```

EPSG 2259, NAD83 / New Mexico West (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 32114. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition:
```
+proj=tmerc +lat_0=31 +lon_0=-107.8333333333333 +k=0.999916667
+x_0=830000.0001016001 +y_0=0 +ellps=GRS80 +datum=NAD83
+to_meter=0.3048006096012192 +no_defs
```

EPSG 2260, NAD83 / New York East (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 32115. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition:
```
+proj=tmerc +lat_0=38.83333333333334 +lon_0=-74.5 +k=0.9999
+x_0=150000 +y_0=0 +ellps=GRS80 +datum=NAD83
+to_meter=0.3048006096012192 +no_defs
```

EPSG 2261, NAD83 / New York Central (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 32116. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition:
```
+proj=tmerc +lat_0=40 +lon_0=-76.58333333333333 +k=0.9999375
+x_0=249999.9998983998 +y_0=0 +ellps=GRS80 +datum=NAD83
+to_meter=0.3048006096012192 +no_defs
```

EPSG 2262, NAD83 / New York West (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 32117. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition:
```
+proj=tmerc +lat_0=40 +lon_0=-78.58333333333333 +k=0.9999375
+x_0=350000.0001016001 +y_0=0 +ellps=GRS80 +datum=NAD83
+to_meter=0.3048006096012192 +no_defs
```

EPSG 2263, NAD83 / New York Long Island (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 32118. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition:
```
+proj=lcc +lat_1=41.03333333333333 +lat_2=40.66666666666666
+lat_0=40.16666666666666 +lon_0=-74 +x_0=300000.0000000001 +y_0=0
+ellps=GRS80 +datum=NAD83 +to_meter=0.3048006096012192 +no_defs
```

EPSG 2264, NAD83 / North Carolina (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 32119. For applications with an accuracy of better than 3 feet, replaced

by NAD83(HARN) / SPCS.

Source: National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 19.01.2007

Proj4 definition: `+proj=lcc +lat_1=36.16666666666666 +lat_2=34.33333333333334 +lat_0=33.75 +lon_0=-79 +x_0=609601.2192024384 +y_0=0 +ellps=GRS80 +datum=NAD83 +to_meter=0.3048006096012192 +no_defs`

EPSG 2265, NAD83 / North Dakota North (ft)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in International feet (note: not US survey feet). Federal definition is metric - see code 32120. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition: `+proj=lcc +lat_1=48.73333333333333 +lat_2=47.43333333333333 +lat_0=47 +lon_0=-100.5 +x_0=599999.9999976 +y_0=0 +ellps=GRS80 +datum=NAD83 +to_meter=0.3048 +no_defs`

EPSG 2266, NAD83 / North Dakota South (ft)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in International feet (note: not US survey feet). Federal definition is metric - see code 32121. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition: `+proj=lcc +lat_1=47.48333333333333 +lat_2=46.18333333333333 +lat_0=45.66666666666666 +lon_0=-100.5 +x_0=599999.9999976 +y_0=0 +ellps=GRS80 +datum=NAD83 +to_meter=0.3048 +no_defs`

EPSG 2267, NAD83 / Oklahoma North (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 32124. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition: `+proj=lcc +lat_1=36.76666666666667 +lat_2=35.56666666666667 +lat_0=35 +lon_0=-98 +x_0=600000 +y_0=0 +ellps=GRS80 +datum=NAD83 +to_meter=0.3048006096012192 +no_defs`

EPSG 2268, NAD83 / Oklahoma South (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 32125. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey

http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition:
```
+proj=lcc +lat_1=35.23333333333333 +lat_2=33.93333333333333
+lat_0=33.33333333333334 +lon_0=-98 +x_0=600000 +y_0=0 +ellps=GRS80
+datum=NAD83 +to_meter=0.3048006096012192 +no_defs
```

EPSG 2269, NAD83 / Oregon North (ft)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in International feet (note: not US survey feet). Federal definition is metric - see code 32126. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition:
```
+proj=lcc +lat_1=46 +lat_2=44.33333333333334
+lat_0=43.66666666666666 +lon_0=-120.5 +x_0=2500000.0001424 +y_0=0
+ellps=GRS80 +datum=NAD83 +to_meter=0.3048 +no_defs
```

EPSG 2270, NAD83 / Oregon South (ft)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in International feet (note: not US survey feet). Federal definition is metric - see code 32127. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition:
```
+proj=lcc +lat_1=44 +lat_2=42.33333333333334
+lat_0=41.66666666666666 +lon_0=-120.5 +x_0=1500000.0001464 +y_0=0
+ellps=GRS80 +datum=NAD83 +to_meter=0.3048 +no_defs
```

EPSG 2271, NAD83 / Pennsylvania North (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 32128. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 19.01.2007

Proj4 definition:
```
+proj=lcc +lat_1=41.95 +lat_2=40.88333333333333
+lat_0=40.16666666666666 +lon_0=-77.75 +x_0=600000 +y_0=0
+ellps=GRS80 +datum=NAD83 +to_meter=0.3048006096012192 +no_defs
```

EPSG 2272, NAD83 / Pennsylvania South (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 32129. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 19.01.2007

Proj4 definition: `+proj=lcc +lat_1=40.96666666666667 +lat_2=39.93333333333333 +lat_0=39.33333333333334 +lon_0=-77.75 +x_0=600000 +y_0=0 +ellps=GRS80 +datum=NAD83 +to_meter=0.3048006096012192 +no_defs`

EPSG 2273, NAD83 / South Carolina (ft)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in International feet (note: not US survey feet). Federal definition is metric - see CRS code 32133. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 19.01.2007

Proj4 definition: `+proj=lcc +lat_1=34.83333333333334 +lat_2=32.5 +lat_0=31.83333333333333 +lon_0=-81 +x_0=609600 +y_0=0 +ellps=GRS80 +datum=NAD83 +to_meter=0.3048 +no_defs`

EPSG 2274, NAD83 / Tennessee (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 32136. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition: `+proj=lcc +lat_1=36.41666666666666 +lat_2=35.25 +lat_0=34.33333333333334 +lon_0=-86 +x_0=600000 +y_0=0 +ellps=GRS80 +datum=NAD83 +to_meter=0.3048006096012192 +no_defs`

EPSG 2275, NAD83 / Texas North (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 32137. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition: `+proj=lcc +lat_1=36.18333333333333 +lat_2=34.65 +lat_0=34 +lon_0=-101.5 +x_0=200000.0001016002 +y_0=999999.9998983998 +ellps=GRS80 +datum=NAD83 +to_meter=0.3048006096012192 +no_defs`

EPSG 2276, NAD83 / Texas North Central (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 32138. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition: `+proj=lcc +lat_1=33.96666666666667 +lat_2=32.13333333333333 +lat_0=31.66666666666667 +lon_0=-98.5 +x_0=600000 +y_0=2000000.0001016 +ellps=GRS80 +datum=NAD83`

+to_meter=0.3048006096012192 +no_defs

EPSG 2277, NAD83 / Texas Central (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 32139. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition:
```
+proj=lcc +lat_1=31.88333333333333 +lat_2=30.11666666666667
+lat_0=29.66666666666667 +lon_0=-100.3333333333333
+x_0=699999.9998983998 +y_0=3000000 +ellps=GRS80 +datum=NAD83
+to_meter=0.3048006096012192 +no_defs
```

EPSG 2278, NAD83 / Texas South Central (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 32140. For onshore applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 14.07.2006

Proj4 definition:
```
+proj=lcc +lat_1=30.28333333333333 +lat_2=28.38333333333333
+lat_0=27.83333333333333 +lon_0=-99 +x_0=600000 +y_0=3999999.9998984
+ellps=GRS80 +datum=NAD83 +to_meter=0.3048006096012192 +no_defs
```

EPSG 2279, NAD83 / Texas South (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 32141. For onshore applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 14.07.2006

Proj4 definition:
```
+proj=lcc +lat_1=27.83333333333333 +lat_2=26.16666666666667
+lat_0=25.66666666666667 +lon_0=-98.5 +x_0=300000.0000000001
+y_0=5000000.0001016 +ellps=GRS80 +datum=NAD83
+to_meter=0.3048006096012192 +no_defs
```

EPSG 2280, NAD83 / Utah North (ft)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defining system in International feet (note: not US survey feet) has been withdrawn. Federal definition is metric - see code 32142. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 20.01.2007

Proj4
```
+proj=lcc +lat_1=41.78333333333333 +lat_2=40.71666666666667
```

definition: `+lat_0=40.33333333333334 +lon_0=-111.5 +x_0=500000.0001504 +y_0=999999.9999960001 +ellps=GRS80 +datum=NAD83 +to_meter=0.3048 +no_defs`

EPSG 2281, NAD83 / Utah Central (ft)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defining system in International feet (note: not US survey feet) has been withdrawn. Federal definition is metric - see code 32143. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 20.01.2007

Proj4 definition: `+proj=lcc +lat_1=40.65 +lat_2=39.01666666666667 +lat_0=38.33333333333334 +lon_0=-111.5 +x_0=500000.0001504 +y_0=1999999.999992 +ellps=GRS80 +datum=NAD83 +to_meter=0.3048 +no_defs`

EPSG 2282, NAD83 / Utah South (ft)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defining system in International feet (note: not US survey feet) has been withdrawn. Federal definition is metric - see code 32144. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 20.01.2007

Proj4 definition: `+proj=lcc +lat_1=38.35 +lat_2=37.21666666666667 +lat_0=36.66666666666666 +lon_0=-111.5 +x_0=500000.0001504 +y_0=2999999.999988 +ellps=GRS80 +datum=NAD83 +to_meter=0.3048 +no_defs`

EPSG 2283, NAD83 / Virginia North (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 32146. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition: `+proj=lcc +lat_1=39.2 +lat_2=38.03333333333333 +lat_0=37.66666666666666 +lon_0=-78.5 +x_0=3500000.0001016 +y_0=2000000.0001016 +ellps=GRS80 +datum=NAD83 +to_meter=0.3048006096012192 +no_defs`

EPSG 2284, NAD83 / Virginia South (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 32147. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition: `+proj=lcc +lat_1=37.96666666666667 +lat_2=36.76666666666667 +lat_0=36.33333333333334 +lon_0=-78.5 +x_0=3500000.0001016 +y_0=999999.9998983998 +ellps=GRS80 +datum=NAD83 +to_meter=0.3048006096012192 +no_defs`

EPSG 2285, NAD83 / Washington North (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 32148. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition: `+proj=lcc +lat_1=48.73333333333333 +lat_2=47.5 +lat_0=47 +lon_0=-120.8333333333333 +x_0=500000.0001016001 +y_0=0 +ellps=GRS80 +datum=NAD83 +to_meter=0.3048006096012192 +no_defs`

EPSG 2286, NAD83 / Washington South (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 32149. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition: `+proj=lcc +lat_1=47.33333333333334 +lat_2=45.83333333333334 +lat_0=45.33333333333334 +lon_0=-120.5 +x_0=500000.0001016001 +y_0=0 +ellps=GRS80 +datum=NAD83 +to_meter=0.3048006096012192 +no_defs`

EPSG 2287, NAD83 / Wisconsin North (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 32152. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition: `+proj=lcc +lat_1=46.76666666666667 +lat_2=45.56666666666667 +lat_0=45.16666666666666 +lon_0=-90 +x_0=600000 +y_0=0 +ellps=GRS80 +datum=NAD83 +to_meter=0.3048006096012192 +no_defs`

EPSG 2288, NAD83 / Wisconsin Central (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 32153. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition: `+proj=lcc +lat_1=45.5 +lat_2=44.25 +lat_0=43.83333333333334 +lon_0=-90 +x_0=600000 +y_0=0 +ellps=GRS80 +datum=NAD83 +to_meter=0.3048006096012192 +no_defs`

EPSG 2289, NAD83 / Wisconsin South (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 32154. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 06.11.2001

Proj4 definition: `+proj=lcc +lat_1=44.06666666666667 +lat_2=42.73333333333333 +lat_0=42 +lon_0=-90 +x_0=600000 +y_0=0 +ellps=GRS80 +datum=NAD83 +to_meter=0.3048006096012192 +no_defs`

EPSG 2290, ATS77 / Prince Edward Isl. Stereographic (ATS77)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: In use from 1979. To be phased out in late 1990's.

Source: Geomatics Centre; Nova Scotia Ministry of Housing and Municipal Affairs.

Revision: 13.11.1997

Proj4 definition: `+proj=sterea +lat_0=47.25 +lon_0=-63 +k=0.999912 +x_0=700000 +y_0=400000 +a=6378135 +b=6356750.304921594 +units=m +no_defs`

EPSG 2294, ATS77 / MTM Nova Scotia zone 4

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: In use from 1979. To be phased out in late 1990's.

Source: Geomatics Centre; Nova Scotia Ministry of Housing and Municipal Affairs.

Revision: 13.11.1997

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-61.5 +k=0.9999 +x_0=4500000 +y_0=0 +a=6378135 +b=6356750.304921594 +units=m +no_defs`

EPSG 2295, ATS77 / MTM Nova Scotia zone 5

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: In use from 1979. To be phased out in late 1990's.

Source: Geomatics Centre; Nova Scotia Ministry of Housing and Municipal Affairs.

Revision: 13.11.1997

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-64.5 +k=0.9999 +x_0=5500000 +y_0=0 +a=6378135 +b=6356750.304921594 +units=m +no_defs`

EPSG 2296, Ammassalik 1958 / Greenland zone 7 east

Scope: Topographic mapping.

Remarks: Historically also found with coordinate system axis abbreviations N/E (CS code 4501); second axis has abbreviation E but is positive to the west.

Source: Kort & Matrikelstyrelsen, Copenhagen.

Revision: 13.02.2012

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-64.5 +k=0.9999 +x_0=5500000 +y_0=0 +a=6378135 +b=6356750.304921594 +units=m +no_defs`

EPSG 2299, Qornoq 1927 / Greenland zone 2 west

Scope: Topographic mapping.

Remarks: Historically also found with coordinate system axis abbreviations N/E (CS code 4501); second axis has abbreviation E but is positive to the west.

Source: Kort & Matrikelstyrelsen, Copenhagen.

Revision: 13.02.2012

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=-64.5 +k=0.9999 +x_0=5500000 +y_0=0
+a=6378135 +b=6356750.304921594 +units=m +no_defs
```

EPSG 2301, Qornoq 1927 / Greenland zone 3 west

Scope: Topographic mapping.

Remarks: Historically also found with coordinate system axis abbreviations N/E (CS code 4501); second axis has abbreviation E but is positive to the west.

Source: Kort & Matrikelstyrelsen, Copenhagen.

Revision: 13.02.2012

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=-64.5 +k=0.9999 +x_0=5500000 +y_0=0
+a=6378135 +b=6356750.304921594 +units=m +no_defs
```

EPSG 2303, Qornoq 1927 / Greenland zone 4 west

Scope: Topographic mapping.

Remarks: Historically also found with coordinate system axis abbreviations N/E (CS code 4501); second axis has abbreviation E but is positive to the west.

Source: Kort & Matrikelstyrelsen, Copenhagen.

Revision: 13.02.2012

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=-64.5 +k=0.9999 +x_0=5500000 +y_0=0
+a=6378135 +b=6356750.304921594 +units=m +no_defs
```

EPSG 2304, Qornoq 1927 / Greenland zone 5 west

Scope: Topographic mapping.

Remarks: Historically also found with coordinate system axis abbreviations N/E (CS code 4501); second axis has abbreviation E but is positive to the west.

Source: Kort & Matrikelstyrelsen, Copenhagen.

Revision: 13.02.2012

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=-64.5 +k=0.9999 +x_0=5500000 +y_0=0
+a=6378135 +b=6356750.304921594 +units=m +no_defs
```

EPSG 2305, Qornoq 1927 / Greenland zone 6 west

Scope: Topographic mapping.

Remarks: Historically also found with coordinate system axis abbreviations N/E (CS code 4501); second axis has abbreviation E but is positive to the west.

Source: Kort & Matrikelstyrelsen, Copenhagen.

Revision: 13.02.2012

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=-64.5 +k=0.9999 +x_0=5500000 +y_0=0
+a=6378135 +b=6356750.304921594 +units=m +no_defs
```

EPSG 2306, Qornoq 1927 / Greenland zone 7 west

Scope: Topographic mapping.

Remarks: Historically also found with coordinate system axis abbreviations N/E (CS code 4501); second axis has abbreviation E but is positive to the west.

Source: Kort & Matrikelstyrelsen, Copenhagen.

Revision: 13.02.2012

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-64.5 +k=0.9999 +x_0=5500000 +y_0=0 +a=6378135 +b=6356750.304921594 +units=m +no_defs`

EPSG 2307, Qornoq 1927 / Greenland zone 8 east

Scope: Topographic mapping.

Remarks: Historically also found with coordinate system axis abbreviations N/E (CS code 4501); second axis has abbreviation E but is positive to the west.

Source: Kort & Matrikelstyrelsen, Copenhagen.

Revision: 13.02.2012

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-64.5 +k=0.9999 +x_0=5500000 +y_0=0 +a=6378135 +b=6356750.304921594 +units=m +no_defs`

EPSG 2308, Batavia / TM 109 SE

Scope: Used by Arco and BP for ONWJ.

Remarks:

Source: BP Indonesia.

Revision: 12.02.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=109 +k=0.9996 +x_0=500000 +y_0=10000000 +ellps=bessel +units=m +no_defs`

EPSG 2309, WGS 84 / TM 116 SE

Scope: Used by BP for Terang-Sirasun.

Remarks:

Source: BP Indonesia.

Revision: 25.08.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=116 +k=0.9996 +x_0=500000 +y_0=10000000 +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 2310, WGS 84 / TM 132 SE

Scope: Used for hydrocarbons exploration and development.

Remarks:

Source: BP Indonesia.

Revision: 25.08.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=132 +k=0.9996 +x_0=500000 +y_0=10000000 +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 2311, WGS 84 / TM 6 NE

Scope: Oil exploration and production.

Remarks: Used for oil exploration beyond the contintental shelf by ExxonMobil and with effect from March 2004 by Total for all offshore areas.

Source: ExxonMobil.

Revision: 12.02.2002

Proj4 `+proj=tmerc +lat_0=0 +lon_0=6 +k=0.9996 +x_0=500000 +y_0=0`

definition: +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 2312, Garoua / UTM zone 33N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: TotalFinaElf
Revision: 12.02.2002
Proj4 definition: +proj=utm +zone=33 +ellps=clrk80 +units=m +no_defs

EPSG 2313, Kousseri / UTM zone 33N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: TotalFinaElf
Revision: 12.02.2002
Proj4 definition: +proj=utm +zone=33 +ellps=clrk80 +units=m +no_defs

EPSG 2314, Trinidad 1903 / Trinidad Grid (ftCla)

Scope: Oil industry exploration and production.
Remarks: Foot version of Trinidad 1903 / Trinidad Grid (code 30200) used by some US-based companies including Amoco Trinidad.
Source: BP
Revision: 01.07.2005
Proj4 definition: +proj=cass +lat_0=10.44166666666667 +lon_0=-61.33333333333334 +x_0=86501.46392052001 +y_0=65379.0134283 +a=6378293.645208759 +b=6356617.987679838 +to_meter=0.3047972654 +no_defs

EPSG 2315, Campo Inchauspe / UTM zone 19S

Scope: Oil industry exploration.
Remarks:
Source: TotalFinaElf
Revision: 12.02.2002
Proj4 definition: +proj=utm +zone=19 +south +ellps=intl +units=m +no_defs

EPSG 2316, Campo Inchauspe / UTM zone 20S

Scope: Oil industry exploration.
Remarks:
Source: TotalFinaElf
Revision: 12.02.2002
Proj4 definition: +proj=utm +zone=20 +south +ellps=intl +units=m +no_defs

EPSG 2317, PSAD56 / ICN Regional

Scope: Small scale topographic and geological mapping.
Remarks:
Source: Institute Cartografica Nacional
Revision: 12.02.2002
Proj4 definition: +proj=lcc +lat_1=9 +lat_2=3 +lat_0=6 +lon_0=-66 +x_0=1000000 +y_0=1000000 +ellps=intl +units=m +no_defs

EPSG 2318, Ain el Abd / Aramco Lambert

Scope: Oil industry exploration and production.

Remarks: Used by Saudi Aramco when area of interest crosses UTM zone boundary. Adopted by partners for Core Venture 1 (South Ghawar) area.

Source: Saudi Aramco

Revision: 12.02.2002

Proj4 definition:
```
+proj=lcc +lat_1=17 +lat_2=33 +lat_0=25.08951 +lon_0=48 +x_0=0
+y_0=0 +ellps=intl +units=m +no_defs
```

EPSG 2319, ED50 / TM27

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with zone number prefix to false easting - see ED50 / 3-degree Gauss-Kruger zone 9 (code 2206).

Source: General Command of Mapping via EuroGeographics; http://crs.bkg.bund.de/crs-eu/

Revision: 22.07.2006

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=27 +k=1 +x_0=500000 +y_0=0
+ellps=intl +units=m +no_defs
```

EPSG 2320, ED50 / TM30

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with zone number prefix to false easting - see ED50 / 3-degree Gauss-Kruger zone 10 (code 2207).

Source: General Command of Mapping via EuroGeographics; http://crs.bkg.bund.de/crs-eu/

Revision: 27.05.2005

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=30 +k=1 +x_0=500000 +y_0=0
+ellps=intl +units=m +no_defs
```

EPSG 2321, ED50 / TM33

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with zone number prefix to false easting - see ED50 / 3-degree Gauss-Kruger zone 11 (code 2208).

Source: General Command of Mapping via EuroGeographics; http://crs.bkg.bund.de/crs-eu/

Revision: 22.07.2006

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=33 +k=1 +x_0=500000 +y_0=0
+ellps=intl +units=m +no_defs
```

EPSG 2322, ED50 / TM36

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with zone number prefix to false easting - see ED50 / 3-degree Gauss-Kruger zone 12 (code 2209).

Source: General Command of Mapping via EuroGeographics; http://crs.bkg.bund.de/crs-eu/

Revision: 27.05.2005

Proj4
```
+proj=tmerc +lat_0=0 +lon_0=36 +k=1 +x_0=500000 +y_0=0
```

definition: `+ellps=intl +units=m +no_defs`

EPSG 2323, ED50 / TM39

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with zone number prefix to false easting - see ED50 / 3-degree Gauss-Kruger zone 13 (code 2210).

Source: General Command of Mapping via EuroGeographics; http://crs.bkg.bund.de/crs-eu/

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=39 +k=1 +x_0=500000 +y_0=0 +ellps=intl +units=m +no_defs`

EPSG 2324, ED50 / TM42

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with zone number prefix to false easting - see ED50 / 3-degree Gauss-Kruger zone 14 (code 2211).

Source: General Command of Mapping via EuroGeographics; http://crs.bkg.bund.de/crs-eu/

Revision: 27.05.2005

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=42 +k=1 +x_0=500000 +y_0=0 +ellps=intl +units=m +no_defs`

EPSG 2325, ED50 / TM45

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with zone number prefix to false easting - see ED50 / 3-degree Gauss-Kruger zone 15 (code 2212).

Source: General Command of Mapping via EuroGeographics; http://crs.bkg.bund.de/crs-eu/

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=45 +k=1 +x_0=500000 +y_0=0 +ellps=intl +units=m +no_defs`

EPSG 2326, Hong Kong 1980 Grid System

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Replaces Hong Kong 1963 Grid System.

Source: Survey and Mapping Office, Lands Department. Http://www.info.gov.hk/landsd/mapping/tindex.htm

Revision: 22.06.2006

Proj4 definition: `+proj=tmerc +lat_0=22.31213333333334 +lon_0=114.1785555555556 +k=1 +x_0=836694.05 +y_0=819069.8 +ellps=intl +towgs84=-162.619,-276.959,-161.764,0.067753,-2.24365,-1.15883,-1.09425 +units=m +no_defs`

EPSG 2327, Xian 1980 / Gauss-Kruger zone 13

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Xian 1980 / [6-degree] Gauss-Kruger CM 75E (code 2338).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=75 +k=1 +x_0=13500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

EPSG 2328, Xian 1980 / Gauss-Kruger zone 14

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Xian 1980 / [6-degree] Gauss-Kruger CM 81E (code 2339).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=81 +k=1 +x_0=14500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

EPSG 2329, Xian 1980 / Gauss-Kruger zone 15

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Xian 1980 / [6-degree] Gauss-Kruger CM 87E (code 2340).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=87 +k=1 +x_0=15500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

EPSG 2330, Xian 1980 / Gauss-Kruger zone 16

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Xian 1980 / [6-degree] Gauss-Kruger CM 93E (code 2341).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=93 +k=1 +x_0=16500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

EPSG 2331, Xian 1980 / Gauss-Kruger zone 17

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Xian 1980 / [6-degree] Gauss-Kruger CM 99E (code 2342).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=99 +k=1 +x_0=17500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

EPSG 2332, Xian 1980 / Gauss-Kruger zone 18

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Xian 1980 / [6-degree] Gauss-Kruger CM 105E (code 2343).

Source: OGP

Revision: 22.06.2002

Proj4 `+proj=tmerc +lat_0=0 +lon_0=105 +k=1 +x_0=18500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

definition:

EPSG 2333, Xian 1980 / Gauss-Kruger zone 19

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Xian 1980 / [6-degree] Gauss-Kruger CM 111E (code 2344).

Source: OGP

Revision: 24.11.2009

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=111 +k=1 +x_0=19500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

EPSG 2334, Xian 1980 / Gauss-Kruger zone 20

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Xian 1980 / [6-degree] Gauss-Kruger CM 117E (code 2345).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=117 +k=1 +x_0=20500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

EPSG 2335, Xian 1980 / Gauss-Kruger zone 21

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Xian 1980 / [6-degree] Gauss-Kruger CM 123E (code 2346).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=123 +k=1 +x_0=21500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

EPSG 2336, Xian 1980 / Gauss-Kruger zone 22

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Xian 1980 / [6-degree] Gauss-Kruger CM 129E (code 2347).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=129 +k=1 +x_0=22500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

EPSG 2337, Xian 1980 / Gauss-Kruger zone 23

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Xian 1980 / [6-degree] Gauss-Kruger CM 135E (code 2348).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=135 +k=1 +x_0=23500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

EPSG 2338, Xian 1980 / Gauss-Kruger CM 75E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Xian 1980 / [6-degree] Gauss-Kruger zone 13 (code 2327).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=75 +k=1 +x_0=500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

EPSG 2339, Xian 1980 / Gauss-Kruger CM 81E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Xian 1980 / [6-degree] Gauss-Kruger zone 14 (code 2328).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=81 +k=1 +x_0=500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

EPSG 2340, Xian 1980 / Gauss-Kruger CM 87E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Xian 1980 / [6-degree] Gauss-Kruger zone 15 (code 2329).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=87 +k=1 +x_0=500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

EPSG 2341, Xian 1980 / Gauss-Kruger CM 93E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Xian 1980 / [6-degree] Gauss-Kruger zone 16 (code 2330).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=93 +k=1 +x_0=500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

EPSG 2342, Xian 1980 / Gauss-Kruger CM 99E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Xian 1980 / [6-degree] Gauss-Kruger zone 17 (code 2331).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=99 +k=1 +x_0=500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

EPSG 2343, Xian 1980 / Gauss-Kruger CM 105E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Xian 1980 / [6-degree] Gauss-Kruger zone 18 (code

2332).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=105 +k=1 +x_0=500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

EPSG 2344, Xian 1980 / Gauss-Kruger CM 111E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Xian 1980 / [6-degree] Gauss-Kruger zone 19 (code 2333).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=111 +k=1 +x_0=500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

EPSG 2345, Xian 1980 / Gauss-Kruger CM 117E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Xian 1980 / [6-degree] Gauss-Kruger zone 20 (code 2334).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=117 +k=1 +x_0=500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

EPSG 2346, Xian 1980 / Gauss-Kruger CM 123E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Xian 1980 / [6-degree] Gauss-Kruger zone 21 (code 2335).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=123 +k=1 +x_0=500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

EPSG 2347, Xian 1980 / Gauss-Kruger CM 129E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Xian 1980 / [6-degree] Gauss-Kruger zone 22 (code 2336).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=129 +k=1 +x_0=500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

EPSG 2348, Xian 1980 / Gauss-Kruger CM 135E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Xian 1980 / [6-degree] Gauss-Kruger zone 23 (code 2337).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=135 +k=1 +x_0=500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

EPSG 2349, Xian 1980 / 3-degree Gauss-Kruger zone 25

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Xian 1980 / 3-degree Gauss-Kruger CM 75E (code 2370).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=75 +k=1 +x_0=25500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

EPSG 2350, Xian 1980 / 3-degree Gauss-Kruger zone 26

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Xian 1980 / 3-degree Gauss-Kruger CM 78E (code 2371).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=78 +k=1 +x_0=26500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

EPSG 2351, Xian 1980 / 3-degree Gauss-Kruger zone 27

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Xian 1980 / 3-degree Gauss-Kruger CM 81E (code 2372).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=81 +k=1 +x_0=27500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

EPSG 2352, Xian 1980 / 3-degree Gauss-Kruger zone 28

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Xian 1980 / 3-degree Gauss-Kruger CM 84E (code 2373).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=84 +k=1 +x_0=28500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

EPSG 2353, Xian 1980 / 3-degree Gauss-Kruger zone 29

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Xian 1980 / 3-degree Gauss-Kruger CM 87E (code 2374).

Source: OGP

Revision: 22.06.2002

Proj4 `+proj=tmerc +lat_0=0 +lon_0=87 +k=1 +x_0=29500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

definition:

EPSG 2354, Xian 1980 / 3-degree Gauss-Kruger zone 30

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Xian 1980 / 3-degree Gauss-Kruger CM 90E (code 2375).

Source: OGP

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=90 +k=1 +x_0=30500000 +y_0=0
+a=6378140 +b=6356755.288157528 +units=m +no_defs
```

EPSG 2355, Xian 1980 / 3-degree Gauss-Kruger zone 31

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Xian 1980 / 3-degree Gauss-Kruger CM 93E (code 2376).

Source: OGP

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=93 +k=1 +x_0=31500000 +y_0=0
+a=6378140 +b=6356755.288157528 +units=m +no_defs
```

EPSG 2356, Xian 1980 / 3-degree Gauss-Kruger zone 32

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Xian 1980 / 3-degree Gauss-Kruger CM 96E (code 2377).

Source: OGP

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=96 +k=1 +x_0=32500000 +y_0=0
+a=6378140 +b=6356755.288157528 +units=m +no_defs
```

EPSG 2357, Xian 1980 / 3-degree Gauss-Kruger zone 33

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Xian 1980 / 3-degree Gauss-Kruger CM 99E (code 2378).

Source: OGP

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=99 +k=1 +x_0=33500000 +y_0=0
+a=6378140 +b=6356755.288157528 +units=m +no_defs
```

EPSG 2358, Xian 1980 / 3-degree Gauss-Kruger zone 34

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Xian 1980 / 3-degree Gauss-Kruger CM 102E (code 2379).

Source: OGP

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=102 +k=1 +x_0=34500000 +y_0=0
+a=6378140 +b=6356755.288157528 +units=m +no_defs
```

EPSG 2359, Xian 1980 / 3-degree Gauss-Kruger zone 35

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Xian 1980 / 3-degree Gauss-Kruger CM 105E (code 2380).

Source: OGP

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=105 +k=1 +x_0=35500000 +y_0=0
+a=6378140 +b=6356755.288157528 +units=m +no_defs
```

EPSG 2360, Xian 1980 / 3-degree Gauss-Kruger zone 36

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Xian 1980 / 3-degree Gauss-Kruger CM 108E (code 2381).

Source: OGP

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=108 +k=1 +x_0=36500000 +y_0=0
+a=6378140 +b=6356755.288157528 +units=m +no_defs
```

EPSG 2361, Xian 1980 / 3-degree Gauss-Kruger zone 37

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Xian 1980 / 3-degree Gauss-Kruger CM 111E (code 2382).

Source: OGP

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=111 +k=1 +x_0=37500000 +y_0=0
+a=6378140 +b=6356755.288157528 +units=m +no_defs
```

EPSG 2362, Xian 1980 / 3-degree Gauss-Kruger zone 38

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Xian 1980 / 3-degree Gauss-Kruger CM 114E (code 2383).

Source: OGP

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=114 +k=1 +x_0=38500000 +y_0=0
+a=6378140 +b=6356755.288157528 +units=m +no_defs
```

EPSG 2363, Xian 1980 / 3-degree Gauss-Kruger zone 39

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Xian 1980 / 3-degree Gauss-Kruger CM 117E (code 2384).

Source: OGP

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=117 +k=1 +x_0=39500000 +y_0=0
+a=6378140 +b=6356755.288157528 +units=m +no_defs
```

EPSG 2364, Xian 1980 / 3-degree Gauss-Kruger zone 40

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Xian 1980 / 3-degree Gauss-

Kruger CM 123E (code 2385).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=120 +k=1 +x_0=40500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

EPSG 2365, Xian 1980 / 3-degree Gauss-Kruger zone 41

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Xian 1980 / 3-degree Gauss-Kruger CM 123E (code 2386).

Source: OGP

Revision: 24.11.2009

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=123 +k=1 +x_0=41500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

EPSG 2366, Xian 1980 / 3-degree Gauss-Kruger zone 42

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Xian 1980 / 3-degree Gauss-Kruger CM 126E (code 2387).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=126 +k=1 +x_0=42500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

EPSG 2367, Xian 1980 / 3-degree Gauss-Kruger zone 43

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Xian 1980 / 3-degree Gauss-Kruger CM 129E (code 2388).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=129 +k=1 +x_0=43500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

EPSG 2368, Xian 1980 / 3-degree Gauss-Kruger zone 44

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Xian 1980 / 3-degree Gauss-Kruger CM 132E (code 2389).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=132 +k=1 +x_0=44500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

EPSG 2369, Xian 1980 / 3-degree Gauss-Kruger zone 45

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Xian 1980 / 3-degree Gauss-Kruger CM 135E (code 2390).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=135 +k=1 +x_0=45500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

EPSG 2370, Xian 1980 / 3-degree Gauss-Kruger CM 75E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Xian 1980 / 3-degree Gauss-Kruger zone 25 (code 2349).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=75 +k=1 +x_0=500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

EPSG 2371, Xian 1980 / 3-degree Gauss-Kruger CM 78E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Xian 1980 / 3-degree Gauss-Kruger zone 26 (code 2350).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=78 +k=1 +x_0=500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

EPSG 2372, Xian 1980 / 3-degree Gauss-Kruger CM 81E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Xian 1980 / 3-degree Gauss-Kruger zone 27 (code 2351).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=81 +k=1 +x_0=500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

EPSG 2373, Xian 1980 / 3-degree Gauss-Kruger CM 84E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Xian 1980 / 3-degree Gauss-Kruger zone 28 (code 2352).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=84 +k=1 +x_0=500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

EPSG 2374, Xian 1980 / 3-degree Gauss-Kruger CM 87E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Xian 1980 / 3-degree Gauss-Kruger zone 29 (code 2353).

Source: OGP

Revision: 22.07.2006

Proj4 `+proj=tmerc +lat_0=0 +lon_0=87 +k=1 +x_0=500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

definition:

EPSG 2375, Xian 1980 / 3-degree Gauss-Kruger CM 90E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Xian 1980 / 3-degree Gauss-Kruger zone 30 (code 2354).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=90 +k=1 +x_0=500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

EPSG 2376, Xian 1980 / 3-degree Gauss-Kruger CM 93E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Xian 1980 / 3-degree Gauss-Kruger zone 31 (code 2355).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=93 +k=1 +x_0=500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

EPSG 2377, Xian 1980 / 3-degree Gauss-Kruger CM 96E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Xian 1980 / 3-degree Gauss-Kruger zone 32 (code 2356).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=96 +k=1 +x_0=500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

EPSG 2378, Xian 1980 / 3-degree Gauss-Kruger CM 99E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Xian 1980 / 3-degree Gauss-Kruger zone 33 (code 2357).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=99 +k=1 +x_0=500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

EPSG 2379, Xian 1980 / 3-degree Gauss-Kruger CM 102E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Xian 1980 / 3-degree Gauss-Kruger zone 34 (code 2358).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=102 +k=1 +x_0=500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

EPSG 2380, Xian 1980 / 3-degree Gauss-Kruger CM 105E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Xian 1980 / 3-degree Gauss-Kruger zone 35 (code 2359).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=105 +k=1 +x_0=500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

EPSG 2381, Xian 1980 / 3-degree Gauss-Kruger CM 108E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Xian 1980 / 3-degree Gauss-Kruger zone 36 (code 2360).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=108 +k=1 +x_0=500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

EPSG 2382, Xian 1980 / 3-degree Gauss-Kruger CM 111E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Xian 1980 / 3-degree Gauss-Kruger zone 37 (code 2361).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=111 +k=1 +x_0=500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

EPSG 2383, Xian 1980 / 3-degree Gauss-Kruger CM 114E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Xian 1980 / 3-degree Gauss-Kruger zone 38 (code 2362).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=114 +k=1 +x_0=500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

EPSG 2384, Xian 1980 / 3-degree Gauss-Kruger CM 117E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Xian 1980 / 3-degree Gauss-Kruger zone 39 (code 2363).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=117 +k=1 +x_0=500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

EPSG 2385, Xian 1980 / 3-degree Gauss-Kruger CM 120E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Xian 1980 / 3-degree Gauss-Kruger zone 40 (code

2364).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=120 +k=1 +x_0=500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

EPSG 2386, Xian 1980 / 3-degree Gauss-Kruger CM 123E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Xian 1980 / 3-degree Gauss-Kruger zone 41 (code 2365).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=123 +k=1 +x_0=500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

EPSG 2387, Xian 1980 / 3-degree Gauss-Kruger CM 126E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Xian 1980 / 3-degree Gauss-Kruger zone 42 (code 2366).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=126 +k=1 +x_0=500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

EPSG 2388, Xian 1980 / 3-degree Gauss-Kruger CM 129E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Xian 1980 / 3-degree Gauss-Kruger zone 43 (code 2367).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=129 +k=1 +x_0=500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

EPSG 2389, Xian 1980 / 3-degree Gauss-Kruger CM 132E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Xian 1980 / 3-degree Gauss-Kruger zone 44 (code 2368).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=132 +k=1 +x_0=500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

EPSG 2390, Xian 1980 / 3-degree Gauss-Kruger CM 135E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Xian 1980 / 3-degree Gauss-Kruger zone 45 (code 2369).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=135 +k=1 +x_0=500000 +y_0=0 +a=6378140 +b=6356755.288157528 +units=m +no_defs`

EPSG 2391, KKJ / Finland zone 1

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: National Land Survey of Finland; http://www.maanmittauslaitos.fi

Revision: 31.03.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=21 +k=1 +x_0=1500000 +y_0=0 +ellps=intl +units=m +no_defs`

EPSG 2392, KKJ / Finland zone 2

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: National Land Survey of Finland; http://www.maanmittauslaitos.fi

Revision: 22.07.1997

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=24 +k=1 +x_0=2500000 +y_0=0 +ellps=intl +units=m +no_defs`

EPSG 2393, KKJ / Finland Uniform Coordinate System

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Known as Uniform Coordinate System (YKJ) when used over all country and also as Basic Coordinate System zone 3 at larger scales.

Source: National Land Survey of Finland; http://www.maanmittauslaitos.fi

Revision: 02.05.2010

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=27 +k=1 +x_0=3500000 +y_0=0 +ellps=intl +units=m +no_defs`

EPSG 2394, KKJ / Finland zone 4

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: National Land Survey of Finland; http://www.maanmittauslaitos.fi

Revision: 31.03.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=30 +k=1 +x_0=4500000 +y_0=0 +ellps=intl +units=m +no_defs`

EPSG 2395, South Yemen / Gauss-Kruger zone 8

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: IGN Paris

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=45 +k=1 +x_0=8500000 +y_0=0 +ellps=krass +towgs84=-76,-138,67,0,0,0,0 +units=m +no_defs`

EPSG 2396, South Yemen / Gauss-Kruger zone 9

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: IGN Paris

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=51 +k=1 +x_0=9500000 +y_0=0 +ellps=krass +towgs84=-76,-138,67,0,0,0,0 +units=m +no_defs`

EPSG 2397, Pulkovo 1942(83) / 3-degree Gauss-Kruger zone 3

Scope: Military large scale (1/5000 and larger) topographic mapping.

Remarks: Replaces Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 5 (CRS code 3837). In Thuringen replaced by PD/83 / Gauss Kruger zone 3. See CRS code 5673 for variant with axes order reversed to easting before northing for use in GIS applications.

Source: EuroGeographics; http://crs.bkg.bund.de/crs-eu/

Revision: 21.01.2012

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=9 +k=1 +x_0=3500000 +y_0=0 +ellps=krass +towgs84=24,-123,-94,0.02,-0.25,-0.13,1.1 +units=m +no_defs`

EPSG 2398, Pulkovo 1942(83) / 3-degree Gauss-Kruger zone 4

Scope: Military large scale (1/5000 and larger) topographic mapping.

Remarks: Replaces Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 5 (CRS code 3838). In Brandenburg replaced by ETRS89 / UTM zone 33N. In Sachsen replaced by CRS 3398. In Thuringen replaced by CRS 3397. See CRS code 5674 for variant with axes order reversed.

Source: Bundesamt für Kartographie und Geodäsie via EuroGeographics; http://crs.bkg.bund.de/crs-eu/

Revision: 21.01.2012

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=12 +k=1 +x_0=4500000 +y_0=0 +ellps=krass +towgs84=24,-123,-94,0.02,-0.25,-0.13,1.1 +units=m +no_defs`

EPSG 2399, Pulkovo 1942(83) / 3-degree Gauss-Kruger zone 5

Scope: Military large scale (1/5000 and larger) topographic mapping.

Remarks: Replaces Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 5 (CRS code 3329). In Brandenburg replaced by ETRS89 / UTM zone 33N. In Sachsen replaced by RD/83 / Gauss Kruger zone 5. See CRS code 5675 for variant with axes order reversed.

Source: Bundesamt für Kartographie und Geodäsie via EuroGeographics; http://crs.bkg.bund.de/crs-eu/

Revision: 21.01.2012

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=15 +k=1 +x_0=5500000 +y_0=0 +ellps=krass +towgs84=24,-123,-94,0.02,-0.25,-0.13,1.1 +units=m +no_defs`

EPSG 2401, Beijing 1954 / 3-degree Gauss-Kruger zone 25

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Beijing 1954 / 3-degree Gauss-Kruger CM 75E (code 2422). Replaced by Xian 1980 / 3-degree Gauss-Kruger zone 25 (code 2349).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=75 +k=1 +x_0=25500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2402, Beijing 1954 / 3-degree Gauss-Kruger zone 26

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Beijing 1954 / 3-degree Gauss-Kruger CM 78E (code 2423). Replaced by Xian 1980 / 3-degree Gauss-Kruger zone 26 (code 2350).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=78 +k=1 +x_0=26500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2403, Beijing 1954 / 3-degree Gauss-Kruger zone 27

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Beijing 1954 / 3-degree Gauss-Kruger CM 81E (code 2424). Replaced by Xian 1980 / 3-degree Gauss-Kruger zone 27 (code 2351).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=81 +k=1 +x_0=27500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2404, Beijing 1954 / 3-degree Gauss-Kruger zone 28

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Beijing 1954 / 3-degree Gauss-Kruger CM 84E (code 2425). Replaced by Xian 1980 / 3-degree Gauss-Kruger zone 28 (code 2352).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=84 +k=1 +x_0=28500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2405, Beijing 1954 / 3-degree Gauss-Kruger zone 29

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Beijing 1954 / 3-degree Gauss-Kruger CM 87E (code 2426). Replaced by Xian 1980 / 3-degree Gauss-Kruger zone 29 (code 2353).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=87 +k=1 +x_0=29500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2406, Beijing 1954 / 3-degree Gauss-Kruger zone 30

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Beijing 1954 / 3-degree Gauss-Kruger CM 90E (code 2427). Replaced by Xian 1980 / 3-degree

Gauss-Kruger zone 30 (code 2354).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=90 +k=1 +x_0=30500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2407, Beijing 1954 / 3-degree Gauss-Kruger zone 31

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Beijing 1954 / 3-degree Gauss-Kruger CM 93E (code 2428). Replaced by Xian 1980 / 3-degree Gauss-Kruger zone 31 (code 2355).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=93 +k=1 +x_0=31500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2408, Beijing 1954 / 3-degree Gauss-Kruger zone 32

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Beijing 1954 / 3-degree Gauss-Kruger CM 96E (code 2429). Replaced by Xian 1980 / 3-degree Gauss-Kruger zone 32 (code 2356).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=96 +k=1 +x_0=32500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2409, Beijing 1954 / 3-degree Gauss-Kruger zone 33

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Beijing 1954 / 3-degree Gauss-Kruger CM 99E (code 2430). Replaced by Xian 1980 / 3-degree Gauss-Kruger zone 33 (code 2357).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=99 +k=1 +x_0=33500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2410, Beijing 1954 / 3-degree Gauss-Kruger zone 34

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Beijing 1954 / 3-degree Gauss-Kruger CM 102E (code 2431). Replaced by Xian 1980 / 3-degree Gauss-Kruger zone 34 (code 2358).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=102 +k=1 +x_0=34500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2411, Beijing 1954 / 3-degree Gauss-Kruger zone 35

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Beijing 1954 / 3-degree Gauss-Kruger CM 105E (code 2432). Replaced by Xian 1980 / 3-degree Gauss-Kruger zone 35 (code 2359).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=105 +k=1 +x_0=35500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2412, Beijing 1954 / 3-degree Gauss-Kruger zone 36

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Beijing 1954 / 3-degree Gauss-Kruger CM 108E (code 2433). Replaced by Xian 1980 / 3-degree Gauss-Kruger zone 36 (code 2360).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=108 +k=1 +x_0=36500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2413, Beijing 1954 / 3-degree Gauss-Kruger zone 37

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Beijing 1954 / 3-degree Gauss-Kruger CM 111E (code 2434). Replaced by Xian 1980 / 3-degree Gauss-Kruger zone 37 (code 2361).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=111 +k=1 +x_0=37500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2414, Beijing 1954 / 3-degree Gauss-Kruger zone 38

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Beijing 1954 / 3-degree Gauss-Kruger CM 114E (code 2435). Replaced by Xian 1980 / 3-degree Gauss-Kruger zone 38 (code 2362).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=114 +k=1 +x_0=38500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2415, Beijing 1954 / 3-degree Gauss-Kruger zone 39

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Beijing 1954 / 3-degree Gauss-Kruger CM 117E (code 2436). Replaced by Xian 1980 / 3-degree Gauss-Kruger zone 39 (code 2363).

Source: OGP

Revision: 22.06.2002

Proj4 `+proj=tmerc +lat_0=0 +lon_0=117 +k=1 +x_0=39500000 +y_0=0 +ellps=krass +units=m +no_defs`

definition:

EPSG 2416, Beijing 1954 / 3-degree Gauss-Kruger zone 40

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Beijing 1954 / 3-degree Gauss-Kruger CM 120E (code 2437). Replaced by Xian 1980 / 3-degree Gauss-Kruger zone 40 (code 2364).

Source: OGP

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=120 +k=1 +x_0=40500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2417, Beijing 1954 / 3-degree Gauss-Kruger zone 41

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Beijing 1954 / 3-degree Gauss-Kruger CM 123E (code 2438). Replaced by Xian 1980 / 3-degree Gauss-Kruger zone 41 (code 2365).

Source: OGP

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=123 +k=1 +x_0=41500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2418, Beijing 1954 / 3-degree Gauss-Kruger zone 42

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Beijing 1954 / 3-degree Gauss-Kruger CM 126E (code 2439). Replaced by Xian 1980 / 3-degree Gauss-Kruger zone 42 (code 2366).

Source: OGP

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=126 +k=1 +x_0=42500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2419, Beijing 1954 / 3-degree Gauss-Kruger zone 43

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Beijing 1954 / 3-degree Gauss-Kruger CM 129E (code 2440). Replaced by Xian 1980 / 3-degree Gauss-Kruger zone 43 (code 2367).

Source: OGP

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=129 +k=1 +x_0=43500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2420, Beijing 1954 / 3-degree Gauss-Kruger zone 44

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Beijing 1954 / 3-degree Gauss-Kruger CM 132E (code 2441). Replaced by Xian 1980 / 3-degree Gauss-Kruger zone 44 (code 2368).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=132 +k=1 +x_0=44500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2421, Beijing 1954 / 3-degree Gauss-Kruger zone 45

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Beijing 1954 / 3-degree Gauss-Kruger CM 135E (code 2442). Replaced by Xian 1980 / 3-degree Gauss-Kruger zone 45 (code 2369).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=135 +k=1 +x_0=45500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2422, Beijing 1954 / 3-degree Gauss-Kruger CM 75E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Beijing 1954 / 3-degree Gauss-Kruger zone 25 (code 2401). Replaced by Xian 1980 / 3-degree Gauss-Kruger CM 75E (code 2370).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=75 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2423, Beijing 1954 / 3-degree Gauss-Kruger CM 78E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Beijing 1954 / 3-degree Gauss-Kruger zone 26 (code 2402). Replaced by Xian 1980 / 3-degree Gauss-Kruger CM 78E (code 2371).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=78 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2424, Beijing 1954 / 3-degree Gauss-Kruger CM 81E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Beijing 1954 / 3-degree Gauss-Kruger zone 27 (code 2403). Replaced by Xian 1980 / 3-degree Gauss-Kruger CM 81E (code 2372).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=81 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2425, Beijing 1954 / 3-degree Gauss-Kruger CM 84E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Beijing 1954 / 3-degree Gauss-Kruger zone 28 (code

2404). Replaced by Xian 1980 / 3-degree Gauss-Kruger CM 84E (code 2373).

Source: OGP

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=84 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2426, Beijing 1954 / 3-degree Gauss-Kruger CM 87E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Beijing 1954 / 3-degree Gauss-Kruger zone 29 (code 2405). Replaced by Xian 1980 / 3-degree Gauss-Kruger CM 87E (code 2374).

Source: OGP

Revision: 22.07.2006

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=87 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2427, Beijing 1954 / 3-degree Gauss-Kruger CM 90E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Beijing 1954 / 3-degree Gauss-Kruger zone 30 (code 2406). Replaced by Xian 1980 / 3-degree Gauss-Kruger CM 90E (code 2375).

Source: OGP

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=90 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2428, Beijing 1954 / 3-degree Gauss-Kruger CM 93E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Beijing 1954 / 3-degree Gauss-Kruger zone 31 (code 2407). Replaced by Xian 1980 / 3-degree Gauss-Kruger CM 93E (code 2376).

Source: OGP

Revision: 22.07.2006

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=93 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2429, Beijing 1954 / 3-degree Gauss-Kruger CM 96E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Beijing 1954 / 3-degree Gauss-Kruger zone 32 (code 2408). Replaced by Xian 1980 / 3-degree Gauss-Kruger CM 96E (code 2377).

Source: OGP

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=96 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2430, Beijing 1954 / 3-degree Gauss-Kruger CM 99E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Beijing 1954 / 3-degree Gauss-Kruger zone 33 (code 2409). Replaced by Xian 1980 / 3-degree Gauss-Kruger CM 99E (code 2378).

Source: OGP

Revision: 22.07.2006

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=99 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2431, Beijing 1954 / 3-degree Gauss-Kruger CM 102E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Beijing 1954 / 3-degree Gauss-Kruger zone 45 (code 2421). Replaced by Xian 1980 / 3-degree Gauss-Kruger CM 102E (code 2379).

Source: OGP

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=102 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2432, Beijing 1954 / 3-degree Gauss-Kruger CM 105E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Beijing 1954 / 3-degree Gauss-Kruger zone 35 (code 2411). Replaced by Xian 1980 / 3-degree Gauss-Kruger CM 105E (code 2380).

Source: OGP

Revision: 22.07.2006

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=105 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2433, Beijing 1954 / 3-degree Gauss-Kruger CM 108E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Beijing 1954 / 3-degree Gauss-Kruger zone 36 (code 2412). Replaced by Xian 1980 / 3-degree Gauss-Kruger CM 108E (code 2381).

Source: OGP

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=108 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2434, Beijing 1954 / 3-degree Gauss-Kruger CM 111E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Beijing 1954 / 3-degree Gauss-Kruger zone 37 (code 2413). Replaced by Xian 1980 / 3-degree Gauss-Kruger CM 111E (code 2382).

Source: OGP

Revision: 22.07.2006

Proj4
```
+proj=tmerc +lat_0=0 +lon_0=111 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

definition:

EPSG 2435, Beijing 1954 / 3-degree Gauss-Kruger CM 114E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Beijing 1954 / 3-degree Gauss-Kruger zone 38 (code 2414). Replaced by Xian 1980 / 3-degree Gauss-Kruger CM 114E (code 2383).

Source: OGP

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=114 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2436, Beijing 1954 / 3-degree Gauss-Kruger CM 117E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Beijing 1954 / 3-degree Gauss-Kruger zone 39 (code 2415). Replaced by Xian 1980 / 3-degree Gauss-Kruger CM 117E (code 2384).

Source: OGP

Revision: 22.07.2006

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=117 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2437, Beijing 1954 / 3-degree Gauss-Kruger CM 120E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Beijing 1954 / 3-degree Gauss-Kruger zone 40 (code 2416). Replaced by Xian 1980 / 3-degree Gauss-Kruger CM 120E (code 2385).

Source: OGP

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=120 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2438, Beijing 1954 / 3-degree Gauss-Kruger CM 123E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Beijing 1954 / 3-degree Gauss-Kruger zone 41 (code 2417). Replaced by Xian 1980 / 3-degree Gauss-Kruger CM 123E (code 2386).

Source: OGP

Revision: 22.07.2006

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=123 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2439, Beijing 1954 / 3-degree Gauss-Kruger CM 126E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Beijing 1954 / 3-degree Gauss-Kruger zone 42 (code 2418). Replaced by Xian 1980 / 3-degree Gauss-Kruger CM 126E (code 2387).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=126 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2440, Beijing 1954 / 3-degree Gauss-Kruger CM 129E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Beijing 1954 / 3-degree Gauss-Kruger zone 43 (code 2419). Replaced by Xian 1980 / 3-degree Gauss-Kruger CM 129E (code 2388).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=129 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2441, Beijing 1954 / 3-degree Gauss-Kruger CM 132E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Beijing 1954 / 3-degree Gauss-Kruger zone 44 (code 2420). Replaced by Xian 1980 / 3-degree Gauss-Kruger CM 132E (code 2389).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=132 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2442, Beijing 1954 / 3-degree Gauss-Kruger CM 135E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Beijing 1954 / 3-degree Gauss-Kruger zone 45 (code 2421). Replaced by Xian 1980 / 3-degree Gauss-Kruger CM 135E (code 2390).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=135 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2443, JGD2000 / Japan Plane Rectangular CS I

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks: Replaces Tokyo / Japan Plane Rectangular CS I (code 30161).

Source: Geographic Survey Institute; Japan. http://vldb.gsi.go.jp/sokuchi/datum/tokyodatum.html

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=33 +lon_0=129.5 +k=0.9999 +x_0=0 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 2444, JGD2000 / Japan Plane Rectangular CS II

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks: Replaces Tokyo / Japan Plane Rectangular CS II (code 30162).

Source: Geographic Survey Institute; Japan.
http://vldb.gsi.go.jp/sokuchi/datum/tokyodatum.html

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=33 +lon_0=131 +k=0.9999 +x_0=0 +y_0=0
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 2445, JGD2000 / Japan Plane Rectangular CS III

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks: Replaces Tokyo / Japan Plane Rectangular CS III (code 30163).

Source: Geographic Survey Institute; Japan.
http://vldb.gsi.go.jp/sokuchi/datum/tokyodatum.html

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=36 +lon_0=132.1666666666667 +k=0.9999 +x_0=0
+y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 2446, JGD2000 / Japan Plane Rectangular CS IV

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks: Replaces Tokyo / Japan Plane Rectangular CS IV (code 30164).

Source: Geographic Survey Institute; Japan.
http://vldb.gsi.go.jp/sokuchi/datum/tokyodatum.html

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=33 +lon_0=133.5 +k=0.9999 +x_0=0 +y_0=0
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 2447, JGD2000 / Japan Plane Rectangular CS V

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks: Replaces Tokyo / Japan Plane Rectangular CS V (code 30165).

Source: Geographic Survey Institute; Japan.
http://vldb.gsi.go.jp/sokuchi/datum/tokyodatum.html

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=36 +lon_0=134.3333333333333 +k=0.9999 +x_0=0
+y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 2448, JGD2000 / Japan Plane Rectangular CS VI

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks: Replaces Tokyo / Japan Plane Rectangular CS VI (code 30166).

Source: Geographic Survey Institute; Japan.
http://vldb.gsi.go.jp/sokuchi/datum/tokyodatum.html

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=36 +lon_0=136 +k=0.9999 +x_0=0 +y_0=0
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 2449, JGD2000 / Japan Plane Rectangular CS VII

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks: Replaces Tokyo / Japan Plane Rectangular CS VII (code 30167).

Source: Geographic Survey Institute; Japan. http://vldb.gsi.go.jp/sokuchi/datum/tokyodatum.html

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=36 +lon_0=137.1666666666667 +k=0.9999 +x_0=0
+y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 2450, JGD2000 / Japan Plane Rectangular CS VIII

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks: Replaces Tokyo / Japan Plane Rectangular CS VIII (code 30168).

Source: Geographic Survey Institute; Japan. http://vldb.gsi.go.jp/sokuchi/datum/tokyodatum.html

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=36 +lon_0=138.5 +k=0.9999 +x_0=0 +y_0=0
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 2451, JGD2000 / Japan Plane Rectangular CS IX

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks: Replaces Tokyo / Japan Plane Rectangular CS IX (code 30169).

Source: Geographic Survey Institute; Japan. http://vldb.gsi.go.jp/sokuchi/datum/tokyodatum.html

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=36 +lon_0=139.8333333333333 +k=0.9999 +x_0=0
+y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 2452, JGD2000 / Japan Plane Rectangular CS X

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks: Replaces Tokyo / Japan Plane Rectangular CS X (code 30170).

Source: Geographic Survey Institute; Japan. http://vldb.gsi.go.jp/sokuchi/datum/tokyodatum.html

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=40 +lon_0=140.8333333333333 +k=0.9999 +x_0=0
+y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 2453, JGD2000 / Japan Plane Rectangular CS XI

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks: Replaces Tokyo / Japan Plane Rectangular CS XI (code 30171).

Source: Geographic Survey Institute; Japan. http://vldb.gsi.go.jp/sokuchi/datum/tokyodatum.html

Revision: 22.06.2002

Proj4
```
+proj=tmerc +lat_0=44 +lon_0=140.25 +k=0.9999 +x_0=0 +y_0=0
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

definition:

EPSG 2454, JGD2000 / Japan Plane Rectangular CS XII

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks: Replaces Tokyo / Japan Plane Rectangular CS XII (code 30172).

Source: Geographic Survey Institute; Japan. http://vldb.gsi.go.jp/sokuchi/datum/tokyodatum.html

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=44 +lon_0=142.25 +k=0.9999 +x_0=0 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 2455, JGD2000 / Japan Plane Rectangular CS XIII

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks: Replaces Tokyo / Japan Plane Rectangular CS XIII (code 30173).

Source: Geographic Survey Institute; Japan. http://vldb.gsi.go.jp/sokuchi/datum/tokyodatum.html

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=44 +lon_0=144.25 +k=0.9999 +x_0=0 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 2456, JGD2000 / Japan Plane Rectangular CS XIV

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks: Replaces Tokyo / Japan Plane Rectangular CS XIV (code 30174).

Source: Geographic Survey Institute; Japan. http://vldb.gsi.go.jp/sokuchi/datum/tokyodatum.html

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=26 +lon_0=142 +k=0.9999 +x_0=0 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 2457, JGD2000 / Japan Plane Rectangular CS XV

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks: Replaces Tokyo / Japan Plane Rectangular CS XV (code 30175).

Source: Geographic Survey Institute; Japan. http://vldb.gsi.go.jp/sokuchi/datum/tokyodatum.html

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=26 +lon_0=127.5 +k=0.9999 +x_0=0 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 2458, JGD2000 / Japan Plane Rectangular CS XVI

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks: Replaces Tokyo / Japan Plane Rectangular CS XVI (code 30176).

Source: Geographic Survey Institute; Japan.

http://vldb.gsi.go.jp/sokuchi/datum/tokyodatum.html

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=26 +lon_0=124 +k=0.9999 +x_0=0 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 2459, JGD2000 / Japan Plane Rectangular CS XVII

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks: Replaces Tokyo / Japan Plane Rectangular CS XVII (code 30177).

Source: Geographic Survey Institute; Japan. http://vldb.gsi.go.jp/sokuchi/datum/tokyodatum.html

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=26 +lon_0=131 +k=0.9999 +x_0=0 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 2460, JGD2000 / Japan Plane Rectangular CS XVIII

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks: Replaces Tokyo / Japan Plane Rectangular CS XVIII (code 30178).

Source: Geographic Survey Institute; Japan. http://vldb.gsi.go.jp/sokuchi/datum/tokyodatum.html

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=20 +lon_0=136 +k=0.9999 +x_0=0 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 2461, JGD2000 / Japan Plane Rectangular CS XIX

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks: Replaces Tokyo / Japan Plane Rectangular CS XIX (code 30179).

Source: Geographic Survey Institute; Japan. http://vldb.gsi.go.jp/sokuchi/datum/tokyodatum.html

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=26 +lon_0=154 +k=0.9999 +x_0=0 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 2462, Albanian 1987 / Gauss-Kruger zone 4

Scope: Large and medium scale topographic mapping and engineering survey, cadastral survey.

Remarks:

Source: EuroGeographics; http://crs.bkg.bund.de/crs-eu/

Revision: 20.07.2011

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=21 +k=1 +x_0=4500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2463, Pulkovo 1995 / Gauss-Kruger CM 21E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Pulkovo 1995 / Gauss-Kruger zone 4 (code 20004).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal

Geodetic Service of Russia; 1994

Revision: 12.09.1996

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=21 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2464, Pulkovo 1995 / Gauss-Kruger CM 27E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Pulkovo 1995 / Gauss-Kruger zone 5 (code 20005).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=27 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2465, Pulkovo 1995 / Gauss-Kruger CM 33E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Pulkovo 1995 / Gauss-Kruger zone 6 (code 20006).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=33 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2466, Pulkovo 1995 / Gauss-Kruger CM 39E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Pulkovo 1995 / Gauss-Kruger zone 7 (code 20007).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=39 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2467, Pulkovo 1995 / Gauss-Kruger CM 45E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Pulkovo 1995 / Gauss-Kruger zone 8 (code 20008).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=45 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2468, Pulkovo 1995 / Gauss-Kruger CM 51E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Pulkovo 1995 / Gauss-Kruger zone 9 (code 20009).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=51 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2469, Pulkovo 1995 / Gauss-Kruger CM 57E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Pulkovo 1995 / Gauss-Kruger zone 10 (code 20010).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=57 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2470, Pulkovo 1995 / Gauss-Kruger CM 63E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Pulkovo 1995 / Gauss-Kruger zone 11 (code 20011).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=63 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2471, Pulkovo 1995 / Gauss-Kruger CM 69E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Pulkovo 1995 / Gauss-Kruger zone 12 (code 20012).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=69 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2472, Pulkovo 1995 / Gauss-Kruger CM 75E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Pulkovo 1995 / Gauss-Kruger zone 13 (code 20013).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=75 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2473, Pulkovo 1995 / Gauss-Kruger CM 81E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Pulkovo 1995 / Gauss-Kruger zone 14 (code 20014).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=81 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2474, Pulkovo 1995 / Gauss-Kruger CM 87E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Pulkovo 1995 / Gauss-Kruger zone 15 (code 20015).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=87 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2475, Pulkovo 1995 / Gauss-Kruger CM 93E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Pulkovo 1995 / Gauss-Kruger zone 16 (code 20016).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=93 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2476, Pulkovo 1995 / Gauss-Kruger CM 99E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Pulkovo 1995 / Gauss-Kruger zone 17 (code 20017).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=99 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2477, Pulkovo 1995 / Gauss-Kruger CM 105E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Pulkovo 1995 / Gauss-Kruger zone 18 (code 20018).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=105 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2478, Pulkovo 1995 / Gauss-Kruger CM 111E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Pulkovo 1995 / Gauss-Kruger zone 19 (code 20019).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=111 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2479, Pulkovo 1995 / Gauss-Kruger CM 117E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Pulkovo 1995 / Gauss-Kruger zone 20 (code 20020).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=117 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2480, Pulkovo 1995 / Gauss-Kruger CM 123E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Pulkovo 1995 / Gauss-Kruger zone 21 (code 20021).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=123 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2481, Pulkovo 1995 / Gauss-Kruger CM 129E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Pulkovo 1995 / Gauss-Kruger zone 22 (code 20022).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=129 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2482, Pulkovo 1995 / Gauss-Kruger CM 135E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Pulkovo 1995 / Gauss-Kruger zone 23 (code 20023).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=135 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2483, Pulkovo 1995 / Gauss-Kruger CM 141E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Pulkovo 1995 / Gauss-Kruger zone 24 (code 20024).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=141 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2484, Pulkovo 1995 / Gauss-Kruger CM 147E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Pulkovo 1995 / Gauss-Kruger zone 25 (code 20025).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal

Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=147 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2485, Pulkovo 1995 / Gauss-Kruger CM 153E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Pulkovo 1995 / Gauss-Kruger zone 26 (code 20026).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=153 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2486, Pulkovo 1995 / Gauss-Kruger CM 159E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Pulkovo 1995 / Gauss-Kruger zone 27 (code 20027).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=159 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2487, Pulkovo 1995 / Gauss-Kruger CM 165E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Pulkovo 1995 / Gauss-Kruger zone 28 (code 20028).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=165 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2488, Pulkovo 1995 / Gauss-Kruger CM 171E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Pulkovo 1995 / Gauss-Kruger zone 29 (code 20029).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=171 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2489, Pulkovo 1995 / Gauss-Kruger CM 177E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Pulkovo 1995 / Gauss-Kruger zone 30 (code 20030).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=177 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2490, Pulkovo 1995 / Gauss-Kruger CM 177W

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Pulkovo 1995 / Gauss-Kruger zone 31 (code 20031).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-177 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2491, Pulkovo 1995 / Gauss-Kruger CM 171W

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Pulkovo 1995 / Gauss-Kruger zone 32 (code 20032).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-171 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2494, Pulkovo 1942 / Gauss-Kruger CM 21E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Pulkovo 1942 / Gauss-Kruger zone 4 (code 28404).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=21 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2495, Pulkovo 1942 / Gauss-Kruger CM 27E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Pulkovo 1942 / Gauss-Kruger zone 5 (code 28405).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=27 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2496, Pulkovo 1942 / Gauss-Kruger CM 33E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Pulkovo 1942 / Gauss-Kruger zone 6 (code 28406).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=33 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2497, Pulkovo 1942 / Gauss-Kruger CM 39E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Pulkovo 1942 / Gauss-Kruger zone 7 (code 28407).
Source: OGP
Revision: 22.06.2002
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=39 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2498, Pulkovo 1942 / Gauss-Kruger CM 45E

Scope: Medium scale topographic mapping.
Remarks: Truncated form of Pulkovo 1942 / Gauss-Kruger zone 8 (code 28408).
Source: OGP
Revision: 22.06.2002
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=45 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2499, Pulkovo 1942 / Gauss-Kruger CM 51E

Scope: Medium scale topographic mapping.
Remarks: Truncated form of Pulkovo 1942 / Gauss-Kruger zone 9 (code 28409).
Source: OGP
Revision: 22.06.2002
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=51 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2500, Pulkovo 1942 / Gauss-Kruger CM 57E

Scope: Medium scale topographic mapping.
Remarks: Truncated form of Pulkovo 1942 / Gauss-Kruger zone 10 (code 28410).
Source: OGP
Revision: 22.06.2002
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=57 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2501, Pulkovo 1942 / Gauss-Kruger CM 63E

Scope: Medium scale topographic mapping.
Remarks: Truncated form of Pulkovo 1942 / Gauss-Kruger zone 11 (code 28411).
Source: OGP
Revision: 22.06.2002
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=63 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2502, Pulkovo 1942 / Gauss-Kruger CM 69E

Scope: Medium scale topographic mapping.
Remarks: Truncated form of Pulkovo 1942 / Gauss-Kruger zone 12 (code 28412).
Source: OGP
Revision: 22.06.2002
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=69 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2503, Pulkovo 1942 / Gauss-Kruger CM 75E

Scope: Medium scale topographic mapping.
Remarks: Truncated form of Pulkovo 1942 / Gauss-Kruger zone 13 (code 28413).
Source: OGP
Revision: 22.06.2002
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=75 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2504, Pulkovo 1942 / Gauss-Kruger CM 81E

Scope: Medium scale topographic mapping.
Remarks: Truncated form of Pulkovo 1942 / Gauss-Kruger zone 14 (code 28414).
Source: OGP
Revision: 22.06.2002
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=81 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2505, Pulkovo 1942 / Gauss-Kruger CM 87E

Scope: Medium scale topographic mapping.
Remarks: Truncated form of Pulkovo 1942 / Gauss-Kruger zone 15 (code 28415).
Source: OGP
Revision: 22.06.2002
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=87 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2506, Pulkovo 1942 / Gauss-Kruger CM 93E

Scope: Medium scale topographic mapping.
Remarks: Truncated form of Pulkovo 1942 / Gauss-Kruger zone 16 (code 28416).
Source: OGP
Revision: 22.06.2002
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=93 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2507, Pulkovo 1942 / Gauss-Kruger CM 99E

Scope: Medium scale topographic mapping.
Remarks: Truncated form of Pulkovo 1942 / Gauss-Kruger zone 17 (code 28417).
Source: OGP
Revision: 22.06.2002
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=99 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2508, Pulkovo 1942 / Gauss-Kruger CM 105E

Scope: Medium scale topographic mapping.
Remarks: Truncated form of Pulkovo 1942 / Gauss-Kruger zone 18 (code 28418).
Source: OGP
Revision: 22.06.2002
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=105 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2509, Pulkovo 1942 / Gauss-Kruger CM 111E

Scope: Medium scale topographic mapping.
Remarks: Truncated form of Pulkovo 1942 / Gauss-Kruger zone 19 (code 28419).
Source: OGP
Revision: 22.06.2002
Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=111 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2510, Pulkovo 1942 / Gauss-Kruger CM 117E

Scope: Medium scale topographic mapping.
Remarks: Truncated form of Pulkovo 1942 / Gauss-Kruger zone 20 (code 28420).
Source: OGP
Revision: 22.06.2002
Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=117 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2511, Pulkovo 1942 / Gauss-Kruger CM 123E

Scope: Medium scale topographic mapping.
Remarks: Truncated form of Pulkovo 1942 / Gauss-Kruger zone 21 (code 28421).
Source: OGP
Revision: 22.06.2002
Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=123 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2512, Pulkovo 1942 / Gauss-Kruger CM 129E

Scope: Medium scale topographic mapping.
Remarks: Truncated form of Pulkovo 1942 / Gauss-Kruger zone 22 (code 28422).
Source: OGP
Revision: 22.06.2002
Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=129 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2513, Pulkovo 1942 / Gauss-Kruger CM 135E

Scope: Medium scale topographic mapping.
Remarks: Truncated form of Pulkovo 1942 / Gauss-Kruger zone 23 (code 28423).
Source: OGP
Revision: 22.06.2002
Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=135 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2514, Pulkovo 1942 / Gauss-Kruger CM 141E

Scope: Medium scale topographic mapping.
Remarks: Truncated form of Pulkovo 1942 / Gauss-Kruger zone 24 (code 28424).
Source: OGP
Revision: 22.06.2002
Proj4
```
+proj=tmerc +lat_0=0 +lon_0=141 +k=1 +x_0=500000 +y_0=0
```

definition: `+ellps=krass +units=m +no_defs`

EPSG 2515, Pulkovo 1942 / Gauss-Kruger CM 147E

Scope: Medium scale topographic mapping.
Remarks: Truncated form of Pulkovo 1942 / Gauss-Kruger zone 25 (code 28425).
Source: OGP
Revision: 22.06.2002
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=147 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2516, Pulkovo 1942 / Gauss-Kruger CM 153E

Scope: Medium scale topographic mapping.
Remarks: Truncated form of Pulkovo 1942 / Gauss-Kruger zone 26 (code 28426).
Source: OGP
Revision: 22.06.2002
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=153 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2517, Pulkovo 1942 / Gauss-Kruger CM 159E

Scope: Medium scale topographic mapping.
Remarks: Truncated form of Pulkovo 1942 / Gauss-Kruger zone 27 (code 28427).
Source: OGP
Revision: 22.06.2002
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=159 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2518, Pulkovo 1942 / Gauss-Kruger CM 165E

Scope: Medium scale topographic mapping.
Remarks: Truncated form of Pulkovo 1942 / Gauss-Kruger zone 28 (code 28428).
Source: OGP
Revision: 22.06.2002
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=165 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2519, Pulkovo 1942 / Gauss-Kruger CM 171E

Scope: Medium scale topographic mapping.
Remarks: Truncated form of Pulkovo 1942 / Gauss-Kruger zone 29 (code 28429).
Source: OGP
Revision: 22.06.2002
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=171 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2520, Pulkovo 1942 / Gauss-Kruger CM 177E

Scope: Medium scale topographic mapping.
Remarks: Truncated form of Pulkovo 1942 / Gauss-Kruger zone 30 (code 28430).
Source: OGP
Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=177 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2521, Pulkovo 1942 / Gauss-Kruger CM 177W

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Pulkovo 1942 / Gauss-Kruger zone 31 (code 28431).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-177 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2522, Pulkovo 1942 / Gauss-Kruger CM 171W

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Pulkovo 1942 / Gauss-Kruger zone 32 (code 28432).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-171 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2523, Pulkovo 1942 / 3-degree Gauss-Kruger zone 7

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 21E (code 2582).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=21 +k=1 +x_0=7500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2524, Pulkovo 1942 / 3-degree Gauss-Kruger zone 8

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 24E (code 2583).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=24 +k=1 +x_0=8500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2525, Pulkovo 1942 / 3-degree Gauss-Kruger zone 9

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 27E (code 2584).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=27 +k=1 +x_0=9500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2526, Pulkovo 1942 / 3-degree Gauss-Kruger zone 10

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 30E (code 2585).

Source: OGP

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=30 +k=1 +x_0=10500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2527, Pulkovo 1942 / 3-degree Gauss-Kruger zone 11

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 33E (code 2586).

Source: OGP

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=33 +k=1 +x_0=11500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2528, Pulkovo 1942 / 3-degree Gauss-Kruger zone 12

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 36E (code 2587).

Source: OGP

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=36 +k=1 +x_0=12500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2529, Pulkovo 1942 / 3-degree Gauss-Kruger zone 13

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 39E (code 2588).

Source: OGP

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=39 +k=1 +x_0=13500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2530, Pulkovo 1942 / 3-degree Gauss-Kruger zone 14

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 42E (code 2589).

Source: OGP

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=42 +k=1 +x_0=14500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2531, Pulkovo 1942 / 3-degree Gauss-Kruger zone 15

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree

Gauss-Kruger CM 45E (code 2590).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=45 +k=1 +x_0=15500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2532, Pulkovo 1942 / 3-degree Gauss-Kruger zone 16

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 48E (code 2591).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=48 +k=1 +x_0=16500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2533, Pulkovo 1942 / 3-degree Gauss-Kruger zone 17

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 51E (code 2592).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=51 +k=1 +x_0=17500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2534, Pulkovo 1942 / 3-degree Gauss-Kruger zone 18

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 54E (code 2593).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=54 +k=1 +x_0=18500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2535, Pulkovo 1942 / 3-degree Gauss-Kruger zone 19

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 57E (code 2594).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=57 +k=1 +x_0=19500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2536, Pulkovo 1942 / 3-degree Gauss-Kruger zone 20

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 60E (code 2595).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=60 +k=1 +x_0=20500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2537, Pulkovo 1942 / 3-degree Gauss-Kruger zone 21

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 63E (code 2596).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=63 +k=1 +x_0=21500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2538, Pulkovo 1942 / 3-degree Gauss-Kruger zone 22

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 66E (code 2597).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=66 +k=1 +x_0=22500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2539, Pulkovo 1942 / 3-degree Gauss-Kruger zone 23

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 69E (code 2598).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=69 +k=1 +x_0=23500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2540, Pulkovo 1942 / 3-degree Gauss-Kruger zone 24

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 72E (code 2599).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=72 +k=1 +x_0=24500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2541, Pulkovo 1942 / 3-degree Gauss-Kruger zone 25

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 75E (code 2601).

Source: OGP

Revision: 22.06.2002

Proj4 `+proj=tmerc +lat_0=0 +lon_0=75 +k=1 +x_0=25500000 +y_0=0 +ellps=krass +units=m +no_defs`

definition:

EPSG 2542, Pulkovo 1942 / 3-degree Gauss-Kruger zone 26

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 78E (code 2602).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=78 +k=1 +x_0=26500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2543, Pulkovo 1942 / 3-degree Gauss-Kruger zone 27

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 81E (code 2603).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=81 +k=1 +x_0=27500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2544, Pulkovo 1942 / 3-degree Gauss-Kruger zone 28

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 84E (code 2604).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=84 +k=1 +x_0=28500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2545, Pulkovo 1942 / 3-degree Gauss-Kruger zone 29

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 87E (code 2605).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=87 +k=1 +x_0=29500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2546, Pulkovo 1942 / 3-degree Gauss-Kruger zone 30

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 90E (code 2606).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=90 +k=1 +x_0=30500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2547, Pulkovo 1942 / 3-degree Gauss-Kruger zone 31

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 93E (code 2607).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=93 +k=1 +x_0=31500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2548, Pulkovo 1942 / 3-degree Gauss-Kruger zone 32

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 96E (code 2608).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=96 +k=1 +x_0=32500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2549, Pulkovo 1942 / 3-degree Gauss-Kruger zone 33

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 99E (code 2609).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=99 +k=1 +x_0=33500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2551, Pulkovo 1942 / 3-degree Gauss-Kruger zone 34

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 102E (code 2610).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=102 +k=1 +x_0=34500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2552, Pulkovo 1942 / 3-degree Gauss-Kruger zone 35

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 105E (code 2611).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=105 +k=1 +x_0=35500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2553, Pulkovo 1942 / 3-degree Gauss-Kruger zone 36

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree

Gauss-Kruger CM 108E (code 2612).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=108 +k=1 +x_0=36500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2554, Pulkovo 1942 / 3-degree Gauss-Kruger zone 37

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 111E (code 2613).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=111 +k=1 +x_0=37500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2555, Pulkovo 1942 / 3-degree Gauss-Kruger zone 38

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 114E (code 2614).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=114 +k=1 +x_0=38500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2556, Pulkovo 1942 / 3-degree Gauss-Kruger zone 39

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 117E (code 2615).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=117 +k=1 +x_0=39500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2557, Pulkovo 1942 / 3-degree Gauss-Kruger zone 40

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 120E (code 2616).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=120 +k=1 +x_0=40500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2558, Pulkovo 1942 / 3-degree Gauss-Kruger zone 41

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 123E (code 2617).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=123 +k=1 +x_0=41500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2559, Pulkovo 1942 / 3-degree Gauss-Kruger zone 42

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 126E (code 2618).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=126 +k=1 +x_0=42500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2560, Pulkovo 1942 / 3-degree Gauss-Kruger zone 43

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 129E (code 2619).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=129 +k=1 +x_0=43500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2561, Pulkovo 1942 / 3-degree Gauss-Kruger zone 44

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 132E (code 2620).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=132 +k=1 +x_0=44500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2562, Pulkovo 1942 / 3-degree Gauss-Kruger zone 45

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 135E (code 2621).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=135 +k=1 +x_0=45500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2563, Pulkovo 1942 / 3-degree Gauss-Kruger zone 46

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 138E (code 2622).

Source: OGP

Revision: 22.06.2002

Proj4 `+proj=tmerc +lat_0=0 +lon_0=138 +k=1 +x_0=46500000 +y_0=0 +ellps=krass +units=m +no_defs`

definition:

EPSG 2564, Pulkovo 1942 / 3-degree Gauss-Kruger zone 47

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 141E (code 2623).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=141 +k=1 +x_0=47500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2565, Pulkovo 1942 / 3-degree Gauss-Kruger zone 48

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 144E (code 2624).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=144 +k=1 +x_0=48500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2566, Pulkovo 1942 / 3-degree Gauss-Kruger zone 49

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 147E (code 2625).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=147 +k=1 +x_0=49500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2567, Pulkovo 1942 / 3-degree Gauss-Kruger zone 50

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 150E (code 2626).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=150 +k=1 +x_0=50500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2568, Pulkovo 1942 / 3-degree Gauss-Kruger zone 51

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 153E (code 2627).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=153 +k=1 +x_0=51500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2569, Pulkovo 1942 / 3-degree Gauss-Kruger zone 52

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 156E (code 2628).

Source: OGP

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=156 +k=1 +x_0=52500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2570, Pulkovo 1942 / 3-degree Gauss-Kruger zone 53

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 159E (code 2629).

Source: OGP

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=159 +k=1 +x_0=53500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2571, Pulkovo 1942 / 3-degree Gauss-Kruger zone 54

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 162E (code 2630).

Source: OGP

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=162 +k=1 +x_0=54500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2572, Pulkovo 1942 / 3-degree Gauss-Kruger zone 55

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 165E (code 2631).

Source: OGP

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=165 +k=1 +x_0=55500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2573, Pulkovo 1942 / 3-degree Gauss-Kruger zone 56

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 168E (code 2632).

Source: OGP

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=168 +k=1 +x_0=56500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2574, Pulkovo 1942 / 3-degree Gauss-Kruger zone 57

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree

Gauss-Kruger CM 171E (code 2633).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=171 +k=1 +x_0=57500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2575, Pulkovo 1942 / 3-degree Gauss-Kruger zone 58

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 174E (code 2634).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=174 +k=1 +x_0=58500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2576, Pulkovo 1942 / 3-degree Gauss-Kruger zone 59

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 177E (code 2635).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=177 +k=1 +x_0=59500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2578, Pulkovo 1942 / 3-degree Gauss-Kruger zone 61

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 177W (code 2637).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-177 +k=1 +x_0=61500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2579, Pulkovo 1942 / 3-degree Gauss-Kruger zone 62

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 174W (code 2638).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-174 +k=1 +x_0=62500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2580, Pulkovo 1942 / 3-degree Gauss-Kruger zone 63

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 171W (code 2639).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-171 +k=1 +x_0=63500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2581, Pulkovo 1942 / 3-degree Gauss-Kruger zone 64

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 168W (code 2640).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-168 +k=1 +x_0=64500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2582, Pulkovo 1942 / 3-degree Gauss-Kruger CM 21E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 7 (code 2523).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=21 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2583, Pulkovo 1942 / 3-degree Gauss-Kruger CM 24E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 8 (code 2524).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=24 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2584, Pulkovo 1942 / 3-degree Gauss-Kruger CM 27E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 9 (code 2525).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=27 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2585, Pulkovo 1942 / 3-degree Gauss-Kruger CM 30E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 10 (code 2526).

Source: OGP

Revision: 22.06.2002

Proj4 `+proj=tmerc +lat_0=0 +lon_0=30 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

definition:

EPSG 2586, Pulkovo 1942 / 3-degree Gauss-Kruger CM 33E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 11 (code 2527).

Source: OGP

Revision: 22.07.2006

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=33 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2587, Pulkovo 1942 / 3-degree Gauss-Kruger CM 36E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 12 (code 2528).

Source: OGP

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=36 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2588, Pulkovo 1942 / 3-degree Gauss-Kruger CM 39E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 13 (code 2529).

Source: OGP

Revision: 22.07.2006

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=39 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2589, Pulkovo 1942 / 3-degree Gauss-Kruger CM 42E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 14 (code 2530).

Source: OGP

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=42 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2590, Pulkovo 1942 / 3-degree Gauss-Kruger CM 45E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 15 (code 2531).

Source: OGP

Revision: 22.07.2006

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=45 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2591, Pulkovo 1942 / 3-degree Gauss-Kruger CM 48E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 16 (code 2532).

Source: OGP

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=48 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2592, Pulkovo 1942 / 3-degree Gauss-Kruger CM 51E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 17 (code 2533).

Source: OGP

Revision: 22.07.2006

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=51 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2593, Pulkovo 1942 / 3-degree Gauss-Kruger CM 54E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 18 (code 2534).

Source: OGP

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=54 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2594, Pulkovo 1942 / 3-degree Gauss-Kruger CM 57E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 19 (code 2535).

Source: OGP

Revision: 22.07.2006

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=57 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2595, Pulkovo 1942 / 3-degree Gauss-Kruger CM 60E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 20 (code 2536).

Source: OGP

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=60 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2596, Pulkovo 1942 / 3-degree Gauss-Kruger CM 63E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 21 (code

2537).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=63 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2597, Pulkovo 1942 / 3-degree Gauss-Kruger CM 66E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 22 (code 2538).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=66 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2598, Pulkovo 1942 / 3-degree Gauss-Kruger CM 69E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 23 (code 2539).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=69 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2599, Pulkovo 1942 / 3-degree Gauss-Kruger CM 72E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 24 (code 2540).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=72 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2601, Pulkovo 1942 / 3-degree Gauss-Kruger CM 75E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 25 (code 2541).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=75 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2602, Pulkovo 1942 / 3-degree Gauss-Kruger CM 78E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 26 (code 2542).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=78 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2603, Pulkovo 1942 / 3-degree Gauss-Kruger CM 81E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 27 (code 2543).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=81 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2604, Pulkovo 1942 / 3-degree Gauss-Kruger CM 84E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 28 (code 2544).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=84 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2605, Pulkovo 1942 / 3-degree Gauss-Kruger CM 87E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 29 (code 2545).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=87 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2606, Pulkovo 1942 / 3-degree Gauss-Kruger CM 90E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 30 (code 2546).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=90 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2607, Pulkovo 1942 / 3-degree Gauss-Kruger CM 93E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 31 (code 2547).

Source: OGP

Revision: 22.07.2006

Proj4 `+proj=tmerc +lat_0=0 +lon_0=93 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

definition:

EPSG 2608, Pulkovo 1942 / 3-degree Gauss-Kruger CM 96E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 32 (code 2548).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=96 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2609, Pulkovo 1942 / 3-degree Gauss-Kruger CM 99E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 33 (code 2549).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=99 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2610, Pulkovo 1942 / 3-degree Gauss-Kruger CM 102E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 34 (code 2551).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=102 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2611, Pulkovo 1942 / 3-degree Gauss-Kruger CM 105E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 35 (code 2552).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=105 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2612, Pulkovo 1942 / 3-degree Gauss-Kruger CM 108E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 36 (code 2553).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=108 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2613, Pulkovo 1942 / 3-degree Gauss-Kruger CM 111E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 37 (code 2554).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=111 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2614, Pulkovo 1942 / 3-degree Gauss-Kruger CM 114E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 38 (code 2555).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=114 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2615, Pulkovo 1942 / 3-degree Gauss-Kruger CM 117E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 39 (code 2556).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=117 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2616, Pulkovo 1942 / 3-degree Gauss-Kruger CM 120E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 40 (code 2557).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=120 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2617, Pulkovo 1942 / 3-degree Gauss-Kruger CM 123E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 41 (code 2558).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=123 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2618, Pulkovo 1942 / 3-degree Gauss-Kruger CM 126E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 42 (code

2559).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=126 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2619, Pulkovo 1942 / 3-degree Gauss-Kruger CM 129E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 43 (code 2560).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=129 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2620, Pulkovo 1942 / 3-degree Gauss-Kruger CM 132E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 44 (code 2561).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=132 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2621, Pulkovo 1942 / 3-degree Gauss-Kruger CM 135E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 45 (code 2562).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=135 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2622, Pulkovo 1942 / 3-degree Gauss-Kruger CM 138E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 46 (code 2563).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=138 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2623, Pulkovo 1942 / 3-degree Gauss-Kruger CM 141E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 47 (code 2564).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=141 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2624, Pulkovo 1942 / 3-degree Gauss-Kruger CM 144E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 48 (code 2565).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=144 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2625, Pulkovo 1942 / 3-degree Gauss-Kruger CM 147E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 49 (code 2566).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=147 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2626, Pulkovo 1942 / 3-degree Gauss-Kruger CM 150E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 50 (code 2567).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=150 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2627, Pulkovo 1942 / 3-degree Gauss-Kruger CM 153E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 51 (code 2568).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=153 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2628, Pulkovo 1942 / 3-degree Gauss-Kruger CM 156E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 52 (code 2569).

Source: OGP

Revision: 22.06.2002

Proj4 `+proj=tmerc +lat_0=0 +lon_0=156 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

definition:

EPSG 2629, Pulkovo 1942 / 3-degree Gauss-Kruger CM 159E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 53 (code 2570).

Source: OGP

Revision: 22.07.2006

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=159 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2630, Pulkovo 1942 / 3-degree Gauss-Kruger CM 162E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 54 (code 2571).

Source: OGP

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=162 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2631, Pulkovo 1942 / 3-degree Gauss-Kruger CM 165E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 55 (code 2572).

Source: OGP

Revision: 22.07.2006

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=165 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2632, Pulkovo 1942 / 3-degree Gauss-Kruger CM 168E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 56 (code 2573).

Source: OGP

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=168 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2633, Pulkovo 1942 / 3-degree Gauss-Kruger CM 171E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 57 (code 2574).

Source: OGP

Revision: 22.07.2006

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=171 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2634, Pulkovo 1942 / 3-degree Gauss-Kruger CM 174E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 58 (code 2575).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=174 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2635, Pulkovo 1942 / 3-degree Gauss-Kruger CM 177E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 59 (code 2576).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=177 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2636, Pulkovo 1942 / 3-degree Gauss-Kruger CM 180E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 60 (code 3389).

Source: OGP

Revision: 02.06.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=180 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2637, Pulkovo 1942 / 3-degree Gauss-Kruger CM 177W

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 61 (code 2578).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-177 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2638, Pulkovo 1942 / 3-degree Gauss-Kruger CM 174W

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 62 (code 2579).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-174 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2639, Pulkovo 1942 / 3-degree Gauss-Kruger CM 171W

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 63 (code

2580).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-171 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2640, Pulkovo 1942 / 3-degree Gauss-Kruger CM 168W

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 64 (code 2581).

Source: OGP

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-168 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2641, Pulkovo 1995 / 3-degree Gauss-Kruger zone 7

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 21E (code 2699).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=21 +k=1 +x_0=7500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2642, Pulkovo 1995 / 3-degree Gauss-Kruger zone 8

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 24E (code 2700).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=24 +k=1 +x_0=8500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2643, Pulkovo 1995 / 3-degree Gauss-Kruger zone 9

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 27E (code 2701).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=27 +k=1 +x_0=9500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2644, Pulkovo 1995 / 3-degree Gauss-Kruger zone 10

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 30E (code 2702).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=30 +k=1 +x_0=10500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2645, Pulkovo 1995 / 3-degree Gauss-Kruger zone 11

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 33E (code 2703).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=33 +k=1 +x_0=11500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2646, Pulkovo 1995 / 3-degree Gauss-Kruger zone 12

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 36E (code 2704).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=36 +k=1 +x_0=12500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2647, Pulkovo 1995 / 3-degree Gauss-Kruger zone 13

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 39E (code 2705).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=39 +k=1 +x_0=13500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2648, Pulkovo 1995 / 3-degree Gauss-Kruger zone 14

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 42E (code 2706).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=42 +k=1 +x_0=14500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2649, Pulkovo 1995 / 3-degree Gauss-Kruger zone 15

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 45E (code 2707).

Source: OGP

Revision: 19.09.2003

Proj4 `+proj=tmerc +lat_0=0 +lon_0=45 +k=1 +x_0=15500000 +y_0=0 +ellps=krass +units=m +no_defs`

definition:

EPSG 2650, Pulkovo 1995 / 3-degree Gauss-Kruger zone 16

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 48E (code 2708).

Source: OGP

Revision: 19.09.2003

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=48 +k=1 +x_0=16500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2651, Pulkovo 1995 / 3-degree Gauss-Kruger zone 17

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 51E (code 2709).

Source: OGP

Revision: 19.09.2003

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=51 +k=1 +x_0=17500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2652, Pulkovo 1995 / 3-degree Gauss-Kruger zone 18

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 54E (code 2710).

Source: OGP

Revision: 19.09.2003

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=54 +k=1 +x_0=18500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2653, Pulkovo 1995 / 3-degree Gauss-Kruger zone 19

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 57E (code 2711).

Source: OGP

Revision: 19.09.2003

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=57 +k=1 +x_0=19500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2654, Pulkovo 1995 / 3-degree Gauss-Kruger zone 20

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 60E (code 2712).

Source: OGP

Revision: 19.09.2003

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=60 +k=1 +x_0=20500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2655, Pulkovo 1995 / 3-degree Gauss-Kruger zone 21

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 63E (code 2713).

Source: OGP

Revision: 19.09.2003

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=63 +k=1 +x_0=21500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2656, Pulkovo 1995 / 3-degree Gauss-Kruger zone 22

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 66E (code 2714).

Source: OGP

Revision: 19.09.2003

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=66 +k=1 +x_0=22500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2657, Pulkovo 1995 / 3-degree Gauss-Kruger zone 23

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 69E (code 2715).

Source: OGP

Revision: 19.09.2003

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=69 +k=1 +x_0=23500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2658, Pulkovo 1995 / 3-degree Gauss-Kruger zone 24

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 72E (code 2716).

Source: OGP

Revision: 19.09.2003

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=72 +k=1 +x_0=24500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2659, Pulkovo 1995 / 3-degree Gauss-Kruger zone 25

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 75E (code 2717).

Source: OGP

Revision: 19.09.2003

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=75 +k=1 +x_0=25500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2660, Pulkovo 1995 / 3-degree Gauss-Kruger zone 26

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree

Gauss-Kruger CM 78E (code 2718).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=78 +k=1 +x_0=26500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2661, Pulkovo 1995 / 3-degree Gauss-Kruger zone 27

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 81E (code 2719).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=81 +k=1 +x_0=27500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2662, Pulkovo 1995 / 3-degree Gauss-Kruger zone 28

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 84E (code 2720).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=84 +k=1 +x_0=28500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2663, Pulkovo 1995 / 3-degree Gauss-Kruger zone 29

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 87E (code 2721).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=87 +k=1 +x_0=29500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2664, Pulkovo 1995 / 3-degree Gauss-Kruger zone 30

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 90E (code 2722).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=90 +k=1 +x_0=30500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2665, Pulkovo 1995 / 3-degree Gauss-Kruger zone 31

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 93E (code 2723).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=93 +k=1 +x_0=31500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2666, Pulkovo 1995 / 3-degree Gauss-Kruger zone 32

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 96E (code 2724).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=96 +k=1 +x_0=32500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2667, Pulkovo 1995 / 3-degree Gauss-Kruger zone 33

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 99E (code 2725).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=99 +k=1 +x_0=33500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2668, Pulkovo 1995 / 3-degree Gauss-Kruger zone 34

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 102E (code 2726).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=102 +k=1 +x_0=34500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2669, Pulkovo 1995 / 3-degree Gauss-Kruger zone 35

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 105E (code 2727).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=105 +k=1 +x_0=35500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2670, Pulkovo 1995 / 3-degree Gauss-Kruger zone 36

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 108E (code 2728).

Source: OGP

Revision: 19.09.2003

Proj4 `+proj=tmerc +lat_0=0 +lon_0=108 +k=1 +x_0=36500000 +y_0=0 +ellps=krass +units=m +no_defs`

definition:

EPSG 2671, Pulkovo 1995 / 3-degree Gauss-Kruger zone 37

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 111E (code 2729).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=111 +k=1 +x_0=37500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2672, Pulkovo 1995 / 3-degree Gauss-Kruger zone 38

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 114E (code 2730).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=114 +k=1 +x_0=38500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2673, Pulkovo 1995 / 3-degree Gauss-Kruger zone 39

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 117E (code 2731).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=117 +k=1 +x_0=39500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2674, Pulkovo 1995 / 3-degree Gauss-Kruger zone 40

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 120E (code 2732).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=120 +k=1 +x_0=40500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2675, Pulkovo 1995 / 3-degree Gauss-Kruger zone 41

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 123E (code 2733).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=123 +k=1 +x_0=41500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2676, Pulkovo 1995 / 3-degree Gauss-Kruger zone 42

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 126E (code 2734).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=126 +k=1 +x_0=42500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2677, Pulkovo 1995 / 3-degree Gauss-Kruger zone 43

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 129E (code 2735).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=129 +k=1 +x_0=43500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2678, Pulkovo 1995 / 3-degree Gauss-Kruger zone 44

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 132E (code 2738).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=132 +k=1 +x_0=44500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2679, Pulkovo 1995 / 3-degree Gauss-Kruger zone 45

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 135E (code 2739).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=135 +k=1 +x_0=45500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2680, Pulkovo 1995 / 3-degree Gauss-Kruger zone 46

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 138E (code 2740).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=138 +k=1 +x_0=46500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2681, Pulkovo 1995 / 3-degree Gauss-Kruger zone 47

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree

Gauss-Kruger CM 141E (code 2741).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=141 +k=1 +x_0=47500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2682, Pulkovo 1995 / 3-degree Gauss-Kruger zone 48

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 144E (code 2742).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=144 +k=1 +x_0=48500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2683, Pulkovo 1995 / 3-degree Gauss-Kruger zone 49

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 147E (code 2743).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=147 +k=1 +x_0=49500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2684, Pulkovo 1995 / 3-degree Gauss-Kruger zone 50

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 150E (code 2744).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=150 +k=1 +x_0=50500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2685, Pulkovo 1995 / 3-degree Gauss-Kruger zone 51

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 153E (code 2745).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=153 +k=1 +x_0=51500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2686, Pulkovo 1995 / 3-degree Gauss-Kruger zone 52

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 156E (code 2746).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=156 +k=1 +x_0=52500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2687, Pulkovo 1995 / 3-degree Gauss-Kruger zone 53

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 159E (code 2747).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=159 +k=1 +x_0=53500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2688, Pulkovo 1995 / 3-degree Gauss-Kruger zone 54

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 162E (code 2748).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=162 +k=1 +x_0=54500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2689, Pulkovo 1995 / 3-degree Gauss-Kruger zone 55

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 165E (code 2749).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=165 +k=1 +x_0=55500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2690, Pulkovo 1995 / 3-degree Gauss-Kruger zone 56

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 168E (code 2750).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=168 +k=1 +x_0=56500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2691, Pulkovo 1995 / 3-degree Gauss-Kruger zone 57

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 171E (code 2751).

Source: OGP

Revision: 19.09.2003

Proj4 `+proj=tmerc +lat_0=0 +lon_0=171 +k=1 +x_0=57500000 +y_0=0 +ellps=krass +units=m +no_defs`

definition:

EPSG 2692, Pulkovo 1995 / 3-degree Gauss-Kruger zone 58

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 174E (code 2752).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=174 +k=1 +x_0=58500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2693, Pulkovo 1995 / 3-degree Gauss-Kruger zone 59

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 177E (code 2753).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=177 +k=1 +x_0=59500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2695, Pulkovo 1995 / 3-degree Gauss-Kruger zone 61

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 177W (code 2755).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-177 +k=1 +x_0=61500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2696, Pulkovo 1995 / 3-degree Gauss-Kruger zone 62

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 174W (code 2756).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-174 +k=1 +x_0=62500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2697, Pulkovo 1995 / 3-degree Gauss-Kruger zone 63

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 171W (code 2757).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-171 +k=1 +x_0=63500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2698, Pulkovo 1995 / 3-degree Gauss-Kruger zone 64

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 168W (code 2758).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-168 +k=1 +x_0=64500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2699, Pulkovo 1995 / 3-degree Gauss-Kruger CM 21E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 7 (code 2641).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=21 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2700, Pulkovo 1995 / 3-degree Gauss-Kruger CM 24E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 8 (code 2642).

Source: OGP

Revision: 14.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=24 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2701, Pulkovo 1995 / 3-degree Gauss-Kruger CM 27E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 9 (code 2643).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=27 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2702, Pulkovo 1995 / 3-degree Gauss-Kruger CM 30E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 10 (code 2644).

Source: OGP

Revision: 14.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=30 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2703, Pulkovo 1995 / 3-degree Gauss-Kruger CM 33E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 11 (code

2645).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=33 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2704, Pulkovo 1995 / 3-degree Gauss-Kruger CM 36E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 12 (code 2646).

Source: OGP

Revision: 14.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=36 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2705, Pulkovo 1995 / 3-degree Gauss-Kruger CM 39E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 13 (code 2647).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=39 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2706, Pulkovo 1995 / 3-degree Gauss-Kruger CM 42E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 14 (code 2648).

Source: OGP

Revision: 14.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=42 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2707, Pulkovo 1995 / 3-degree Gauss-Kruger CM 45E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 15 (code 2649).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=45 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2708, Pulkovo 1995 / 3-degree Gauss-Kruger CM 48E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 16 (code 2650).

Source: OGP

Revision: 14.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=48 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2709, Pulkovo 1995 / 3-degree Gauss-Kruger CM 51E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 17 (code 2651).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=51 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2710, Pulkovo 1995 / 3-degree Gauss-Kruger CM 54E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 18 (code 2652).

Source: OGP

Revision: 14.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=54 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2711, Pulkovo 1995 / 3-degree Gauss-Kruger CM 57E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 19 (code 2653).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=57 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2712, Pulkovo 1995 / 3-degree Gauss-Kruger CM 60E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 20 (code 2654).

Source: OGP

Revision: 14.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=60 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2713, Pulkovo 1995 / 3-degree Gauss-Kruger CM 63E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 21 (code 2655).

Source: OGP

Revision: 22.07.2006

Proj4 `+proj=tmerc +lat_0=0 +lon_0=63 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

definition:

EPSG 2714, Pulkovo 1995 / 3-degree Gauss-Kruger CM 66E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 22 (code 2656).

Source: OGP

Revision: 14.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=66 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2715, Pulkovo 1995 / 3-degree Gauss-Kruger CM 69E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 23 (code 2657).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=69 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2716, Pulkovo 1995 / 3-degree Gauss-Kruger CM 72E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 24 (code 2658).

Source: OGP

Revision: 14.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=72 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2717, Pulkovo 1995 / 3-degree Gauss-Kruger CM 75E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 25 (code 2659).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=75 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2718, Pulkovo 1995 / 3-degree Gauss-Kruger CM 78E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 26 (code 2660).

Source: OGP

Revision: 14.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=78 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2719, Pulkovo 1995 / 3-degree Gauss-Kruger CM 81E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 27 (code 2661).

Source: OGP

Revision: 22.07.2006

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=81 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2720, Pulkovo 1995 / 3-degree Gauss-Kruger CM 84E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 28 (code 2662).

Source: OGP

Revision: 14.07.2006

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=84 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2721, Pulkovo 1995 / 3-degree Gauss-Kruger CM 87E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 29 (code 2663).

Source: OGP

Revision: 22.07.2006

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=87 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2722, Pulkovo 1995 / 3-degree Gauss-Kruger CM 90E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 30 (code 2664).

Source: OGP

Revision: 19.09.2003

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=90 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2723, Pulkovo 1995 / 3-degree Gauss-Kruger CM 93E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 31 (code 2665).

Source: OGP

Revision: 22.07.2006

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=93 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2724, Pulkovo 1995 / 3-degree Gauss-Kruger CM 96E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 32 (code

2666).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=96 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2725, Pulkovo 1995 / 3-degree Gauss-Kruger CM 99E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 33 (code 2667).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=99 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2726, Pulkovo 1995 / 3-degree Gauss-Kruger CM 102E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 34 (code 2668).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=102 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2727, Pulkovo 1995 / 3-degree Gauss-Kruger CM 105E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 35 (code 2669).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=105 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2728, Pulkovo 1995 / 3-degree Gauss-Kruger CM 108E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 36 (code 2670).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=108 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2729, Pulkovo 1995 / 3-degree Gauss-Kruger CM 111E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 37 (code 2671).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=111 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2730, Pulkovo 1995 / 3-degree Gauss-Kruger CM 114E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 38 (code 2672).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=114 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2731, Pulkovo 1995 / 3-degree Gauss-Kruger CM 117E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 39 (code 2673).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=117 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2732, Pulkovo 1995 / 3-degree Gauss-Kruger CM 120E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 40 (code 2674).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=120 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2733, Pulkovo 1995 / 3-degree Gauss-Kruger CM 123E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 41 (code 2675).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=123 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2734, Pulkovo 1995 / 3-degree Gauss-Kruger CM 126E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 42 (code 2676).

Source: OGP

Revision: 19.09.2003

Proj4 `+proj=tmerc +lat_0=0 +lon_0=126 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

definition:

EPSG 2735, Pulkovo 1995 / 3-degree Gauss-Kruger CM 129E

Scope: Large scale topographic mapping, cadastral and engineering survey.
Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 43 (code 2677).
Source: OGP
Revision: 22.07.2006
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=129 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2736, Tete / UTM zone 36S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Direcção Nacional de Geografia e Cadastral (DINAGECA).
Revision: 16.04.1998
Proj4 definition: `+proj=utm +zone=36 +south +ellps=clrk66 +units=m +no_defs`

EPSG 2737, Tete / UTM zone 37S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Direcção Nacional de Geografia e Cadastral (DINAGECA).
Revision: 16.04.1998
Proj4 definition: `+proj=utm +zone=37 +south +ellps=clrk66 +units=m +no_defs`

EPSG 2738, Pulkovo 1995 / 3-degree Gauss-Kruger CM 132E

Scope: Large scale topographic mapping, cadastral and engineering survey.
Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 44 (code 2678).
Source: OGP
Revision: 19.09.2003
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=132 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2739, Pulkovo 1995 / 3-degree Gauss-Kruger CM 135E

Scope: Large scale topographic mapping, cadastral and engineering survey.
Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 45 (code 2679).
Source: OGP
Revision: 22.07.2006
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=135 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2740, Pulkovo 1995 / 3-degree Gauss-Kruger CM 138E

Scope: Large scale topographic mapping, cadastral and engineering survey.
Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 46 (code 2680).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=138 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2741, Pulkovo 1995 / 3-degree Gauss-Kruger CM 141E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 47 (code 2681).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=141 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2742, Pulkovo 1995 / 3-degree Gauss-Kruger CM 144E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 48 (code 2682).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=144 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2743, Pulkovo 1995 / 3-degree Gauss-Kruger CM 147E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 49 (code 2683).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=147 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2744, Pulkovo 1995 / 3-degree Gauss-Kruger CM 150E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 50 (code 2684).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=150 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2745, Pulkovo 1995 / 3-degree Gauss-Kruger CM 153E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 51 (code 2685).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=153 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2746, Pulkovo 1995 / 3-degree Gauss-Kruger CM 156E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 52 (code 2686).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=156 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2747, Pulkovo 1995 / 3-degree Gauss-Kruger CM 159E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 53 (code 2687).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=159 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2748, Pulkovo 1995 / 3-degree Gauss-Kruger CM 162E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 54 (code 2688).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=162 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2749, Pulkovo 1995 / 3-degree Gauss-Kruger CM 165E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 55 (code 2689).

Source: OGP

Revision: 22.07.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=165 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2750, Pulkovo 1995 / 3-degree Gauss-Kruger CM 168E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 56 (code 2690).

Source: OGP

Revision: 19.09.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=168 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2751, Pulkovo 1995 / 3-degree Gauss-Kruger CM 171E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 57 (code 2691).

Source: OGP

Revision: 22.07.2006

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=171 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2752, Pulkovo 1995 / 3-degree Gauss-Kruger CM 174E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 58 (code 2692).

Source: OGP

Revision: 19.09.2003

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=174 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2753, Pulkovo 1995 / 3-degree Gauss-Kruger CM 177E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 59 (code 2693).

Source: OGP

Revision: 22.07.2006

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=177 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2754, Pulkovo 1995 / 3-degree Gauss-Kruger CM 180E

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 60 (code 3390).

Source: OGP

Revision: 02.06.2006

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=180 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2755, Pulkovo 1995 / 3-degree Gauss-Kruger CM 177W

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 61 (code 2695).

Source: OGP

Revision: 22.07.2006

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=-177 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2756, Pulkovo 1995 / 3-degree Gauss-Kruger CM 174W

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 62 (code 2696).

Source: OGP

Revision: 19.09.2003

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=-174 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2757, Pulkovo 1995 / 3-degree Gauss-Kruger CM 171W

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 63 (code 2697).

Source: OGP

Revision: 22.07.2006

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=-171 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2758, Pulkovo 1995 / 3-degree Gauss-Kruger CM 168W

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 64 (code 2698).

Source: OGP

Revision: 19.09.2003

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=-168 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 2759, NAD83(HARN) / Alabama East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=tmerc +lat_0=30.5 +lon_0=-85.83333333333333 +k=0.99996
+x_0=200000 +y_0=0 +ellps=GRS80 +units=m +no_defs
```

EPSG 2760, NAD83(HARN) / Alabama West

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=tmerc +lat_0=30 +lon_0=-87.5 +k=0.999933333 +x_0=600000
+y_0=0 +ellps=GRS80 +units=m +no_defs
```

EPSG 2761, NAD83(HARN) / Arizona East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in International feet (note: not US survey feet). See code 2867 for equivalent non-metric definition. Replaces NAD83 /

SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=tmerc +lat_0=31 +lon_0=-110.1666666666667 +k=0.9999 +x_0=213360 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2762, NAD83(HARN) / Arizona Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in International feet (note: not US survey feet). See code 2868 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=tmerc +lat_0=31 +lon_0=-111.9166666666667 +k=0.9999 +x_0=213360 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2763, NAD83(HARN) / Arizona West

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in International feet (note: not US survey feet). See code 2869 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=tmerc +lat_0=31 +lon_0=-113.75 +k=0.999933333 +x_0=213360 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2764, NAD83(HARN) / Arkansas North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 3441 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=lcc +lat_1=36.23333333333333 +lat_2=34.93333333333333 +lat_0=34.33333333333334 +lon_0=-92 +x_0=400000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2765, NAD83(HARN) / Arkansas South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 3442 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 `+proj=lcc +lat_1=34.76666666666667 +lat_2=33.3 +lat_0=32.66666666666666 +lon_0=-92 +x_0=400000 +y_0=400000`

definition: `+ellps=GRS80 +units=m +no_defs`

EPSG 2766, NAD83(HARN) / California zone 1

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2870 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=41.66666666666666 +lat_2=40
+lat_0=39.33333333333334 +lon_0=-122 +x_0=2000000 +y_0=500000
+ellps=GRS80 +units=m +no_defs
```

EPSG 2767, NAD83(HARN) / California zone 2

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2871 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=39.83333333333334 +lat_2=38.33333333333334
+lat_0=37.66666666666666 +lon_0=-122 +x_0=2000000 +y_0=500000
+ellps=GRS80 +units=m +no_defs
```

EPSG 2768, NAD83(HARN) / California zone 3

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2872 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=38.43333333333333 +lat_2=37.06666666666667
+lat_0=36.5 +lon_0=-120.5 +x_0=2000000 +y_0=500000 +ellps=GRS80
+units=m +no_defs
```

EPSG 2769, NAD83(HARN) / California zone 4

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2873 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=37.25 +lat_2=36 +lat_0=35.33333333333334 +lon_0=-
119 +x_0=2000000 +y_0=500000 +ellps=GRS80 +units=m +no_defs
```

EPSG 2770, NAD83(HARN) / California zone 5

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2874 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an

accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=35.46666666666667 +lat_2=34.03333333333333
+lat_0=33.5 +lon_0=-118 +x_0=2000000 +y_0=500000 +ellps=GRS80
+units=m +no_defs
```

EPSG 2771, NAD83(HARN) / California zone 6

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2875 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=33.88333333333333 +lat_2=32.78333333333333
+lat_0=32.16666666666666 +lon_0=-116.25 +x_0=2000000 +y_0=500000
+ellps=GRS80 +units=m +no_defs
```

EPSG 2772, NAD83(HARN) / Colorado North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2876 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=40.78333333333333 +lat_2=39.71666666666667
+lat_0=39.33333333333334 +lon_0=-105.5 +x_0=914401.8289
+y_0=304800.6096 +ellps=GRS80 +units=m +no_defs
```

EPSG 2773, NAD83(HARN) / Colorado Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2877 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=39.75 +lat_2=38.45 +lat_0=37.83333333333334
+lon_0=-105.5 +x_0=914401.8289 +y_0=304800.6096 +ellps=GRS80
+units=m +no_defs
```

EPSG 2774, NAD83(HARN) / Colorado South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2878 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=38.43333333333333 +lat_2=37.23333333333333
+lat_0=36.66666666666666 +lon_0=-105.5 +x_0=914401.8289
+y_0=304800.6096 +ellps=GRS80 +units=m +no_defs
```

EPSG 2775, NAD83(HARN) / Connecticut

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2879 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=41.86666666666667 +lat_2=41.2
+lat_0=40.83333333333334 +lon_0=-72.75 +x_0=304800.6096
+y_0=152400.3048 +ellps=GRS80 +units=m +no_defs
```

EPSG 2776, NAD83(HARN) / Delaware

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2880 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=tmerc +lat_0=38 +lon_0=-75.41666666666667 +k=0.999995
+x_0=200000 +y_0=0 +ellps=GRS80 +units=m +no_defs
```

EPSG 2777, NAD83(HARN) / Florida East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2881 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=tmerc +lat_0=24.33333333333333 +lon_0=-81 +k=0.999941177
+x_0=200000 +y_0=0 +ellps=GRS80 +units=m +no_defs
```

EPSG 2778, NAD83(HARN) / Florida West

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2882 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=tmerc +lat_0=24.33333333333333 +lon_0=-82 +k=0.999941177
+x_0=200000 +y_0=0 +ellps=GRS80 +units=m +no_defs
```

EPSG 2779, NAD83(HARN) / Florida North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2883 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=lcc +lat_1=30.75 +lat_2=29.58333333333333 +lat_0=29 +lon_0=-84.5 +x_0=600000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2780, NAD83(HARN) / Georgia East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2884 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=tmerc +lat_0=30 +lon_0=-82.16666666666667 +k=0.9999 +x_0=200000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2781, NAD83(HARN) / Georgia West

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2885 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=tmerc +lat_0=30 +lon_0=-84.16666666666667 +k=0.9999 +x_0=700000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2782, NAD83(HARN) / Hawaii zone 1

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD83 / SPCS for applications with an accuracy of better than 1m.

Source: National Geodetic Survey

Revision: 24.06.2008

Proj4 definition: `+proj=tmerc +lat_0=18.83333333333333 +lon_0=-155.5 +k=0.999966667 +x_0=500000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2783, NAD83(HARN) / Hawaii zone 2

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD83 / SPCS for applications with an accuracy of better than 1m.

Source: National Geodetic Survey

Revision: 24.06.2008

Proj4 definition: `+proj=tmerc +lat_0=20.33333333333333 +lon_0=-156.6666666666667 +k=0.999966667 +x_0=500000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2784, NAD83(HARN) / Hawaii zone 3

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD83 / SPCS for applications with an accuracy of better than 1m.

Source: National Geodetic Survey

Revision: 24.06.2008

Proj4 definition: `+proj=tmerc +lat_0=21.16666666666667 +lon_0=-158 +k=0.99999 +x_0=500000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2785, NAD83(HARN) / Hawaii zone 4

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD83 / SPCS for applications with an accuracy of better than 1m.

Source: National Geodetic Survey

Revision: 24.06.2008

Proj4 definition: `+proj=tmerc +lat_0=21.83333333333333 +lon_0=-159.5 +k=0.99999 +x_0=500000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2786, NAD83(HARN) / Hawaii zone 5

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD83 / SPCS for applications with an accuracy of better than 1m.

Source: National Geodetic Survey

Revision: 24.06.2008

Proj4 definition: `+proj=tmerc +lat_0=21.66666666666667 +lon_0=-160.1666666666667 +k=1 +x_0=500000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2787, NAD83(HARN) / Idaho East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2886 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=tmerc +lat_0=41.66666666666666 +lon_0=-112.1666666666667 +k=0.9999473679999999 +x_0=200000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2788, NAD83(HARN) / Idaho Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2887 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=tmerc +lat_0=41.66666666666666 +lon_0=-114 +k=0.9999473679999999 +x_0=500000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2789, NAD83(HARN) / Idaho West

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2888 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=tmerc +lat_0=41.66666666666666 +lon_0=-115.75 +k=0.999933333 +x_0=800000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2790, NAD83(HARN) / Illinois East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 3443 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=tmerc +lat_0=36.66666666666666 +lon_0=-88.33333333333333 +k=0.9999749999999999 +x_0=300000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2791, NAD83(HARN) / Illinois West

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 3444 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=tmerc +lat_0=36.66666666666666 +lon_0=-90.16666666666667 +k=0.999941177 +x_0=700000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2792, NAD83(HARN) / Indiana East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2967 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=tmerc +lat_0=37.5 +lon_0=-85.66666666666667 +k=0.999966667 +x_0=100000 +y_0=250000 +ellps=GRS80 +units=m +no_defs`

EPSG 2793, NAD83(HARN) / Indiana West

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2968 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=tmerc +lat_0=37.5 +lon_0=-87.08333333333333 +k=0.999966667 +x_0=900000 +y_0=250000 +ellps=GRS80 +units=m +no_defs`

EPSG 2794, NAD83(HARN) / Iowa North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 3425 for equivalent

non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=43.26666666666667 +lat_2=42.06666666666667
+lat_0=41.5 +lon_0=-93.5 +x_0=1500000 +y_0=1000000 +ellps=GRS80
+units=m +no_defs
```

EPSG 2795, NAD83(HARN) / Iowa South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 3426 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=41.78333333333333 +lat_2=40.61666666666667
+lat_0=40 +lon_0=-93.5 +x_0=500000 +y_0=0 +ellps=GRS80 +units=m
+no_defs
```

EPSG 2796, NAD83(HARN) / Kansas North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 3427 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=39.78333333333333 +lat_2=38.71666666666667
+lat_0=38.33333333333334 +lon_0=-98 +x_0=400000 +y_0=0 +ellps=GRS80
+units=m +no_defs
```

EPSG 2797, NAD83(HARN) / Kansas South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 3428 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=38.56666666666667 +lat_2=37.26666666666667
+lat_0=36.66666666666666 +lon_0=-98.5 +x_0=400000 +y_0=400000
+ellps=GRS80 +units=m +no_defs
```

EPSG 2798, NAD83(HARN) / Kentucky North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2891 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4
```
+proj=lcc +lat_1=37.96666666666667 +lat_2=38.96666666666667
+lat_0=37.5 +lon_0=-84.25 +x_0=500000 +y_0=0 +ellps=GRS80 +units=m
```

definition: +no_defs

EPSG 2799, NAD83(HARN) / Kentucky South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2892 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 24.06.2008

Proj4 definition: +proj=lcc +lat_1=37.93333333333333 +lat_2=36.73333333333333 +lat_0=36.33333333333334 +lon_0=-85.75 +x_0=500000 +y_0=500000 +ellps=GRS80 +units=m +no_defs

EPSG 2800, NAD83(HARN) / Louisiana North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 3456 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: +proj=lcc +lat_1=32.66666666666666 +lat_2=31.16666666666667 +lat_0=30.5 +lon_0=-92.5 +x_0=1000000 +y_0=0 +ellps=GRS80 +units=m +no_defs

EPSG 2801, NAD83(HARN) / Louisiana South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Not applicable to offshore areas. State law defines system in US survey feet. See code 3457 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: +proj=lcc +lat_1=30.7 +lat_2=29.3 +lat_0=28.5 +lon_0=-91.33333333333333 +x_0=1000000 +y_0=0 +ellps=GRS80 +units=m +no_defs

EPSG 2802, NAD83(HARN) / Maine East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 26855 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 28.05.2008

Proj4 definition: +proj=tmerc +lat_0=43.66666666666666 +lon_0=-68.5 +k=0.9999 +x_0=300000 +y_0=0 +ellps=GRS80 +units=m +no_defs

EPSG 2803, NAD83(HARN) / Maine West

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 26856 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an

accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 24.06.2008

Proj4 definition: `+proj=tmerc +lat_0=42.83333333333334 +lon_0=-70.16666666666667 +k=0.999966667 +x_0=900000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2804, NAD83(HARN) / Maryland

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2893 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=lcc +lat_1=39.45 +lat_2=38.3 +lat_0=37.66666666666666 +lon_0=-77 +x_0=400000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2805, NAD83(HARN) / Massachusetts Mainland

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2894 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=lcc +lat_1=42.68333333333333 +lat_2=41.71666666666667 +lat_0=41 +lon_0=-71.5 +x_0=200000 +y_0=750000 +ellps=GRS80 +units=m +no_defs`

EPSG 2806, NAD83(HARN) / Massachusetts Island

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2895 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 24.06.2008

Proj4 definition: `+proj=lcc +lat_1=41.48333333333333 +lat_2=41.28333333333333 +lat_0=41 +lon_0=-70.5 +x_0=500000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2807, NAD83(HARN) / Michigan North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in International feet (note: not US survey feet). See code 2896 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=lcc +lat_1=47.08333333333334 +lat_2=45.48333333333333 +lat_0=44.78333333333333 +lon_0=-87 +x_0=8000000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2808, NAD83(HARN) / Michigan Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in International feet (note: not US survey feet). See code 2897 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=45.7 +lat_2=44.18333333333333
+lat_0=43.31666666666667 +lon_0=-84.36666666666666 +x_0=6000000
+y_0=0 +ellps=GRS80 +units=m +no_defs
```

EPSG 2809, NAD83(HARN) / Michigan South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in International feet (note: not US survey feet). See code 2898 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=43.66666666666666 +lat_2=42.1 +lat_0=41.5 +lon_0=-
84.36666666666666 +x_0=4000000 +y_0=0 +ellps=GRS80 +units=m
+no_defs
```

EPSG 2810, NAD83(HARN) / Minnesota North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 26857 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 28.05.2008

Proj4 definition:
```
+proj=lcc +lat_1=48.63333333333333 +lat_2=47.03333333333333
+lat_0=46.5 +lon_0=-93.09999999999999 +x_0=800000 +y_0=100000
+ellps=GRS80 +units=m +no_defs
```

EPSG 2811, NAD83(HARN) / Minnesota Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 26858 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 28.05.2008

Proj4 definition:
```
+proj=lcc +lat_1=47.05 +lat_2=45.61666666666667 +lat_0=45 +lon_0=-
94.25 +x_0=800000 +y_0=100000 +ellps=GRS80 +units=m +no_defs
```

EPSG 2812, NAD83(HARN) / Minnesota South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 26859 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an

accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 28.05.2008

Proj4 definition: `+proj=lcc +lat_1=45.21666666666667 +lat_2=43.78333333333333 +lat_0=43 +lon_0=-94 +x_0=800000 +y_0=100000 +ellps=GRS80 +units=m +no_defs`

EPSG 2813, NAD83(HARN) / Mississippi East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2899 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=tmerc +lat_0=29.5 +lon_0=-88.83333333333333 +k=0.99995 +x_0=300000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2814, NAD83(HARN) / Mississippi West

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2900 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=tmerc +lat_0=29.5 +lon_0=-90.33333333333333 +k=0.99995 +x_0=700000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2815, NAD83(HARN) / Missouri East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=tmerc +lat_0=35.83333333333334 +lon_0=-90.5 +k=0.999933333 +x_0=250000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2816, NAD83(HARN) / Missouri Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=tmerc +lat_0=35.83333333333334 +lon_0=-92.5 +k=0.999933333 +x_0=500000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2817, NAD83(HARN) / Missouri West

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD83 / SPCS for applications with an accuracy of better than

1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=tmerc +lat_0=36.16666666666666 +lon_0=-94.5 +k=0.999941177 +x_0=850000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2818, NAD83(HARN) / Montana

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in International feet (note: not US survey feet). See code 2901 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=lcc +lat_1=49 +lat_2=45 +lat_0=44.25 +lon_0=-109.5 +x_0=600000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2819, NAD83(HARN) / Nebraska

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See CRS code 26860 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 23.06.2008

Proj4 definition: `+proj=lcc +lat_1=43 +lat_2=40 +lat_0=39.83333333333334 +lon_0=-100 +x_0=500000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2820, NAD83(HARN) / Nevada East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 3429 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=tmerc +lat_0=34.75 +lon_0=-115.5833333333333 +k=0.9999 +x_0=200000 +y_0=8000000 +ellps=GRS80 +units=m +no_defs`

EPSG 2821, NAD83(HARN) / Nevada Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 3430 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=tmerc +lat_0=34.75 +lon_0=-116.6666666666667 +k=0.9999 +x_0=500000 +y_0=6000000 +ellps=GRS80 +units=m +no_defs`

EPSG 2822, NAD83(HARN) / Nevada West

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 3431 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=tmerc +lat_0=34.75 +lon_0=-118.5833333333333 +k=0.9999
+x_0=800000 +y_0=4000000 +ellps=GRS80 +units=m +no_defs
```

EPSG 2823, NAD83(HARN) / New Hampshire

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 3445 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=tmerc +lat_0=42.5 +lon_0=-71.66666666666667 +k=0.999966667
+x_0=300000 +y_0=0 +ellps=GRS80 +units=m +no_defs
```

EPSG 2824, NAD83(HARN) / New Jersey

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 3432 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=tmerc +lat_0=38.83333333333334 +lon_0=-74.5 +k=0.9999
+x_0=150000 +y_0=0 +ellps=GRS80 +units=m +no_defs
```

EPSG 2825, NAD83(HARN) / New Mexico East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2902 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=tmerc +lat_0=31 +lon_0=-104.3333333333333 +k=0.999909091
+x_0=165000 +y_0=0 +ellps=GRS80 +units=m +no_defs
```

EPSG 2826, NAD83(HARN) / New Mexico Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2903 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=tmerc +lat_0=31 +lon_0=-106.25 +k=0.9999 +x_0=500000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2827, NAD83(HARN) / New Mexico West

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2904 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=tmerc +lat_0=31 +lon_0=-107.8333333333333 +k=0.999916667 +x_0=830000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2828, NAD83(HARN) / New York East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2905 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=tmerc +lat_0=38.83333333333334 +lon_0=-74.5 +k=0.9999 +x_0=150000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2829, NAD83(HARN) / New York Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2906 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=tmerc +lat_0=40 +lon_0=-76.58333333333333 +k=0.9999375 +x_0=250000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2830, NAD83(HARN) / New York West

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2907 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=tmerc +lat_0=40 +lon_0=-78.58333333333333 +k=0.9999375 +x_0=350000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2831, NAD83(HARN) / New York Long Island

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2908 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=lcc +lat_1=41.03333333333333 +lat_2=40.66666666666666 +lat_0=40.16666666666666 +lon_0=-74 +x_0=300000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2832, NAD83(HARN) / North Dakota North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in International feet (note: not US survey feet). See code 2909 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=lcc +lat_1=48.73333333333333 +lat_2=47.43333333333333 +lat_0=47 +lon_0=-100.5 +x_0=600000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2833, NAD83(HARN) / North Dakota South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in International feet (note: not US survey feet). See code 2910 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=lcc +lat_1=47.48333333333333 +lat_2=46.18333333333333 +lat_0=45.66666666666666 +lon_0=-100.5 +x_0=600000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2834, NAD83(HARN) / Ohio North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3753 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 29.05.2007

Proj4 definition: `+proj=lcc +lat_1=41.7 +lat_2=40.43333333333333 +lat_0=39.66666666666666 +lon_0=-82.5 +x_0=600000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2835, NAD83(HARN) / Ohio South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3754 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 29.05.2007

Proj4 definition: `+proj=lcc +lat_1=40.03333333333333 +lat_2=38.73333333333333 +lat_0=38 +lon_0=-82.5 +x_0=600000 +y_0=0 +ellps=GRS80 +units=m`

+no_defs

EPSG 2836, NAD83(HARN) / Oklahoma North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2911 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: +proj=lcc +lat_1=36.76666666666667 +lat_2=35.56666666666667 +lat_0=35 +lon_0=-98 +x_0=600000 +y_0=0 +ellps=GRS80 +units=m +no_defs

EPSG 2837, NAD83(HARN) / Oklahoma South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2912 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: +proj=lcc +lat_1=35.23333333333333 +lat_2=33.93333333333333 +lat_0=33.33333333333334 +lon_0=-98 +x_0=600000 +y_0=0 +ellps=GRS80 +units=m +no_defs

EPSG 2838, NAD83(HARN) / Oregon North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in International feet (note: not US survey feet). See code 2913 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: +proj=lcc +lat_1=46 +lat_2=44.33333333333334 +lat_0=43.66666666666666 +lon_0=-120.5 +x_0=2500000 +y_0=0 +ellps=GRS80 +units=m +no_defs

EPSG 2839, NAD83(HARN) / Oregon South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in International feet (note: not US survey feet). See code 2914 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: +proj=lcc +lat_1=44 +lat_2=42.33333333333334 +lat_0=41.66666666666666 +lon_0=-120.5 +x_0=1500000 +y_0=0 +ellps=GRS80 +units=m +no_defs

EPSG 2840, NAD83(HARN) / Rhode Island

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 3446 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=tmerc +lat_0=41.08333333333334 +lon_0=-71.5 +k=0.99999375 +x_0=100000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2841, NAD83(HARN) / South Dakota North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 3458 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=lcc +lat_1=45.68333333333333 +lat_2=44.41666666666666 +lat_0=43.83333333333334 +lon_0=-100 +x_0=600000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2842, NAD83(HARN) / South Dakota South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 3459 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=lcc +lat_1=44.4 +lat_2=42.83333333333334 +lat_0=42.33333333333334 +lon_0=-100.3333333333333 +x_0=600000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2843, NAD83(HARN) / Tennessee

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2915 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=lcc +lat_1=36.41666666666666 +lat_2=35.25 +lat_0=34.33333333333334 +lon_0=-86 +x_0=600000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2844, NAD83(HARN) / Texas North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2916 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 `+proj=lcc +lat_1=36.18333333333333 +lat_2=34.65 +lat_0=34 +lon_0=-`

definition: 101.5 +x_0=200000 +y_0=1000000 +ellps=GRS80 +units=m +no_defs

EPSG 2845, NAD83(HARN) / Texas North Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2917 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: +proj=lcc +lat_1=33.96666666666667 +lat_2=32.13333333333333 +lat_0=31.66666666666667 +lon_0=-98.5 +x_0=600000 +y_0=2000000 +ellps=GRS80 +units=m +no_defs

EPSG 2846, NAD83(HARN) / Texas Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2918 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: +proj=lcc +lat_1=31.88333333333333 +lat_2=30.11666666666667 +lat_0=29.66666666666667 +lon_0=-100.3333333333333 +x_0=700000 +y_0=3000000 +ellps=GRS80 +units=m +no_defs

EPSG 2847, NAD83(HARN) / Texas South Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2919 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Not applicable to offshore areas. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 24.06.2008

Proj4 definition: +proj=lcc +lat_1=30.28333333333333 +lat_2=28.38333333333333 +lat_0=27.83333333333333 +lon_0=-99 +x_0=600000 +y_0=4000000 +ellps=GRS80 +units=m +no_defs

EPSG 2848, NAD83(HARN) / Texas South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2920 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Not applicable to offshore areas. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: +proj=lcc +lat_1=27.83333333333333 +lat_2=26.16666666666667 +lat_0=25.66666666666667 +lon_0=-98.5 +x_0=300000 +y_0=5000000 +ellps=GRS80 +units=m +no_defs

EPSG 2849, NAD83(HARN) / Utah North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. State law defining system in International feet (note: not US survey feet) has been withdrawn. Replaced by NAD83(NSRS2007) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=41.78333333333333 +lat_2=40.71666666666667
+lat_0=40.33333333333334 +lon_0=-111.5 +x_0=500000 +y_0=1000000
+ellps=GRS80 +units=m +no_defs
```

EPSG 2850, NAD83(HARN) / Utah Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. State law defining system in International feet (note: not US survey feet) has been withdrawn. Replaced by NAD83(NSRS2007) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=40.65 +lat_2=39.01666666666667
+lat_0=38.33333333333334 +lon_0=-111.5 +x_0=500000 +y_0=2000000
+ellps=GRS80 +units=m +no_defs
```

EPSG 2851, NAD83(HARN) / Utah South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. State law defining system in International feet (note: not US survey feet) has been withdrawn. Replaced by NAD83(NSRS2007) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=38.35 +lat_2=37.21666666666667
+lat_0=36.66666666666666 +lon_0=-111.5 +x_0=500000 +y_0=3000000
+ellps=GRS80 +units=m +no_defs
```

EPSG 2852, NAD83(HARN) / Vermont

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 5654 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 05.01.2012

Proj4 definition:
```
+proj=tmerc +lat_0=42.5 +lon_0=-72.5 +k=0.999964286 +x_0=500000
+y_0=0 +ellps=GRS80 +units=m +no_defs
```

EPSG 2853, NAD83(HARN) / Virginia North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2924 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4
```
+proj=lcc +lat_1=39.2 +lat_2=38.03333333333333
```

definition: `+lat_0=37.66666666666666 +lon_0=-78.5 +x_0=3500000 +y_0=2000000 +ellps=GRS80 +units=m +no_defs`

EPSG 2854, NAD83(HARN) / Virginia South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2925 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=lcc +lat_1=37.96666666666667 +lat_2=36.76666666666667 +lat_0=36.33333333333334 +lon_0=-78.5 +x_0=3500000 +y_0=1000000 +ellps=GRS80 +units=m +no_defs`

EPSG 2855, NAD83(HARN) / Washington North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2926 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=lcc +lat_1=48.73333333333333 +lat_2=47.5 +lat_0=47 +lon_0=-120.8333333333333 +x_0=500000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2856, NAD83(HARN) / Washington South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2927 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=lcc +lat_1=47.33333333333334 +lat_2=45.83333333333334 +lat_0=45.33333333333334 +lon_0=-120.5 +x_0=500000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2857, NAD83(HARN) / West Virginia North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See CRS code 26861 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 23.06.2008

Proj4 definition: `+proj=lcc +lat_1=40.25 +lat_2=39 +lat_0=38.5 +lon_0=-79.5 +x_0=600000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2858, NAD83(HARN) / West Virginia South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See CRS code 26862 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications

with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 23.06.2008

Proj4 definition:
```
+proj=lcc +lat_1=38.88333333333333 +lat_2=37.48333333333333
+lat_0=37 +lon_0=-81 +x_0=600000 +y_0=0 +ellps=GRS80 +units=m
+no_defs
```

EPSG 2859, NAD83(HARN) / Wisconsin North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2928 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=46.76666666666667 +lat_2=45.56666666666667
+lat_0=45.16666666666666 +lon_0=-90 +x_0=600000 +y_0=0 +ellps=GRS80
+units=m +no_defs
```

EPSG 2860, NAD83(HARN) / Wisconsin Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2929 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=45.5 +lat_2=44.25 +lat_0=43.83333333333334
+lon_0=-90 +x_0=600000 +y_0=0 +ellps=GRS80 +units=m +no_defs
```

EPSG 2861, NAD83(HARN) / Wisconsin South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2930 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=44.06666666666667 +lat_2=42.73333333333333
+lat_0=42 +lon_0=-90 +x_0=600000 +y_0=0 +ellps=GRS80 +units=m
+no_defs
```

EPSG 2862, NAD83(HARN) / Wyoming East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 3755 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=tmerc +lat_0=40.5 +lon_0=-105.1666666666667 +k=0.9999375
+x_0=200000 +y_0=0 +ellps=GRS80 +units=m +no_defs
```

EPSG 2863, NAD83(HARN) / Wyoming East Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 3756 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=tmerc +lat_0=40.5 +lon_0=-107.3333333333333 +k=0.9999375
+x_0=400000 +y_0=100000 +ellps=GRS80 +units=m +no_defs
```

EPSG 2864, NAD83(HARN) / Wyoming West Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 3757 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=tmerc +lat_0=40.5 +lon_0=-108.75 +k=0.9999375 +x_0=600000
+y_0=0 +ellps=GRS80 +units=m +no_defs
```

EPSG 2865, NAD83(HARN) / Wyoming West

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 3758 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 29.05.2007

Proj4 definition:
```
+proj=tmerc +lat_0=40.5 +lon_0=-110.0833333333333 +k=0.9999375
+x_0=800000 +y_0=100000 +ellps=GRS80 +units=m +no_defs
```

EPSG 2866, NAD83(HARN) / Puerto Rico and Virgin Is.

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD83 / SPCS (CRS code 32161) for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS (CRS code 4437).

Source: National Geodetic Survey

Revision: 30.06.2011

Proj4 definition:
```
+proj=lcc +lat_1=18.43333333333333 +lat_2=18.03333333333333
+lat_0=17.83333333333333 +lon_0=-66.43333333333334 +x_0=200000
+y_0=200000 +ellps=GRS80 +units=m +no_defs
```

EPSG 2867, NAD83(HARN) / Arizona East (ft)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in International feet (note: not US survey feet). Federal definition is metric - see code 2761. Replaces NAD83 / SPCS for applications with an accuracy of better than 3ft. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=tmerc +lat_0=31 +lon_0=-110.1666666666667 +k=0.9999
+x_0=213360 +y_0=0 +ellps=GRS80 +to_meter=0.3048 +no_defs
```

EPSG 2868, NAD83(HARN) / Arizona Central (ft)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in International feet (note: not US survey feet). Federal definition is metric - see code 2762. Replaces NAD83 / SPCS for applications with an accuracy of better than 3ft. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=tmerc +lat_0=31 +lon_0=-111.9166666666667 +k=0.9999
+x_0=213360 +y_0=0 +ellps=GRS80 +to_meter=0.3048 +no_defs
```

EPSG 2869, NAD83(HARN) / Arizona West (ft)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in International feet (note: not US survey feet). Federal definition is metric - see code 2763. Replaces NAD83 / SPCS for applications with an accuracy of better than 3ft. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=tmerc +lat_0=31 +lon_0=-113.75 +k=0.999933333 +x_0=213360
+y_0=0 +ellps=GRS80 +to_meter=0.3048 +no_defs
```

EPSG 2870, NAD83(HARN) / California zone 1 (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2766. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=41.66666666666666 +lat_2=40
+lat_0=39.33333333333334 +lon_0=-122 +x_0=2000000.0001016
+y_0=500000.0001016001 +ellps=GRS80 +to_meter=0.3048006096012192
+no_defs
```

EPSG 2871, NAD83(HARN) / California zone 2 (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2767. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=39.83333333333334 +lat_2=38.33333333333334
+lat_0=37.66666666666666 +lon_0=-122 +x_0=2000000.0001016
+y_0=500000.0001016001 +ellps=GRS80 +to_meter=0.3048006096012192
+no_defs
```

EPSG 2872, NAD83(HARN) / California zone 3 (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2768. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=38.43333333333333 +lat_2=37.06666666666667
+lat_0=36.5 +lon_0=-120.5 +x_0=2000000.0001016
+y_0=500000.0001016001 +ellps=GRS80 +to_meter=0.3048006096012192
+no_defs
```

EPSG 2873, NAD83(HARN) / California zone 4 (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2769. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=37.25 +lat_2=36 +lat_0=35.33333333333334 +lon_0=-
119 +x_0=2000000.0001016 +y_0=500000.0001016001 +ellps=GRS80
+to_meter=0.3048006096012192 +no_defs
```

EPSG 2874, NAD83(HARN) / California zone 5 (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2770. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=35.46666666666667 +lat_2=34.03333333333333
+lat_0=33.5 +lon_0=-118 +x_0=2000000.0001016 +y_0=500000.0001016001
+ellps=GRS80 +to_meter=0.3048006096012192 +no_defs
```

EPSG 2875, NAD83(HARN) / California zone 6 (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2771. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=33.88333333333333 +lat_2=32.78333333333333
+lat_0=32.16666666666666 +lon_0=-116.25 +x_0=2000000.0001016
+y_0=500000.0001016001 +ellps=GRS80 +to_meter=0.3048006096012192
+no_defs
```

EPSG 2876, NAD83(HARN) / Colorado North (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2772. Replaces NAD83 / SPCS for applications with an accuracy of

better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=40.78333333333333 +lat_2=39.71666666666667
+lat_0=39.33333333333334 +lon_0=-105.5 +x_0=914401.8288036576
+y_0=304800.6096012192 +ellps=GRS80 +to_meter=0.3048006096012192
+no_defs
```

EPSG 2877, NAD83(HARN) / Colorado Central (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2773. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=39.75 +lat_2=38.45 +lat_0=37.83333333333334
+lon_0=-105.5 +x_0=914401.8288036576 +y_0=304800.6096012192
+ellps=GRS80 +to_meter=0.3048006096012192 +no_defs
```

EPSG 2878, NAD83(HARN) / Colorado South (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2774. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=38.43333333333333 +lat_2=37.23333333333333
+lat_0=36.66666666666666 +lon_0=-105.5 +x_0=914401.8288036576
+y_0=304800.6096012192 +ellps=GRS80 +to_meter=0.3048006096012192
+no_defs
```

EPSG 2879, NAD83(HARN) / Connecticut (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2775. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=41.86666666666667 +lat_2=41.2
+lat_0=40.83333333333334 +lon_0=-72.75 +x_0=304800.6096012192
+y_0=152400.3048006096 +ellps=GRS80 +to_meter=0.3048006096012192
+no_defs
```

EPSG 2880, NAD83(HARN) / Delaware (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2776. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=tmerc +lat_0=38 +lon_0=-75.41666666666667 +k=0.999995 +x_0=200000.0001016002 +y_0=0 +ellps=GRS80 +to_meter=0.3048006096012192 +no_defs`

EPSG 2881, NAD83(HARN) / Florida East (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2777. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=tmerc +lat_0=24.33333333333333 +lon_0=-81 +k=0.999941177 +x_0=200000.0001016002 +y_0=0 +ellps=GRS80 +to_meter=0.3048006096012192 +no_defs`

EPSG 2882, NAD83(HARN) / Florida West (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2778. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=tmerc +lat_0=24.33333333333333 +lon_0=-82 +k=0.999941177 +x_0=200000.0001016002 +y_0=0 +ellps=GRS80 +to_meter=0.3048006096012192 +no_defs`

EPSG 2883, NAD83(HARN) / Florida North (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2779. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=lcc +lat_1=30.75 +lat_2=29.58333333333333 +lat_0=29 +lon_0=-84.5 +x_0=600000 +y_0=0 +ellps=GRS80 +to_meter=0.3048006096012192 +no_defs`

EPSG 2884, NAD83(HARN) / Georgia East (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2780. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=tmerc +lat_0=30 +lon_0=-82.16666666666667 +k=0.9999 +x_0=200000.0001016002 +y_0=0 +ellps=GRS80 +to_meter=0.3048006096012192 +no_defs`

EPSG 2885, NAD83(HARN) / Georgia West (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see

code 2781. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=tmerc +lat_0=30 +lon_0=-84.16666666666667 +k=0.9999
+x_0=699999.9998983998 +y_0=0 +ellps=GRS80
+to_meter=0.3048006096012192 +no_defs
```

EPSG 2886, NAD83(HARN) / Idaho East (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2787. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=tmerc +lat_0=41.66666666666666 +lon_0=-112.1666666666667
+k=0.9999473679999999 +x_0=200000.0001016002 +y_0=0 +ellps=GRS80
+to_meter=0.3048006096012192 +no_defs
```

EPSG 2887, NAD83(HARN) / Idaho Central (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2788. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=tmerc +lat_0=41.66666666666666 +lon_0=-114
+k=0.9999473679999999 +x_0=500000.0001016001 +y_0=0 +ellps=GRS80
+to_meter=0.3048006096012192 +no_defs
```

EPSG 2888, NAD83(HARN) / Idaho West (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2789. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=tmerc +lat_0=41.66666666666666 +lon_0=-115.75 +k=0.999933333
+x_0=800000.0001016001 +y_0=0 +ellps=GRS80
+to_meter=0.3048006096012192 +no_defs
```

EPSG 2891, NAD83(HARN) / Kentucky North (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2798. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4
```
+proj=lcc +lat_1=37.96666666666667 +lat_2=38.96666666666667
+lat_0=37.5 +lon_0=-84.25 +x_0=500000.0001016001 +y_0=0
```

definition: +ellps=GRS80 +to_meter=0.3048006096012192 +no_defs

EPSG 2892, NAD83(HARN) / Kentucky South (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2799. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: +proj=lcc +lat_1=37.93333333333333 +lat_2=36.73333333333333 +lat_0=36.33333333333334 +lon_0=-85.75 +x_0=500000.0001016001 +y_0=500000.0001016001 +ellps=GRS80 +to_meter=0.3048006096012192 +no_defs

EPSG 2893, NAD83(HARN) / Maryland (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2804. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: +proj=lcc +lat_1=39.45 +lat_2=38.3 +lat_0=37.66666666666666 +lon_0=-77 +x_0=399999.9998983998 +y_0=0 +ellps=GRS80 +to_meter=0.3048006096012192 +no_defs

EPSG 2894, NAD83(HARN) / Massachusetts Mainland (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2805. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: +proj=lcc +lat_1=42.68333333333333 +lat_2=41.71666666666667 +lat_0=41 +lon_0=-71.5 +x_0=200000.0001016002 +y_0=750000 +ellps=GRS80 +to_meter=0.3048006096012192 +no_defs

EPSG 2895, NAD83(HARN) / Massachusetts Island (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2806. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: +proj=lcc +lat_1=41.48333333333333 +lat_2=41.28333333333333 +lat_0=41 +lon_0=-70.5 +x_0=500000.0001016001 +y_0=0 +ellps=GRS80 +to_meter=0.3048006096012192 +no_defs

EPSG 2896, NAD83(HARN) / Michigan North (ft)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in International feet (note: not US survey feet).

Federal definition is metric - see code 2807. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 ft. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=47.08333333333334 +lat_2=45.48333333333333
+lat_0=44.78333333333333 +lon_0=-87 +x_0=7999999.999968001 +y_0=0
+ellps=GRS80 +to_meter=0.3048 +no_defs
```

EPSG 2897, NAD83(HARN) / Michigan Central (ft)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in International feet (note: not US survey feet). Federal definition is metric - see code 2808. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 ft. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=45.7 +lat_2=44.18333333333333
+lat_0=43.31666666666667 +lon_0=-84.36666666666666
+x_0=5999999.999976001 +y_0=0 +ellps=GRS80 +to_meter=0.3048
+no_defs
```

EPSG 2898, NAD83(HARN) / Michigan South (ft)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in International feet (note: not US survey feet). Federal definition is metric - see code 2809. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=43.66666666666666 +lat_2=42.1 +lat_0=41.5 +lon_0=-
84.36666666666666 +x_0=3999999.999984 +y_0=0 +ellps=GRS80
+to_meter=0.3048 +no_defs
```

EPSG 2899, NAD83(HARN) / Mississippi East (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2813. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=tmerc +lat_0=29.5 +lon_0=-88.83333333333333 +k=0.99995
+x_0=300000.0000000001 +y_0=0 +ellps=GRS80
+to_meter=0.3048006096012192 +no_defs
```

EPSG 2900, NAD83(HARN) / Mississippi West (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2814. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=tmerc +lat_0=29.5 +lon_0=-90.33333333333333 +k=0.99995
+x_0=699999.9998983998 +y_0=0 +ellps=GRS80
+to_meter=0.3048006096012192 +no_defs
```

EPSG 2901, NAD83(HARN) / Montana (ft)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in International feet (note: not US survey feet). Federal definition is metric - see code 2818. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=49 +lat_2=45 +lat_0=44.25 +lon_0=-109.5
+x_0=599999.9999976 +y_0=0 +ellps=GRS80 +to_meter=0.3048 +no_defs
```

EPSG 2902, NAD83(HARN) / New Mexico East (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2825. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=tmerc +lat_0=31 +lon_0=-104.3333333333333 +k=0.999909091
+x_0=165000 +y_0=0 +ellps=GRS80 +to_meter=0.3048006096012192
+no_defs
```

EPSG 2903, NAD83(HARN) / New Mexico Central (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2826. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=tmerc +lat_0=31 +lon_0=-106.25 +k=0.9999
+x_0=500000.0001016001 +y_0=0 +ellps=GRS80
+to_meter=0.3048006096012192 +no_defs
```

EPSG 2904, NAD83(HARN) / New Mexico West (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2827. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=tmerc +lat_0=31 +lon_0=-107.8333333333333 +k=0.999916667
+x_0=830000.0001016001 +y_0=0 +ellps=GRS80
+to_meter=0.3048006096012192 +no_defs
```

EPSG 2905, NAD83(HARN) / New York East (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2828. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=tmerc +lat_0=38.83333333333334 +lon_0=-74.5 +k=0.9999
+x_0=150000 +y_0=0 +ellps=GRS80 +to_meter=0.3048006096012192
+no_defs
```

EPSG 2906, NAD83(HARN) / New York Central (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2829. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=tmerc +lat_0=40 +lon_0=-76.58333333333333 +k=0.9999375
+x_0=249999.9998983998 +y_0=0 +ellps=GRS80
+to_meter=0.3048006096012192 +no_defs
```

EPSG 2907, NAD83(HARN) / New York West (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2830. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=tmerc +lat_0=40 +lon_0=-78.58333333333333 +k=0.9999375
+x_0=350000.0001016001 +y_0=0 +ellps=GRS80
+to_meter=0.3048006096012192 +no_defs
```

EPSG 2908, NAD83(HARN) / New York Long Island (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2831. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=41.03333333333333 +lat_2=40.66666666666666
+lat_0=40.16666666666666 +lon_0=-74 +x_0=300000.0000000001 +y_0=0
+ellps=GRS80 +to_meter=0.3048006096012192 +no_defs
```

EPSG 2909, NAD83(HARN) / North Dakota North (ft)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in International feet (note: not US survey feet). Federal definition is metric - see code 2832. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=lcc +lat_1=48.73333333333333 +lat_2=47.43333333333333 +lat_0=47 +lon_0=-100.5 +x_0=599999.9999976 +y_0=0 +ellps=GRS80 +to_meter=0.3048 +no_defs`

EPSG 2910, NAD83(HARN) / North Dakota South (ft)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in International feet (note: not US survey feet). Federal definition is metric - see code 2833. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=lcc +lat_1=47.48333333333333 +lat_2=46.18333333333333 +lat_0=45.66666666666666 +lon_0=-100.5 +x_0=599999.9999976 +y_0=0 +ellps=GRS80 +to_meter=0.3048 +no_defs`

EPSG 2911, NAD83(HARN) / Oklahoma North (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2836. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=lcc +lat_1=36.76666666666667 +lat_2=35.56666666666667 +lat_0=35 +lon_0=-98 +x_0=600000 +y_0=0 +ellps=GRS80 +to_meter=0.3048006096012192 +no_defs`

EPSG 2912, NAD83(HARN) / Oklahoma South (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2837. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=lcc +lat_1=35.23333333333333 +lat_2=33.93333333333333 +lat_0=33.33333333333334 +lon_0=-98 +x_0=600000 +y_0=0 +ellps=GRS80 +to_meter=0.3048006096012192 +no_defs`

EPSG 2913, NAD83(HARN) / Oregon North (ft)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in International feet (note: not US survey feet). Federal definition is metric - see code 2838. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 ft. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=lcc +lat_1=46 +lat_2=44.33333333333334 +lat_0=43.66666666666666 +lon_0=-120.5 +x_0=2500000.0001424 +y_0=0 +ellps=GRS80 +to_meter=0.3048 +no_defs`

EPSG 2914, NAD83(HARN) / Oregon South (ft)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in International feet (note: not US survey feet). Federal definition is metric - see code 2839. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 ft. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=44 +lat_2=42.33333333333334
+lat_0=41.66666666666666 +lon_0=-120.5 +x_0=1500000.0001464 +y_0=0
+ellps=GRS80 +to_meter=0.3048 +no_defs
```

EPSG 2915, NAD83(HARN) / Tennessee (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2843. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=36.41666666666666 +lat_2=35.25
+lat_0=34.33333333333334 +lon_0=-86 +x_0=600000 +y_0=0 +ellps=GRS80
+to_meter=0.3048006096012192 +no_defs
```

EPSG 2916, NAD83(HARN) / Texas North (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2844. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=36.18333333333333 +lat_2=34.65 +lat_0=34 +lon_0=-
101.5 +x_0=200000.0001016002 +y_0=999999.9998983998 +ellps=GRS80
+to_meter=0.3048006096012192 +no_defs
```

EPSG 2917, NAD83(HARN) / Texas North Central (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2845. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=33.96666666666667 +lat_2=32.13333333333333
+lat_0=31.66666666666667 +lon_0=-98.5 +x_0=600000
+y_0=2000000.0001016 +ellps=GRS80 +to_meter=0.3048006096012192
+no_defs
```

EPSG 2918, NAD83(HARN) / Texas Central (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2846. Replaces NAD83 / SPCS for applications with an accuracy of

better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=31.88333333333333 +lat_2=30.11666666666667
+lat_0=29.66666666666667 +lon_0=-100.3333333333333
+x_0=699999.9998983998 +y_0=3000000 +ellps=GRS80
+to_meter=0.3048006096012192 +no_defs
```

EPSG 2919, NAD83(HARN) / Texas South Central (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2847. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Not applicable to offshore areas. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=30.28333333333333 +lat_2=28.38333333333333
+lat_0=27.83333333333333 +lon_0=-99 +x_0=600000
+y_0=3999999.9998984 +ellps=GRS80 +to_meter=0.3048006096012192
+no_defs
```

EPSG 2920, NAD83(HARN) / Texas South (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2848. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Not applicable to offshore areas. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=27.83333333333333 +lat_2=26.16666666666667
+lat_0=25.66666666666667 +lon_0=-98.5 +x_0=300000.0000000001
+y_0=5000000.0001016 +ellps=GRS80 +to_meter=0.3048006096012192
+no_defs
```

EPSG 2921, NAD83(HARN) / Utah North (ft)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defining system in International feet (note: not US survey feet) has been withdrawn. Federal definition is metric - see code 2849. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 ft. Replaced by NAD83(NSRS2007) / SPCS.

Source: U.S. National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=41.78333333333333 +lat_2=40.71666666666667
+lat_0=40.33333333333334 +lon_0=-111.5 +x_0=500000.0001504
+y_0=999999.9999960001 +ellps=GRS80 +to_meter=0.3048 +no_defs
```

EPSG 2922, NAD83(HARN) / Utah Central (ft)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defining system in International feet (note: not US survey feet) has been withdrawn. Federal definition is metric - see code 2850. Replaces

NAD83 / SPCS for applications with an accuracy of better than 3 ft. Replaced by NAD83(NSRS2007) / SPCS.

Source: U.S. National Geodetic Survey http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=40.65 +lat_2=39.01666666666667
+lat_0=38.33333333333334 +lon_0=-111.5 +x_0=500000.0001504
+y_0=1999999.999992 +ellps=GRS80 +to_meter=0.3048 +no_defs
```

EPSG 2923, NAD83(HARN) / Utah South (ft)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defining system in International feet (note: not US survey feet) has been withdrawn. Federal definition is metric - see code 2851. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 ft. Replaced by NAD83(NSRS2007) / SPCS.

Source: U.S. National Geodetic Survey http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=38.35 +lat_2=37.21666666666667
+lat_0=36.66666666666666 +lon_0=-111.5 +x_0=500000.0001504
+y_0=2999999.999988 +ellps=GRS80 +to_meter=0.3048 +no_defs
```

EPSG 2924, NAD83(HARN) / Virginia North (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2853. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=39.2 +lat_2=38.03333333333333
+lat_0=37.66666666666666 +lon_0=-78.5 +x_0=3500000.0001016
+y_0=2000000.0001016 +ellps=GRS80 +to_meter=0.3048006096012192
+no_defs
```

EPSG 2925, NAD83(HARN) / Virginia South (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2854. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=37.96666666666667 +lat_2=36.76666666666667
+lat_0=36.33333333333334 +lon_0=-78.5 +x_0=3500000.0001016
+y_0=999999.9998983998 +ellps=GRS80 +to_meter=0.3048006096012192
+no_defs
```

EPSG 2926, NAD83(HARN) / Washington North (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2855. Replaces NAD83 / SPCS for applications with an accuracy of

better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=lcc +lat_1=48.73333333333333 +lat_2=47.5 +lat_0=47 +lon_0=-120.8333333333333 +x_0=500000.0001016001 +y_0=0 +ellps=GRS80 +to_meter=0.3048006096012192 +no_defs`

EPSG 2927, NAD83(HARN) / Washington South (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2856. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=lcc +lat_1=47.33333333333334 +lat_2=45.83333333333334 +lat_0=45.33333333333334 +lon_0=-120.5 +x_0=500000.0001016001 +y_0=0 +ellps=GRS80 +to_meter=0.3048006096012192 +no_defs`

EPSG 2928, NAD83(HARN) / Wisconsin North (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2859. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=lcc +lat_1=46.76666666666667 +lat_2=45.56666666666667 +lat_0=45.16666666666666 +lon_0=-90 +x_0=600000 +y_0=0 +ellps=GRS80 +to_meter=0.3048006096012192 +no_defs`

EPSG 2929, NAD83(HARN) / Wisconsin Central (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2860. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=lcc +lat_1=45.5 +lat_2=44.25 +lat_0=43.83333333333334 +lon_0=-90 +x_0=600000 +y_0=0 +ellps=GRS80 +to_meter=0.3048006096012192 +no_defs`

EPSG 2930, NAD83(HARN) / Wisconsin South (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2861. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=lcc +lat_1=44.06666666666667 +lat_2=42.73333333333333 +lat_0=42 +lon_0=-90 +x_0=600000 +y_0=0 +ellps=GRS80 +to_meter=0.3048006096012192 +no_defs`

EPSG 2931, Beduaram / TM 13 NE

Scope: Oil exploration.
Remarks: Used by Elf in 1986.
Source: TotalFinaElf
Revision: 30.08.2003
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=13 +k=0.9996 +x_0=500000 +y_0=0 +a=6378249.2 +b=6356515 +towgs84=-106,-87,188,0,0,0,0 +units=m +no_defs`

EPSG 2932, QND95 / Qatar National Grid

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Qatar Centre for Geographic Information.
Revision: 28.06.2002
Proj4 definition: `+proj=tmerc +lat_0=24.45 +lon_0=51.21666666666667 +k=0.99999 +x_0=200000 +y_0=300000 +ellps=intl +towgs84=-119.425,-303.659,-11.0006,1.1643,0.174458,1.09626,3.65706 +units=m +no_defs`

EPSG 2933, Segara / UTM zone 50S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: TotalFinaElf
Revision: 22.06.2002
Proj4 definition: `+proj=utm +zone=50 +south +ellps=bessel +units=m +no_defs`

EPSG 2935, Pulkovo 1942 / CS63 zone A1

Scope: Large scale topographic mapping, cadastral and engineering survey.
Remarks:
Source: OGP
Revision: 28.06.2002
Proj4 definition: `+proj=tmerc +lat_0=0.1166666666666667 +lon_0=41.53333333333333 +k=1 +x_0=1300000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2936, Pulkovo 1942 / CS63 zone A2

Scope: Large scale topographic mapping, cadastral and engineering survey.
Remarks:
Source: OGP
Revision: 28.06.2002
Proj4 definition: `+proj=tmerc +lat_0=0.1166666666666667 +lon_0=44.53333333333333 +k=1 +x_0=2300000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 2937, Pulkovo 1942 / CS63 zone A3

Scope: Large scale topographic mapping, cadastral and engineering survey.
Remarks:
Source: OGP
Revision: 28.06.2002
Proj4 `+proj=tmerc +lat_0=0.1166666666666667 +lon_0=47.53333333333333`

definition: +k=1 +x_0=3300000 +y_0=0 +ellps=krass +units=m +no_defs

EPSG 2938, Pulkovo 1942 / CS63 zone A4

Scope: Large scale topographic mapping, cadastral and engineering survey.
Remarks:
Source: OGP
Revision: 28.06.2002
Proj4 definition: +proj=tmerc +lat_0=0.1166666666666667 +lon_0=50.53333333333333 +k=1 +x_0=4300000 +y_0=0 +ellps=krass +units=m +no_defs

EPSG 2939, Pulkovo 1942 / CS63 zone K2

Scope: Large scale topographic mapping, cadastral and engineering survey.
Remarks:
Source: OGP
Revision: 28.06.2002
Proj4 definition: +proj=tmerc +lat_0=0.1333333333333333 +lon_0=50.76666666666667 +k=1 +x_0=2300000 +y_0=0 +ellps=krass +units=m +no_defs

EPSG 2940, Pulkovo 1942 / CS63 zone K3

Scope: Large scale topographic mapping, cadastral and engineering survey.
Remarks:
Source: OGP
Revision: 28.06.2002
Proj4 definition: +proj=tmerc +lat_0=0.1333333333333333 +lon_0=53.76666666666667 +k=1 +x_0=3300000 +y_0=0 +ellps=krass +units=m +no_defs

EPSG 2941, Pulkovo 1942 / CS63 zone K4

Scope: Large scale topographic mapping, cadastral and engineering survey.
Remarks:
Source: OGP
Revision: 28.06.2002
Proj4 definition: +proj=tmerc +lat_0=0.1333333333333333 +lon_0=56.76666666666667 +k=1 +x_0=4300000 +y_0=0 +ellps=krass +units=m +no_defs

EPSG 2942, Porto Santo / UTM zone 28N

Scope: Topographic mapping.
Remarks:
Source: Instituto Geografico e Cadastral Lisbon; http://www.igeo.pt
Revision: 27.05.2005
Proj4 definition: +proj=utm +zone=28 +ellps=intl +towgs84=-499,-249,314,0,0,0,0 +units=m +no_defs

EPSG 2943, Selvagem Grande / UTM zone 28N

Scope: Topographic mapping.
Remarks:
Source: Instituto Geografico e Cadastral Lisbon; http://www.igeo.pt
Revision: 14.08.2003

Proj4 definition: +proj=utm +zone=28 +ellps=intl +units=m +no_defs

EPSG 2945, NAD83(CSRS) / MTM zone 3

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Known in Quebec as "NAD83(CSRS) / SCoPQ zone 3" with axis 1 and 2 abbreviations of "X" and "Y" respectively.

Source: Topographic Mapping Section; Quebec Ministry of Natural Resources.

Revision: 30.06.2011

Proj4 definition: +proj=tmerc +lat_0=0 +lon_0=-58.5 +k=0.9999 +x_0=304800 +y_0=0 +ellps=GRS80 +units=m +no_defs

EPSG 2946, NAD83(CSRS) / MTM zone 4

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Known in Quebec as "NAD83(CSRS) / SCoPQ zone 4" with axis 1 and 2 abbreviations of "X" and "Y" respectively.

Source: Topographic Mapping Section; Quebec Ministry of Natural Resources.

Revision: 30.06.2011

Proj4 definition: +proj=tmerc +lat_0=0 +lon_0=-61.5 +k=0.9999 +x_0=304800 +y_0=0 +ellps=GRS80 +units=m +no_defs

EPSG 2947, NAD83(CSRS) / MTM zone 5

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Known in Quebec as "NAD83(CSRS) / SCoPQ zone 5" with axis 1 and 2 abbreviations of "X" and "Y" respectively.

Source: Topographic Mapping Section; Quebec Ministry of Natural Resources.

Revision: 30.06.2011

Proj4 definition: +proj=tmerc +lat_0=0 +lon_0=-64.5 +k=0.9999 +x_0=304800 +y_0=0 +ellps=GRS80 +units=m +no_defs

EPSG 2948, NAD83(CSRS) / MTM zone 6

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Known in Quebec as "NAD83(CSRS) / SCoPQ zone 6" with axis 1 and 2 abbreviations of "X" and "Y" respectively.

Source: Topographic Mapping Section; Quebec Ministry of Natural Resources.

Revision: 30.06.2011

Proj4 definition: +proj=tmerc +lat_0=0 +lon_0=-67.5 +k=0.9999 +x_0=304800 +y_0=0 +ellps=GRS80 +units=m +no_defs

EPSG 2949, NAD83(CSRS) / MTM zone 7

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Known in Quebec as "NAD83(CSRS) / SCoPQ zone 7" with axis 1 and 2 abbreviations of "X" and "Y" respectively.

Source: Topographic Mapping Section; Quebec Ministry of Natural Resources.

Revision: 08.02.2008

Proj4 definition: +proj=tmerc +lat_0=0 +lon_0=-70.5 +k=0.9999 +x_0=304800 +y_0=0 +ellps=GRS80 +units=m +no_defs

EPSG 2950, NAD83(CSRS) / MTM zone 8

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Known in Quebec as "NAD83(CSRS) / SCoPQ zone 8" with axis 1 and 2 abbreviations of "X" and "Y" respectively.
Source: Topographic Mapping Section; Quebec Ministry of Natural Resources.
Revision: 30.06.2011
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-73.5 +k=0.9999 +x_0=304800 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2951, NAD83(CSRS) / MTM zone 9

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Known in Quebec as "NAD83(CSRS) / SCoPQ zone 9" with axis 1 and 2 abbreviations of "X" and "Y" respectively.
Source: Topographic Mapping Section; Quebec Ministry of Natural Resources.
Revision: 30.06.2011
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-76.5 +k=0.9999 +x_0=304800 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2952, NAD83(CSRS) / MTM zone 10

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Known in Quebec as "NAD83(CSRS) / SCoPQ zone 10" with axis 1 and 2 abbreviations of "X" and "Y" respectively.
Source: Topographic Mapping Section; Quebec Ministry of Natural Resources.
Revision: 30.06.2011
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-79.5 +k=0.9999 +x_0=304800 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 2953, NAD83(CSRS) / New Brunswick Stereographic

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: In use from 1999.
Source: Service New Brunswick Land and Information Standards Manual
Revision: 13.07.2002
Proj4 definition: `+proj=sterea +lat_0=46.5 +lon_0=-66.5 +k=0.999912 +x_0=2500000 +y_0=7500000 +ellps=GRS80 +units=m +no_defs`

EPSG 2954, NAD83(CSRS) / Prince Edward Isl. Stereographic (NAD83)

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: PEI Department of Transportation & Public Works
Revision: 13.07.2002
Proj4 definition: `+proj=sterea +lat_0=47.25 +lon_0=-63 +k=0.999912 +x_0=400000 +y_0=800000 +ellps=GRS80 +units=m +no_defs`

EPSG 2955, NAD83(CSRS) / UTM zone 11N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: In use from 2000.
Source: Geomatics Canada. http://ess.nrcan.gc.ca/geocan/
Revision: 29.05.2007

Proj4 definition: +proj=utm +zone=11 +ellps=GRS80 +units=m +no_defs

EPSG 2956, NAD83(CSRS) / UTM zone 12N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: In use from 2000.
Source: Geomatics Canada. http://ess.nrcan.gc.ca/geocan/
Revision: 29.05.2007
Proj4 definition: +proj=utm +zone=12 +ellps=GRS80 +units=m +no_defs

EPSG 2957, NAD83(CSRS) / UTM zone 13N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: In use from 2000.
Source: Geomatics Canada. http://ess.nrcan.gc.ca/geocan/
Revision: 29.05.2007
Proj4 definition: +proj=utm +zone=13 +ellps=GRS80 +units=m +no_defs

EPSG 2958, NAD83(CSRS) / UTM zone 17N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: In use from 2000.
Source: Geomatics Canada. http://ess.nrcan.gc.ca/geocan/
Revision: 30.07.2006
Proj4 definition: +proj=utm +zone=17 +ellps=GRS80 +units=m +no_defs

EPSG 2959, NAD83(CSRS) / UTM zone 18N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: In use from 2000.
Source: Geomatics Canada. http://ess.nrcan.gc.ca/geocan/
Revision: 30.07.2006
Proj4 definition: +proj=utm +zone=18 +ellps=GRS80 +units=m +no_defs

EPSG 2960, NAD83(CSRS) / UTM zone 19N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: In use from 1999.
Source: Geomatics Canada. http://ess.nrcan.gc.ca/geocan/
Revision: 29.05.2007
Proj4 definition: +proj=utm +zone=19 +ellps=GRS80 +units=m +no_defs

EPSG 2961, NAD83(CSRS) / UTM zone 20N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: In use from 1999.
Source: Geomatics Canada. http://ess.nrcan.gc.ca/geocan/
Revision: 29.05.2007
Proj4 definition: +proj=utm +zone=20 +ellps=GRS80 +units=m +no_defs

EPSG 2962, NAD83(CSRS) / UTM zone 21N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: In use from 2000.

Source: Geomatics Canada. http://ess.nrcan.gc.ca/geocan/

Revision: 30.07.2006

Proj4 definition: `+proj=utm +zone=21 +ellps=GRS80 +units=m +no_defs`

EPSG 2963, Lisbon 1890 (Lisbon) / Portugal Bonne

Scope: Medium scale topographic mapping.

Remarks: Replaced by definition using Greenwich meridian, CRS code 5017.

Source: Geodetic Services Directorate, Instituto Geografico e Cadastral, Lisbon; http://www.igeo.pt/

Revision: 31.03.2010

Proj4 definition: `+proj=utm +zone=21 +ellps=GRS80 +units=m +no_defs`

EPSG 2964, NAD27 / Alaska Albers

Scope: Small scale mapping and state planning.

Remarks:

Source: Various industry sources.

Revision: 19.09.2002

Proj4 definition: `+proj=aea +lat_1=55 +lat_2=65 +lat_0=50 +lon_0=-154 +x_0=0 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 2965, NAD83 / Indiana East (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 26973. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 13.10.2002

Proj4 definition: `+proj=tmerc +lat_0=37.5 +lon_0=-85.66666666666667 +k=0.999966667 +x_0=99999.99989839978 +y_0=249999.9998983998 +ellps=GRS80 +datum=NAD83 +to_meter=0.3048006096012192 +no_defs`

EPSG 2966, NAD83 / Indiana West (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 26974. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 13.10.2002

Proj4 definition: `+proj=tmerc +lat_0=37.5 +lon_0=-87.08333333333333 +k=0.999966667 +x_0=900000 +y_0=249999.9998983998 +ellps=GRS80 +datum=NAD83 +to_meter=0.3048006096012192 +no_defs`

EPSG 2967, NAD83(HARN) / Indiana East (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see

code 2792. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=tmerc +lat_0=37.5 +lon_0=-85.66666666666667 +k=0.999966667 +x_0=99999.99989839978 +y_0=249999.9998983998 +ellps=GRS80 +to_meter=0.3048006096012192 +no_defs`

EPSG 2968, NAD83(HARN) / Indiana West (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2793. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=tmerc +lat_0=37.5 +lon_0=-87.08333333333333 +k=0.999966667 +x_0=900000 +y_0=249999.9998983998 +ellps=GRS80 +to_meter=0.3048006096012192 +no_defs`

EPSG 2969, Fort Marigot / UTM zone 20N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced by RRAF 1991 / UTM zone 20N (CRS code 4559).

Source: IGN Paris

Revision: 24.11.2009

Proj4 definition: `+proj=utm +zone=20 +ellps=intl +towgs84=137,248,-430,0,0,0,0 +units=m +no_defs`

EPSG 2970, Guadeloupe 1948 / UTM zone 20N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced by RRAF 1991 / UTM zone 20N (CRS code 4559).

Source: IGN Paris

Revision: 24.11.2009

Proj4 definition: `+proj=utm +zone=20 +ellps=intl +units=m +no_defs`

EPSG 2971, CSG67 / UTM zone 22N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced by RGFG95 / UTM zone 22N (CRS code 2972).

Source: IGN Paris

Revision: 02.11.2010

Proj4 definition: `+proj=utm +zone=22 +ellps=intl +towgs84=-186,230,110,0,0,0,0 +units=m +no_defs`

EPSG 2972, RGFG95 / UTM zone 22N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces CSG67 / UTM zone 22N (CRS code 2971).

Source: IGN Paris

Revision: 29.11.2002

Proj4 definition: `+proj=utm +zone=22 +ellps=GRS80 +towgs84=2,2,-2,0,0,0,0 +units=m +no_defs`

EPSG 2973, Martinique 1938 / UTM zone 20N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced by RRAF 1991 / UTM zone 20N (CRS code 4559).

Source: IGN Paris

Revision: 24.11.2009

Proj4 definition: `+proj=utm +zone=20 +ellps=intl +units=m +no_defs`

EPSG 2975, RGR92 / UTM zone 40S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces Piton des Neiges / TM Reunion (CRS code 2990)

Source: IGN Paris

Revision: 05.01.2012

Proj4 definition: `+proj=utm +zone=40 +south +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 2976, Tahiti 52 / UTM zone 6S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced by Tahiti 79 / UTM zone 6S (CRS code 3304) in Tahiti and Moorea 87 / UTM zone 6S (code 3305) in Moorea.

Source: Gouvernement de la Polynésie Française, Service de l'Urbanisme, Section topographie.

Revision: 12.08.2005

Proj4 definition: `+proj=utm +zone=6 +south +ellps=intl +towgs84=162,117,154,0,0,0,0 +units=m +no_defs`

EPSG 2977, Tahaa 54 / UTM zone 5S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced by RGPF / UTM zone 5S, CRS code 3296.

Source: Gouvernement de la Polynésie Française, Service de l'Urbanisme, Section topographie.

Revision: 12.08.2005

Proj4 definition: `+proj=utm +zone=5 +south +ellps=intl +units=m +no_defs`

EPSG 2978, IGN72 Nuku Hiva / UTM zone 7S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced by RGPF / UTM zone 7S, CRS code 3298.

Source: IGN Paris

Revision: 12.08.2005

Proj4 definition: `+proj=utm +zone=7 +south +ellps=intl +units=m +no_defs`

EPSG 2980, Combani 1950 / UTM zone 38S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced by Cadastre 1997 / UTM zone 38S (CRS code 5879) for

cadastral purposes only and by RGM04 / UTM zone 38S (CRS code 4471) for all other purposes.

Source: IGN Paris

Revision: 26.11.2012

Proj4 definition: `+proj=utm +zone=38 +south +ellps=intl +towgs84=-382,-59,-262,0,0,0,0 +units=m +no_defs`

EPSG 2981, IGN56 Lifou / UTM zone 58S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced by RGNC91-93 / Lambert Caledonie (CRS code 3163).

Source: Service Topographique de la Nouvelle Caledonie, Direction des Infrastructures, de la Topographie et des Transports Terrestres. www.dittt.gouv.nc

Revision: 21.07.2006

Proj4 definition: `+proj=utm +zone=58 +south +ellps=intl +units=m +no_defs`

EPSG 2985, Petrels 1972 / Terre Adelie Polar Stereographic

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: IGN Paris

Revision: 30.03.2010

Proj4 definition: `+proj=utm +zone=58 +south +ellps=intl +units=m +no_defs`

EPSG 2986, Perroud 1950 / Terre Adelie Polar Stereographic

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: IGN Paris

Revision: 30.03.2010

Proj4 definition: `+proj=utm +zone=58 +south +ellps=intl +units=m +no_defs`

EPSG 2987, Saint Pierre et Miquelon 1950 / UTM zone 21N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced by RGSPM06 / UTM zone 21N (CRS code 4467).

Source: IGN Paris

Revision: 25.01.2011

Proj4 definition: `+proj=utm +zone=21 +ellps=clrk66 +towgs84=30,430,368,0,0,0,0 +units=m +no_defs`

EPSG 2988, MOP78 / UTM zone 1S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: IGN Paris

Revision: 29.11.2002

Proj4 definition: `+proj=utm +zone=1 +south +ellps=intl +units=m +no_defs`

EPSG 2991, NAD83 / Oregon Lambert

Scope: Used by Oregon agencies for publishing State-wide spatial data in a single projected system.

Remarks: State law defines use of International feet (note: not US survey feet). See code 2992 for non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / Oregon Lambert (code 2993).

Source: Oregon Geographic Information Council - Oregon Geospatial Data Clearing House, www.gis.state.or.us/coord/project/gpl.html

Revision: 19.12.2002

Proj4 definition:
```
+proj=lcc +lat_1=43 +lat_2=45.5 +lat_0=41.75 +lon_0=-120.5
+x_0=400000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs
```

EPSG 2992, NAD83 / Oregon Lambert (ft)

Scope: Used by Oregon agencies for publishing State-wide spatial data in a single projected system.

Remarks: State law defines use of International feet (note: not US survey feet). See code 2991 for metric definition. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / Oregon Lambert (ft) (code 2994).

Source: Oregon Geographic Information Council - Oregon Geospatial Data Clearing House, www.gis.state.or.us/coord/project/gpl.html

Revision: 19.12.2002

Proj4 definition:
```
+proj=lcc +lat_1=43 +lat_2=45.5 +lat_0=41.75 +lon_0=-120.5
+x_0=399999.9999984 +y_0=0 +ellps=GRS80 +datum=NAD83
+to_meter=0.3048 +no_defs
```

EPSG 2993, NAD83(HARN) / Oregon Lambert

Scope: Used by Oregon agencies for publishing State-wide spatial data in a single projected system.

Remarks: State law defines use of International feet (note: not US survey feet). See code 2994 for non-metric definition. Replaces NAD83 / Oregon Lambert for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: Oregon Geographic Information Council - Oregon Geospatial Data Clearing House, www.gis.state.or.us/coord/project/gpl.html

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=43 +lat_2=45.5 +lat_0=41.75 +lon_0=-120.5
+x_0=400000 +y_0=0 +ellps=GRS80 +units=m +no_defs
```

EPSG 2994, NAD83(HARN) / Oregon Lambert (ft)

Scope: Used by Oregon agencies for publishing State-wide spatial data in a single projected system.

Remarks: State law defines use of International feet (note: not US survey feet). See code 2993 for metric definition. Replaces NAD83 / Oregon Lambert (ft) for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: Oregon Geographic Information Council - Oregon Geospatial Data Clearing House, www.gis.state.or.us/coord/project/gpl.html

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=43 +lat_2=45.5 +lat_0=41.75 +lon_0=-120.5
+x_0=399999.9999984 +y_0=0 +ellps=GRS80 +to_meter=0.3048 +no_defs
```

EPSG 2995, IGN53 Mare / UTM zone 58S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaced by RGNC91-93 / Lambert Caledonie (CRS code 3163).
Source: Service Topographique de la Nouvelle Caledonie, Direction des Infrastructures, de la Topographie et des Transports Terrestres. www.dittt.gouv.nc
Revision: 21.07.2006
Proj4 definition: `+proj=utm +zone=58 +south +ellps=intl +units=m +no_defs`

EPSG 2996, ST84 Ile des Pins / UTM zone 58S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaced by RGNC91-93 / Lambert Caledonie (CRS code 3163).
Source: Service Topographique de la Nouvelle Caledonie, Direction des Infrastructures, de la Topographie et des Transports Terrestres. www.dittt.gouv.nc
Revision: 21.07.2006
Proj4 definition: `+proj=utm +zone=58 +south +ellps=intl +units=m +no_defs`

EPSG 2997, ST71 Belep / UTM zone 58S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaced by RGNC91-93 / Lambert Caledonie (CRS code 3163).
Source: IGN Paris
Revision: 21.07.2006
Proj4 definition: `+proj=utm +zone=58 +south +ellps=intl +towgs84=-480.26,-438.32,-643.429,16.3119,20.1721,-4.0349,-111.7 +units=m +no_defs`

EPSG 2998, NEA74 Noumea / UTM zone 58S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaced by RGNC91-93 / Lambert Caledonie (CRS code 3163).
Source: IGN Paris
Revision: 21.07.2006
Proj4 definition: `+proj=utm +zone=58 +south +ellps=intl +units=m +no_defs`

EPSG 2999, Grand Comoros / UTM zone 38S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: IGN Paris
Revision: 29.11.2002
Proj4 definition: `+proj=utm +zone=38 +south +ellps=intl +units=m +no_defs`

EPSG 3000, Segara / NEIEZ

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: OGP

Revision: 16.01.2003

Proj4 definition: `+proj=merc +lon_0=110 +k=0.997 +x_0=3900000 +y_0=900000 +ellps=bessel +units=m +no_defs`

EPSG 3001, Batavia / NEIEZ

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: OGP

Revision: 16.01.2003

Proj4 definition: `+proj=merc +lon_0=110 +k=0.997 +x_0=3900000 +y_0=900000 +ellps=bessel +units=m +no_defs`

EPSG 3002, Makassar / NEIEZ

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: OGP

Revision: 16.01.2003

Proj4 definition: `+proj=merc +lon_0=110 +k=0.997 +x_0=3900000 +y_0=900000 +ellps=bessel +towgs84=-587.8,519.75,145.76,0,0,0,0 +units=m +no_defs`

EPSG 3003, Monte Mario / Italy zone 1

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: OGP

Revision: 27.05.2005

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=9 +k=0.9996 +x_0=1500000 +y_0=0 +ellps=intl +units=m +no_defs`

EPSG 3004, Monte Mario / Italy zone 2

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: OGP

Revision: 27.05.2005

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=15 +k=0.9996 +x_0=2520000 +y_0=0 +ellps=intl +units=m +no_defs`

EPSG 3005, NAD83 / BC Albers

Scope: Spatial data storage and use for whole province in grid coordinates.

Remarks: This CRS name may sometimes be used as an alias for NAD83(CSRS) / BC Albers. See CRS code 3153

Source: Government of British Columbia Ministry of Sustainable Resource Management. http://srmwww.gov.bc.ca/gis/bceprojection.html

Revision: 30.07.2006

Proj4 definition: `+proj=aea +lat_1=50 +lat_2=58.5 +lat_0=45 +lon_0=-126 +x_0=1000000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 3006, SWEREF99 TM

Scope: Medium and small scale topographic mapping.

Remarks: From 2003 replaces RT90 2.5 gon V (CRS code 3021). For large scale applications see CRS codes 3007-18.

Source: Lantmateriverket (National Land Survey of Sweden). http://www.lantmateriet.se

Revision: 01.03.2010

Proj4 definition:
```
+proj=utm +zone=33 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m
+no_defs
```

EPSG 3007, SWEREF99 12 00

Scope: Large scale (1:10,000 and greater) topographic mapping, engineering and cadastral survey.

Remarks: From 2003 replaces RT90 systems (CRS codes 3019-24). For medium and small scale applications see SWEREF 99 TM (CRS code 3006).

Source: Lantmateriverket (National Land Survey of Sweden). http://www.lantmateriet.se

Revision: 01.03.2010

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=12 +k=1 +x_0=150000 +y_0=0
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3008, SWEREF99 13 30

Scope: Large scale (1:10,000 and greater) topographic mapping, engineering and cadastral survey.

Remarks: From 2003 replaces RT90 systems (CRS codes 3019-24). For medium and small scale applications see SWEREF 99 TM (CRS code 3006).

Source: Lantmateriverket (National Land Survey of Sweden). http://www.lantmateriet.se

Revision: 01.03.2010

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=13.5 +k=1 +x_0=150000 +y_0=0
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3009, SWEREF99 15 00

Scope: Large scale (1:10,000 and greater) topographic mapping, engineering and cadastral survey.

Remarks: From 2003 replaces RT90 systems (CRS codes 3019-24). For medium and small scale applications see SWEREF 99 TM (CRS code 3006).

Source: Lantmateriverket (National Land Survey of Sweden). http://www.lantmateriet.se

Revision: 01.03.2010

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=15 +k=1 +x_0=150000 +y_0=0
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3010, SWEREF99 16 30

Scope: Large scale (1:10,000 and greater) topographic mapping, engineering and cadastral survey.

Remarks: From 2003 replaces RT90 systems (CRS codes 3019-24). For medium and small scale applications see SWEREF 99 TM (CRS code 3006).

Source: Lantmateriverket (National Land Survey of Sweden). http://www.lantmateriet.se

Revision: 01.03.2010

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=16.5 +k=1 +x_0=150000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3011, SWEREF99 18 00

Scope: Large scale (1:10,000 and greater) topographic mapping, engineering and cadastral survey.

Remarks: From 2003 replaces RT90 systems (CRS codes 3019-24). For medium and small scale applications see SWEREF 99 TM (CRS code 3006).

Source: Lantmateriverket (National Land Survey of Sweden). http://www.lantmateriet.se

Revision: 01.03.2010

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=18 +k=1 +x_0=150000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3012, SWEREF99 14 15

Scope: Large scale (1:10,000 and greater) topographic mapping, engineering and cadastral survey.

Remarks: From 2003 replaces RT90 systems (CRS codes 3019-24). For medium and small scale applications see SWEREF 99 TM (CRS code 3006).

Source: Lantmateriverket (National Land Survey of Sweden). http://www.lantmateriet.se

Revision: 01.03.2010

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=14.25 +k=1 +x_0=150000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3013, SWEREF99 15 45

Scope: Large scale (1:10,000 and greater) topographic mapping, engineering and cadastral survey.

Remarks: From 2003 replaces RT90 systems (CRS codes 3019-24). For medium and small scale applications see SWEREF 99 TM (CRS code 3006).

Source: Lantmateriverket (National Land Survey of Sweden). http://www.lantmateriet.se

Revision: 01.03.2010

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=15.75 +k=1 +x_0=150000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3014, SWEREF99 17 15

Scope: Large scale (1:10,000 and greater) topographic mapping, engineering and cadastral survey.

Remarks: From 2003 replaces RT90 systems (CRS codes 3019-24). For medium and small scale applications see SWEREF 99 TM (CRS code 3006).

Source: Lantmateriverket (National Land Survey of Sweden). http://www.lantmateriet.se

Revision: 01.03.2010

Proj4 `+proj=tmerc +lat_0=0 +lon_0=17.25 +k=1 +x_0=150000 +y_0=0`

definition: `+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3015, SWEREF99 18 45

Scope: Large scale (1:10,000 and greater) topographic mapping, engineering and cadastral survey.

Remarks: From 2003 replaces RT90 systems (CRS codes 3019-24). For medium and small scale applications see SWEREF 99 TM (CRS code 3006).

Source: Lantmateriverket (National Land Survey of Sweden). http://www.lantmateriet.se

Revision: 01.03.2010

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=18.75 +k=1 +x_0=150000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3016, SWEREF99 20 15

Scope: Large scale (1:10,000 and greater) topographic mapping, engineering and cadastral survey.

Remarks: From 2003 replaces RT90 systems (CRS codes 3019-24). For medium and small scale applications see SWEREF 99 TM (CRS code 3006).

Source: Lantmateriverket (National Land Survey of Sweden). http://www.lantmateriet.se

Revision: 01.03.2010

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=20.25 +k=1 +x_0=150000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3017, SWEREF99 21 45

Scope: Large scale (1:10,000 and greater) topographic mapping, engineering and cadastral survey.

Remarks: From 2003 replaces RT90 systems (CRS codes 3019-24). For medium and small scale applications see SWEREF 99 TM (CRS code 3006).

Source: Lantmateriverket (National Land Survey of Sweden). http://www.lantmateriet.se

Revision: 01.03.2010

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=21.75 +k=1 +x_0=150000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3018, SWEREF99 23 15

Scope: Large scale topographic mapping, engineering and cadastral survey.

Remarks: From 2003 replaces RT90 systems (CRS codes 3019-24).

Source: Lantmateriverket (National Land Survey of Sweden). http://www.lantmateriet.se

Revision: 01.03.2010

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=23.25 +k=1 +x_0=150000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3019, RT90 7.5 gon V

Scope: Topographic mapping, engineering survey, cadastre.

Remarks: Replaces RT38 7.5 gon V (CRS code 3025) from 1990. From 2003 replaced by SWEREF systems (CRS codes 3007-3018).

Source: Lantmateriverket (National Land Survey of Sweden). http://www.lantmateriet.se

Revision: 21.05.2005

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=11.30827777777778 +k=1 +x_0=1500000 +y_0=0 +ellps=bessel +units=m +no_defs`

EPSG 3020, RT90 5 gon V

Scope: Topographic mapping, engineering survey, cadastre.

Remarks: Replaces RT38 5 gon V (CRS code 3026) from 1990. From 2003 replaced by SWEREF systems (CRS codes 3007-3018).

Source: Lantmateriverket (National Land Survey of Sweden). http://www.lantmateriet.se

Revision: 21.05.2005

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=13.55827777777778 +k=1 +x_0=1500000 +y_0=0 +ellps=bessel +units=m +no_defs`

EPSG 3021, RT90 2.5 gon V

Scope: (i) Medium and small scale mapping. (ii) Large scale (1:10,000 and greater) topographic mapping, engineering and cadastral survey.

Remarks: Replaces RT38 2.5 gon V (CRS code 3027) from 1990. From 2003 replaced by SWEREF systems (CRS codes 3006-3018).

Source: Lantmateriverket (National Land Survey of Sweden). http://www.lantmateriet.se

Revision: 27.05.2005

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=15.80827777777778 +k=1 +x_0=1500000 +y_0=0 +ellps=bessel +units=m +no_defs`

EPSG 3022, RT90 0 gon

Scope: Topographic mapping, engineering survey, cadastre.

Remarks: Replaces RT38 0 gon (CRS code 3028) from 1990. From 2003 replaced by SWEREF systems (CRS codes 3007-3018).

Source: Lantmateriverket (National Land Survey of Sweden). http://www.lantmateriet.se

Revision: 21.05.2005

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=18.05827777777778 +k=1 +x_0=1500000 +y_0=0 +ellps=bessel +units=m +no_defs`

EPSG 3023, RT90 2.5 gon O

Scope: Topographic mapping, engineering survey, cadastre.

Remarks: Replaces RT38 2.5 gon O (CRS code 3029) from 1990. From 2003 replaced by SWEREF systems (CRS codes 3007-3018).

Source: Lantmateriverket (National Land Survey of Sweden). http://www.lantmateriet.se

Revision: 21.05.2005

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=20.30827777777778 +k=1 +x_0=1500000 +y_0=0 +ellps=bessel +units=m +no_defs`

EPSG 3024, RT90 5 gon O

Scope: Topographic mapping, engineering survey, cadastre.

Remarks: Replaces RT38 5 gon O (CRS code 3030) from 1990. From 2003 replaced by SWEREF systems (CRS codes 3007-3018).

Source: Lantmateriverket (National Land Survey of Sweden). http://www.lantmateriet.se

Revision: 21.05.2005

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=22.55827777777778 +k=1 +x_0=1500000
+y_0=0 +ellps=bessel +units=m +no_defs
```

EPSG 3025, RT38 7.5 gon V

Scope: Topographic mapping, engineering survey, cadastre.

Remarks: Replaced by RT90 7.5 gon V (CRS code 3019).

Source: Lantmateriverket (National Land Survey of Sweden). http://www.lantmateriet.se

Revision: 21.05.2005

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=11.30827777777778 +k=1 +x_0=1500000
+y_0=0 +ellps=bessel +units=m +no_defs
```

EPSG 3026, RT38 5 gon V

Scope: Topographic mapping, engineering survey, cadastre.

Remarks: Replaced by RT90 5 gon V (CRS code 3020).

Source: Lantmateriverket (National Land Survey of Sweden). http://www.lantmateriet.se

Revision: 21.05.2005

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=13.55827777777778 +k=1 +x_0=1500000
+y_0=0 +ellps=bessel +units=m +no_defs
```

EPSG 3027, RT38 2.5 gon V

Scope: (i) Medium and small scale mapping. (ii) Large scale (1:10,000 and greater) topographic mapping, engineering and cadastral survey.

Remarks: Replaced by RT90 2.5 gon V (CRS code 3021).

Source: Lantmateriverket (National Land Survey of Sweden). http://www.lantmateriet.se

Revision: 21.05.2005

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=15.80827777777778 +k=1 +x_0=1500000
+y_0=0 +ellps=bessel +units=m +no_defs
```

EPSG 3028, RT38 0 gon

Scope: Topographic mapping, engineering survey, cadastre.

Remarks: Replaced by RT90 0 gon (CRS code 3022).

Source: Lantmateriverket (National Land Survey of Sweden). http://www.lantmateriet.se

Revision: 21.05.2005

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=18.05827777777778 +k=1 +x_0=1500000
+y_0=0 +ellps=bessel +units=m +no_defs
```

EPSG 3029, RT38 2.5 gon O

Scope: Topographic mapping, engineering survey, cadastre.

Remarks: Replaced by RT90 2.5 gon O (CRS code 3023).

Source: Lantmateriverket (National Land Survey of Sweden). http://www.lantmateriet.se

Revision: 21.05.2005

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=20.30827777777778 +k=1 +x_0=1500000
+y_0=0 +ellps=bessel +units=m +no_defs
```

EPSG 3030, RT38 5 gon O

Scope: Topographic mapping, engineering survey, cadastre.

Remarks: Replaced by RT90 5 gon O (CRS code 3024).

Source: Lantmateriverket (National Land Survey of Sweden). http://www.lantmateriet.se

Revision: 21.05.2005

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=22.55827777777778 +k=1 +x_0=1500000
+y_0=0 +ellps=bessel +units=m +no_defs
```

EPSG 3031, WGS 84 / Antarctic Polar Stereographic

Scope: Antarctic Digital Database and small scale (<1:1,000,000) studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Reasearch (SCAR) Antarctic Digital Database (ADD) manual. http://www.add.scar.org.

Revision: 14.04.2005

Proj4 definition:
```
+proj=stere +lat_0=-90 +lat_ts=-71 +lon_0=0 +k=1 +x_0=0 +y_0=0
+ellps=WGS84 +datum=WGS84 +units=m +no_defs
```

EPSG 3032, WGS 84 / Australian Antarctic Polar Stereographic

Scope: 1: Small scale (<1:1,000,000) studies and topographic mapping. 2: Medium scale studies and topographic mapping south of 80 deg S.

Remarks:

Source: Australian Antarctic Data Centre. http://www-aadc.aad.gov.au/

Revision: 29.09.2005

Proj4 definition:
```
+proj=stere +lat_0=-90 +lat_ts=-71 +lon_0=70 +k=1 +x_0=6000000
+y_0=6000000 +ellps=WGS84 +datum=WGS84 +units=m +no_defs
```

EPSG 3033, WGS 84 / Australian Antarctic Lambert

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Australian Antarctic Data Centre. http://www-aadc.aad.gov.au/

Revision: 29.09.2005

Proj4 definition:
```
+proj=lcc +lat_1=-68.5 +lat_2=-74.5 +lat_0=-50 +lon_0=70
+x_0=6000000 +y_0=6000000 +ellps=WGS84 +datum=WGS84 +units=m
+no_defs
```

EPSG 3034, ETRS89 / LCC Europe

Scope: Single CRS for all Europe. Used for conformal mapping at scales of 1:500,000 and smaller.

Remarks: ETRS89 / UTM (CRS codes 25828-37 or 3040-49) used for conformal mapping at scales larger than 1:500,000. ETRS89 / LAEA (CRS code 3035) used for statistical applications at any scale.

Source: European Commission Joint Research Centre "Map Projections for Europe". http://www.ec-gis.org

Revision: 26.11.2012

Proj4 definition: `+proj=lcc +lat_1=35 +lat_2=65 +lat_0=52 +lon_0=10 +x_0=4000000 +y_0=2800000 +ellps=GRS80 +units=m +no_defs`

EPSG 3035, ETRS89 / LAEA Europe

Scope: Single CRS for all Europe. Used for statistical mapping at all scales and other purposes where true area representation is required.

Remarks: Use ETRS89 / LCC (code 3034) for conformal mapping at 1:500,000 scale or smaller or ETRS89 / UTM (codes 25828-37 or 3040-49) for conformal mapping at scales larger than 1:500,000.

Source: European Commission Joint Research Centre "Map Projections for Europe". http://www.ec-gis.org

Revision: 26.11.2012

Proj4 definition: `+proj=laea +lat_0=52 +lon_0=10 +x_0=4321000 +y_0=3210000 +ellps=GRS80 +units=m +no_defs`

EPSG 3036, Moznet / UTM zone 36S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: Direcção Nacional de Geografia e Cadastral (DINAGECA).

Revision: 05.01.2012

Proj4 definition: `+proj=utm +zone=36 +south +ellps=WGS84 +towgs84=0,0,0,-0,-0,-0,0 +units=m +no_defs`

EPSG 3037, Moznet / UTM zone 37S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: Direcção Nacional de Geografia e Cadastral (DINAGECA).

Revision: 05.01.2012

Proj4 definition: `+proj=utm +zone=37 +south +ellps=WGS84 +towgs84=0,0,0,-0,-0,-0,0 +units=m +no_defs`

EPSG 3040, ETRS89 / UTM zone 28N (N-E)

Scope: Zoned CRS covering all Europe. Used for conformal mapping at scales larger than 1:500,000.

Remarks: ETRS89-LCC (CRS code 3034) used for conformal mapping at 1:500,000 and smaller scales. ETRS89-LAEA (CRS code 3035) used for statistical applications at all scales. See ETRS89 / UTM zone 28N (CRS code 25828) for CRS with preferred east-north axis order.

Source: European Commission Joint Research Centre "Map Projections for Europe". http://www.ec-gis.org

Revision: 26.11.2012

Proj4 definition: `+proj=utm +zone=28 +ellps=GRS80 +units=m +no_defs`

EPSG 3041, ETRS89 / UTM zone 29N (N-E)

Scope: Zoned CRS covering all Europe. Used for conformal mapping at scales larger than 1:500,000.

Remarks: ETRS89-LCC (CRS code 3034) used for conformal mapping at 1:500,000 and smaller scales. ETRS89-LAEA (CRS code 3035) used for statistical applications at all scales. See ETRS89 / UTM zone 29N (CRS code 25829) for CRS with preferred east-north axis order.

Source: European Commission Joint Research Centre "Map Projections for Europe". http://www.ec-gis.org

Revision: 26.11.2012

Proj4 definition: `+proj=utm +zone=29 +ellps=GRS80 +units=m +no_defs`

EPSG 3042, ETRS89 / UTM zone 30N (N-E)

Scope: Zoned CRS covering all Europe. Used for conformal mapping at scales larger than 1:500,000.

Remarks: ETRS89-LCC (CRS code 3034) used for conformal mapping at 1:500,000 and smaller scales. ETRS89-LAEA (CRS code 3035) used for statistical applications at all scales. See ETRS89 / UTM zone 30N (CRS code 25830) for CRS with preferred east-north axis order.

Source: European Commission Joint Research Centre "Map Projections for Europe". http://www.ec-gis.org

Revision: 26.11.2012

Proj4 definition: `+proj=utm +zone=30 +ellps=GRS80 +units=m +no_defs`

EPSG 3043, ETRS89 / UTM zone 31N (N-E)

Scope: Zoned CRS covering all Europe. Used for conformal mapping at scales larger than 1:500,000.

Remarks: ETRS89-LCC (CRS code 3034) used for conformal mapping at 1:500,000 and smaller scales. ETRS89-LAEA (CRS code 3035) used for statistical applications at all scales. See ETRS89 / UTM zone 31N (CRS code 25831) for CRS with preferred east-north axis order.

Source: European Commission Joint Research Centre "Map Projections for Europe". http://www.ec-gis.org

Revision: 26.11.2012

Proj4 definition: `+proj=utm +zone=31 +ellps=GRS80 +units=m +no_defs`

EPSG 3044, ETRS89 / UTM zone 32N (N-E)

Scope: Zoned CRS covering all Europe. Used for conformal mapping at scales larger than 1:500,000. In Mecklenburg-Vorpommern adopted as official system for all purposes from 19/4/2005.

Remarks: ETRS89-LCC (CRS code 3034) used for conformal mapping at 1:500,000 and smaller scales. ETRS89-LAEA (CRS code 3035) used for statistical applications at all scales. See ETRS89 / UTM zone 32N (CRS code 25832)

for CRS with preferred east-north axis order.

Source: European Commission Joint Research Centre "Map Projections for Europe". http://www.ec-gis.org

Revision: 26.11.2012

Proj4 definition: `+proj=utm +zone=32 +ellps=GRS80 +units=m +no_defs`

EPSG 3045, ETRS89 / UTM zone 33N (N-E)

Scope: Zoned CRS covering all Europe. Used for conformal mapping at scales larger than 1:500,000. In Mecklenburg-Vorpommern adopted as official system for all purposes from 19/4/2005. In Brandenburg used throughout the whole state including area west of 12°E.

Remarks: ETRS89-LCC (CRS code 3034) used for conformal mapping at 1:500,000 and smaller scales. ETRS89-LAEA (CRS code 3035) used for statistical applications at all scales. See ETRS89 / UTM zone 33N (CRS code 25833) for CRS with preferred east-north axis order.

Source: European Commission Joint Research Centre "Map Projections for Europe". http://www.ec-gis.org

Revision: 26.11.2012

Proj4 definition: `+proj=utm +zone=33 +ellps=GRS80 +units=m +no_defs`

EPSG 3046, ETRS89 / UTM zone 34N (N-E)

Scope: Zoned CRS covering all Europe. Used for conformal mapping at scales larger than 1:500,000.

Remarks: ETRS89-LCC (CRS code 3034) used for conformal mapping at 1:500,000 and smaller scales. ETRS89-LAEA (CRS code 3035) used for statistical applications at all scales. See ETRS89 / UTM zone 34N (CRS code 25834) for CRS with preferred east-north axis order.

Source: European Commission Joint Research Centre "Map Projections for Europe". http://www.ec-gis.org

Revision: 26.11.2012

Proj4 definition: `+proj=utm +zone=34 +ellps=GRS80 +units=m +no_defs`

EPSG 3047, ETRS89 / UTM zone 35N (N-E)

Scope: Zoned CRS covering all Europe. Used for conformal mapping at scales larger than 1:500,000.

Remarks: ETRS89-LCC (CRS code 3034) used for conformal mapping at 1:500,000 and smaller scales. ETRS89-LAEA (CRS code 3035) used for statistical applications at all scales. See ETRS89 / UTM zone 35N (CRS code 25835) for CRS with preferred east-north axis order.

Source: European Commission Joint Research Centre "Map Projections for Europe". http://www.ec-gis.org

Revision: 26.11.2012

Proj4 definition: `+proj=utm +zone=35 +ellps=GRS80 +units=m +no_defs`

EPSG 3048, ETRS89 / UTM zone 36N (N-E)

Scope: Zoned CRS covering all Europe. Used for conformal mapping at scales larger than 1:500,000.

Remarks: ETRS89-LCC (CRS code 3034) used for conformal mapping at 1:500,000 and smaller scales. ETRS89-LAEA (CRS code 3035) used for statistical applications at all scales. See ETRS89 / UTM zone 36N (CRS code 25836) for CRS with preferred east-north axis order.

Source: European Commission Joint Research Centre "Map Projections for Europe". http://www.ec-gis.org

Revision: 26.11.2012

Proj4 definition: `+proj=utm +zone=36 +ellps=GRS80 +units=m +no_defs`

EPSG 3049, ETRS89 / UTM zone 37N (N-E)

Scope: Zoned CRS covering all Europe. Used for conformal mapping at scales larger than 1:500,000.

Remarks: ETRS89-LCC (CRS code 3034) used for conformal mapping at 1:500,000 and smaller scales. ETRS89-LAEA (CRS code 3035) used for statistical applications at all scales. See ETRS89 / UTM zone 37N (CRS code 25837) for CRS with preferred east-north axis order.

Source: European Commission Joint Research Centre "Map Projections for Europe". http://www.ec-gis.org

Revision: 26.11.2012

Proj4 definition: `+proj=utm +zone=37 +ellps=GRS80 +units=m +no_defs`

EPSG 3052, Reykjavik 1900 / Lambert 1900

Scope: Medium scale topographic mapping.

Remarks: Replaced by Hjorsey 1955 / Lambert 1955 (CRS code 3053). See ellipsoid remarks.

Source: Landmaelingar Islands (National Survey of Iceland).

Revision: 27.06.2003

Proj4 definition: `+proj=utm +zone=37 +ellps=GRS80 +units=m +no_defs`

EPSG 3053, Hjorsey 1955 / Lambert 1955

Scope: Engineering survey and small scale mapping.

Remarks: Replaces Reykjavik 1900 / Lambert 1900 (CRS code 3052). Replaced by ISN93 / Lambert 1993 (CRS code 3057).

Source: Landmaelingar Islands (National Survey of Iceland).

Revision: 27.06.2003

Proj4 definition: `+proj=utm +zone=37 +ellps=GRS80 +units=m +no_defs`

EPSG 3054, Hjorsey 1955 / UTM zone 26N

Scope: 1/50,000 scale topographic mapping published between 1955 and 2000.

Remarks: Replaced by ISN93 / Lambert 1993 (CRS code 3057).

Source: Landmaelingar Islands (National Survey of Iceland).

Revision: 27.06.2003

Proj4 definition: `+proj=utm +zone=26 +ellps=intl +towgs84=-73,46,-86,0,0,0,0 +units=m +no_defs`

EPSG 3055, Hjorsey 1955 / UTM zone 27N

Scope: 1/50,000 scale topographic mapping published between 1955 and 2000.

Remarks: Replaced by ISN93 / Lambert 1993 (CRS code 3057).

Source: Landmaelingar Islands (National Survey of Iceland).

Revision: 27.06.2003

Proj4 definition: `+proj=utm +zone=27 +ellps=intl +towgs84=-73,46,-86,0,0,0,0 +units=m +no_defs`

EPSG 3056, Hjorsey 1955 / UTM zone 28N

Scope: 1/50,000 scale topographic mapping published between 1955 and 2000.

Remarks: Replaced by ISN93 / Lambert 1993 (CRS code 3057).

Source: Landmaelingar Islands (National Survey of Iceland).

Revision: 27.06.2003

Proj4 definition: `+proj=utm +zone=28 +ellps=intl +towgs84=-73,46,-86,0,0,0,0 +units=m +no_defs`

EPSG 3057, ISN93 / Lambert 1993

Scope: Medium and small scale topographic mapping.

Remarks: Replaces Hjorsey 1955 / Lambert 1955 (CRS code 3053). Replaced by ISN2004 / Lambert 2004 (CRS code 5325).

Source: Landmaelingar Islands (National Survey of Iceland).

Revision: 12.11.2010

Proj4 definition: `+proj=lcc +lat_1=64.25 +lat_2=65.75 +lat_0=65 +lon_0=-19 +x_0=500000 +y_0=500000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3058, Helle 1954 / Jan Mayen Grid

Scope: Topographic mapping.

Remarks:

Source: Statens kartverk

Revision: 27.06.2003

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-8.5 +k=1 +x_0=50000 +y_0=-7800000 +ellps=intl +towgs84=982.609,552.753,-540.873,32.3934,-153.257,-96.2266,16.805 +units=m +no_defs`

EPSG 3059, LKS92 / Latvia TM

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: LKS92 / TM Baltic (CRS code 25884) used for medium and small scale applications.

Source: Latvijas Republikas Valsts zemes dienests (State Land Service of the Republic of Latvia) via EuroGeographics. http://crs.bkg.bund.de/crs-eu

Revision: 27.05.2005

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=24 +k=0.9996 +x_0=500000 +y_0=-6000000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3060, IGN72 Grande Terre / UTM zone 58S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaced by RGNC91-93 / Lambert Caledonie (CRS code 3163).
Source: Service Topographique de la Nouvelle Caledonie, Direction des Infrastructures, de la Topographie et des Transports Terrestres. www.dittt.gouv.nc
Revision: 21.07.2006
Proj4 definition: `+proj=utm +zone=58 +south +ellps=intl +units=m +no_defs`

EPSG 3061, Porto Santo 1995 / UTM zone 28N

Scope: Topographic mapping.
Remarks: Replaced by PTRA08 / UTM zone 28N (CRS code 5016).
Source: Instituto Geografico e Cadastral Lisbon; http://www.igeo.pt
Revision: 31.03.2010
Proj4 definition: `+proj=utm +zone=28 +ellps=intl +units=m +no_defs`

EPSG 3062, Azores Oriental 1995 / UTM zone 26N

Scope: Topographic mapping.
Remarks: Replaced by PTRA08 / UTM zone 26N (CRS code 5015).
Source: Instituto Geografico e Cadastral Lisbon; http://www.igeo.pt
Revision: 31.03.2010
Proj4 definition: `+proj=utm +zone=26 +ellps=intl +units=m +no_defs`

EPSG 3063, Azores Central 1995 / UTM zone 26N

Scope: Topographic mapping.
Remarks: Replaced by PTRA08 / UTM zone 26N (CRS code 5015).
Source: Instituto Geografico e Cadastral Lisbon; http://www.igeo.pt
Revision: 31.03.2010
Proj4 definition: `+proj=utm +zone=26 +ellps=intl +units=m +no_defs`

EPSG 3064, IGM95 / UTM zone 32N

Scope: Scientific study.
Remarks:
Source: ENI
Revision: 07.01.2004
Proj4 definition: `+proj=utm +zone=32 +ellps=WGS84 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3065, IGM95 / UTM zone 33N

Scope: Scientific study.
Remarks:
Source: ENI
Revision: 07.01.2004
Proj4 definition: `+proj=utm +zone=33 +ellps=WGS84 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3066, ED50 / Jordan TM

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Information has not been confirmed by National Mapping Agency.

Source: Various industry sources

Revision: 29.01.2004

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=37 +k=0.9998 +x_0=500000 +y_0=-3000000 +ellps=intl +units=m +no_defs
```

EPSG 3067, ETRS89 / TM35FIN(E,N)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Identical to ETRS89 / UTM zone 35N (code 25835) except for area of use. See ETRS89 / TM35FIN(N,E) (code 5048) for more usually used alternative with axis order reversed.

Source: National Land Survey of Finland; http://www.maanmittauslaitos.fi

Revision: 26.11.2012

Proj4 definition:
```
+proj=utm +zone=35 +ellps=GRS80 +units=m +no_defs
```

EPSG 3068, DHDN / Soldner Berlin

Scope: Large scale topographic and statistical mapping, cadastral and engineering survey.

Remarks:

Source: Berlin state statistical office. Also at http://www.kulturbuch-verlag.de/online/brv/D0026/F01293.pdf

Revision: 22.04.2004

Proj4 definition:
```
+proj=cass +lat_0=52.41864827777778 +lon_0=13.62720366666667 +x_0=40000 +y_0=10000 +ellps=bessel +datum=potsdam +units=m +no_defs
```

EPSG 3069, NAD27 / Wisconsin Transverse Mercator

Scope: State-wide applications requiring a single system.

Remarks: Designed as a single zone for the whole state. Replaced by NAD83 / Wisconsin Transverse Mercator (CRS code 3070).

Source: Wisconsin Coordinate Systems Handbook (1991) http://sco.wisc.edu/pubs/wiscoord/wiscoord.php

Revision: 23.04.2004

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=-90 +k=0.9996 +x_0=500000 +y_0=-4500000 +ellps=clrk66 +datum=NAD27 +units=m +no_defs
```

EPSG 3070, NAD83 / Wisconsin Transverse Mercator

Scope: State-wide applications requiring a single system.

Remarks: Designed as a single zone for the whole state. Replaces NAD27 / Wisconsin Transverse Mercator (CRS code 3069). For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / Wisconsin Transverse Mercator.

Source: Wisconsin Coordinate Systems Handbook (1991) http://sco.wisc.edu/pubs/wiscoord/wiscoord.php

Revision: 23.04.2004

Proj4
```
+proj=tmerc +lat_0=0 +lon_0=-90 +k=0.9996 +x_0=520000 +y_0=-4480000
```

definition: +ellps=GRS80 +datum=NAD83 +units=m +no_defs

EPSG 3071, NAD83(HARN) / Wisconsin Transverse Mercator

Scope: State-wide applications requiring a single system.

Remarks: Designed as a single zone for the whole state. Replaces NAD83 / Wisconsin Transverse Mercator for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / Wisconsin Transverse Mercator.

Source: Wisconsin Coordinate Systems Handbook (1991) http://sco.wisc.edu/pubs/wiscoord/wiscoord.php

Revision: 20.04.2007

Proj4 definition: +proj=tmerc +lat_0=0 +lon_0=-90 +k=0.9996 +x_0=520000 +y_0=-4480000 +ellps=GRS80 +units=m +no_defs

EPSG 3072, NAD83 / Maine CS2000 East

Scope: Large and medium scale topographic mapping and engineering survey from 2001-01 by Maine Department of Transportation and other State agencies.

Remarks: In Maine Department of Transportation and other State agencies replaces CS27 and SPCS83 from 1/1/2001. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / CS2000.

Source: State of Maine statutes, http://janus.state.me.us/legis/statutes/33/title33sec801.html

Revision: 08.02.2008

Proj4 definition: +proj=tmerc +lat_0=43.83333333333334 +lon_0=-67.875 +k=0.99998 +x_0=700000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs

EPSG 3074, NAD83 / Maine CS2000 West

Scope: Large and medium scale topographic mapping and engineering survey from 2001-01 by Maine Department of Transportation and other State agencies.

Remarks: In Maine Department of Transportation and other State agencies replaces CS27 and SPCS83 from 1/1/2001. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / CS2000.

Source: State of Maine statutes, http://janus.state.me.us/legis/statutes/33/title33sec801.html

Revision: 08.02.2008

Proj4 definition: +proj=tmerc +lat_0=42.83333333333334 +lon_0=-70.375 +k=0.99998 +x_0=300000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs

EPSG 3075, NAD83(HARN) / Maine CS2000 East

Scope: Large and medium scale topographic mapping and engineering survey from 2001-01 by Maine Department of Transportation and other State agencies.

Remarks: Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: State of Maine statutes, http://janus.state.me.us/legis/statutes/33/title33sec801.html

Revision: 08.02.2008

Proj4 definition: +proj=tmerc +lat_0=43.83333333333334 +lon_0=-67.875 +k=0.99998 +x_0=700000 +y_0=0 +ellps=GRS80 +units=m +no_defs

EPSG 3077, NAD83(HARN) / Maine CS2000 West

Scope: Large and medium scale topographic mapping and engineering survey from 2001-01 by Maine Department of Transportation and other State agencies.

Remarks: Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: State of Maine statutes, http://janus.state.me.us/legis/statutes/33/title33sec801.html

Revision: 08.02.2008

Proj4 definition:
```
+proj=tmerc +lat_0=42.83333333333334 +lon_0=-70.375 +k=0.99998
+x_0=300000 +y_0=0 +ellps=GRS80 +units=m +no_defs
```

EPSG 3078, NAD83 / Michigan Oblique Mercator

Scope: Used for spatial data presentation for whole state.

Remarks: For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / Michigan Oblique Mercator.

Source: Michigan Department of Natural Resources, http://www.michigan.gov/documents/DNR_Map_Proj_and_MI_Georef_Info_20889_7.pdf

Revision: 16.06.2004

Proj4 definition:
```
+proj=omerc +lat_0=45.30916666666666 +lonc=-86 +alpha=337.25556
+k=0.9996 +x_0=2546731.496 +y_0=-4354009.816 +ellps=GRS80
+datum=NAD83 +units=m +no_defs
```

EPSG 3079, NAD83(HARN) / Michigan Oblique Mercator

Scope: Used for spatial data presentation for whole state.

Remarks: Replaces NAD83 / Michigan Oblique Mercator for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / Michigan Oblique Mercator.

Source: Michigan Department of Natural Resources, http://www.michigan.gov/documents/DNR_Map_Proj_and_MI_Georef_Info_20889_7.pdf

Revision: 20.04.2007

Proj4 definition:
```
+proj=omerc +lat_0=45.30916666666666 +lonc=-86 +alpha=337.25556
+k=0.9996 +x_0=2546731.496 +y_0=-4354009.816 +ellps=GRS80 +units=m
+no_defs
```

EPSG 3080, NAD27 / Shackleford

Scope: Used for spatial data presentation for whole state.

Remarks: Replaced by NAD83 / TSMS. Care: survey data in Texas uses the US survey foot, not the International foot used by this system.

Source: Texas Natural Resources Information System, http://www.tnris.state.tx.us/DigitalData/projections.htm

Revision: 16.06.2004

Proj4 definition:
```
+proj=lcc +lat_1=27.41666666666667 +lat_2=34.91666666666666
+lat_0=31.16666666666667 +lon_0=-100 +x_0=914400 +y_0=914400
+ellps=clrk66 +datum=NAD27 +to_meter=0.3048 +no_defs
```

EPSG 3081, NAD83 / Texas State Mapping System

Scope: Used for spatial data presentation for whole state.

Remarks: Replaces NAD27 / Shackleford. From 2001 replaced by NAD83 / Texas Centric Mapping System (TCMS/LC and TCMS/AEA).

Source: Texas Natural Resources Information System, http://www.tnris.state.tx.us/DigitalData/projections.htm

Revision: 24.08.2006

Proj4 definition:
```
+proj=lcc +lat_1=27.41666666666667 +lat_2=34.91666666666666
+lat_0=31.16666666666667 +lon_0=-100 +x_0=1000000 +y_0=1000000
+ellps=GRS80 +datum=NAD83 +units=m +no_defs
```

EPSG 3082, NAD83 / Texas Centric Lambert Conformal

Scope: Used for state-wide spatial data presentation requiring shape preservation.

Remarks: For state-wide spatial data presentation requiring true area measurements use TCMS/AEA. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / Texas Centric Lambert Conformal.

Source: Texas Natural Resources Information System, http://www.tnris.state.tx.us/DigitalData/projections.htm

Revision: 24.08.2006

Proj4 definition:
```
+proj=lcc +lat_1=27.5 +lat_2=35 +lat_0=18 +lon_0=-100 +x_0=1500000
+y_0=5000000 +ellps=GRS80 +datum=NAD83 +units=m +no_defs
```

EPSG 3083, NAD83 / Texas Centric Albers Equal Area

Scope: Used for state-wide spatial data presentation requiring true area measurements.

Remarks: For state-wide spatial data presentation requiring shape preservation use TCMS/LC. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / Texas Centric Albers Equal Area.

Source: Texas Natural Resources Information System, http://www.tnris.state.tx.us/DigitalData/projections.htm

Revision: 24.08.2006

Proj4 definition:
```
+proj=aea +lat_1=27.5 +lat_2=35 +lat_0=18 +lon_0=-100 +x_0=1500000
+y_0=6000000 +ellps=GRS80 +datum=NAD83 +units=m +no_defs
```

EPSG 3084, NAD83(HARN) / Texas Centric Lambert Conformal

Scope: Used for state-wide spatial data presentation requiring shape preservation.

Remarks: For state-wide spatial data presentation requiring true area measurements use TCMS/AEA (CRS code 3085). Replaces NAD83 / Texas Centric Lambert Conformal for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / Texas Centric LC.

Source: Texas Natural Resources Information System, http://www.tnris.state.tx.us/DigitalData/projections.htm

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=27.5 +lat_2=35 +lat_0=18 +lon_0=-100 +x_0=1500000
+y_0=5000000 +ellps=GRS80 +units=m +no_defs
```

EPSG 3085, NAD83(HARN) / Texas Centric Albers Equal Area

Scope: Used for state-wide spatial data presentation requiring true area measurements.

Remarks: For state-wide spatial data presentation requiring shape preservation use

TCMS/LC (CRS code 3084). Replaces NAD83 / Texas Centric Albers Equal Area for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / Texas Centric AEA.

Source: Texas Natural Resources Information System, http://www.tnris.state.tx.us/DigitalData/projections.htm

Revision: 20.04.2007

Proj4 definition: `+proj=aea +lat_1=27.5 +lat_2=35 +lat_0=18 +lon_0=-100 +x_0=1500000 +y_0=6000000 +ellps=GRS80 +units=m +no_defs`

EPSG 3086, NAD83 / Florida GDL Albers

Scope: Used for spatial data presentation for whole state.

Remarks: For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / Florida GDL Albers.

Source: Florida Geographic Data Library, http://www.fgdl.org/fgdldocs/index.htm#proj

Revision: 13.08.2004

Proj4 definition: `+proj=aea +lat_1=24 +lat_2=31.5 +lat_0=24 +lon_0=-84 +x_0=400000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 3087, NAD83(HARN) / Florida GDL Albers

Scope: Used for spatial data presentation for whole state.

Remarks: Replaces NAD83 / Florida GDL Albers for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / Florida GDL Albers.

Source: Florida Geographic Data Library, http://www.fgdl.org/fgdldocs/index.htm#proj

Revision: 20.04.2007

Proj4 definition: `+proj=aea +lat_1=24 +lat_2=31.5 +lat_0=24 +lon_0=-84 +x_0=400000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 3088, NAD83 / Kentucky Single Zone

Scope: Used for spatial data presentation for whole state.

Remarks: State law defines system in US survey feet. See code 3089 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / Kentucky (m) (code 3090).

Source: National Geodetic Survey (private communication) and Kentucky Division of Geographic Information, http://ngs.ky.gov/pdf-ppt/BB/KY_Single-Zone_Article.pdf

Revision: 13.08.2004

Proj4 definition: `+proj=lcc +lat_1=37.08333333333334 +lat_2=38.66666666666666 +lat_0=36.33333333333334 +lon_0=-85.75 +x_0=1500000 +y_0=1000000 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 3089, NAD83 / Kentucky Single Zone (ftUS)

Scope: Used for spatial data presentation for whole state.

Remarks: State law defines system in US survey feet. See code 3088 for equivalent metric definition. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / Kentucky (ftUS) (code 3091).

Source: National Geodetic Survey (private communication) and Kentucky Division of

Geographic Information, http://ngs.ky.gov/pdf-ppt/BB/KY_Single-Zone_Article.pdf

Revision: 13.08.2004

Proj4 definition:
```
+proj=lcc +lat_1=37.08333333333334 +lat_2=38.66666666666666
+lat_0=36.33333333333334 +lon_0=-85.75 +x_0=1500000
+y_0=999999.9998983998 +ellps=GRS80 +datum=NAD83
+to_meter=0.3048006096012192 +no_defs
```

EPSG 3090, NAD83(HARN) / Kentucky Single Zone

Scope: Used for spatial data presentation for whole state.

Remarks: State law defines system in US survey feet. See code 3091 for equivalent non-metric definition. Replaces NAD83 / KY1Z for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / KY1Z.

Source: National Geodetic Survey (private communication) and Kentucky Division of Geographic Information, http://ngs.ky.gov/pdf-ppt/BB/KY_Single-Zone_Article.pdf

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=37.08333333333334 +lat_2=38.66666666666666
+lat_0=36.33333333333334 +lon_0=-85.75 +x_0=1500000 +y_0=1000000
+ellps=GRS80 +units=m +no_defs
```

EPSG 3091, NAD83(HARN) / Kentucky Single Zone (ftUS)

Scope: Used for spatial data presentation for whole state.

Remarks: State law defines system in US survey feet. See code 3090 for equivalent metric definition. Replaces NAD83 / KY1Z (ft) for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / KY1Z(ft).

Source: National Geodetic Survey (private communication) and Kentucky Division of Geographic Information, http://ngs.ky.gov/pdf-ppt/BB/KY_Single-Zone_Article.pdf

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=37.08333333333334 +lat_2=38.66666666666666
+lat_0=36.33333333333334 +lon_0=-85.75 +x_0=1500000
+y_0=999999.9998983998 +ellps=GRS80 +to_meter=0.3048006096012192
+no_defs
```

EPSG 3092, Tokyo / UTM zone 51N

Scope: Medium scale topographic mapping.

Remarks: Replaced by JGD2000 / UTM zone 51N (code 3182).

Source: Geographic Survey Institute; Japan.

Revision: 27.04.2004

Proj4 definition: `+proj=utm +zone=51 +ellps=bessel +units=m +no_defs`

EPSG 3093, Tokyo / UTM zone 52N

Scope: Medium scale topographic mapping.

Remarks: Replaced by JGD2000 / UTM zone 52N (code 3183).

Source: Geographic Survey Institute; Japan.

Revision: 27.04.2004

Proj4 definition: `+proj=utm +zone=52 +ellps=bessel +units=m +no_defs`

EPSG 3094, Tokyo / UTM zone 53N

Scope: Medium scale topographic mapping.
Remarks: Replaced by JGD2000 / UTM zone 53N (code 3184).
Source: Geographic Survey Institute; Japan.
Revision: 27.04.2004
Proj4 definition: `+proj=utm +zone=53 +ellps=bessel +units=m +no_defs`

EPSG 3095, Tokyo / UTM zone 54N

Scope: Medium scale topographic mapping.
Remarks: Replaced by JGD2000 / UTM zone 54N (code 3185).
Source: Geographic Survey Institute; Japan.
Revision: 27.04.2004
Proj4 definition: `+proj=utm +zone=54 +ellps=bessel +units=m +no_defs`

EPSG 3096, Tokyo / UTM zone 55N

Scope: Medium scale topographic mapping.
Remarks: Replaced by JGD2000 / UTM zone 55N (code 3186).
Source: Geographic Survey Institute; Japan.
Revision: 27.04.2004
Proj4 definition: `+proj=utm +zone=55 +ellps=bessel +units=m +no_defs`

EPSG 3097, JGD2000 / UTM zone 51N

Scope: Medium scale topographic mapping.
Remarks: Replaces Tokyo / UTM zone 51N (code 3177).
Source: Geographic Survey Institute; Japan.
Revision: 21.01.2012
Proj4 definition: `+proj=utm +zone=51 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3098, JGD2000 / UTM zone 52N

Scope: Medium scale topographic mapping.
Remarks: Replaces Tokyo / UTM zone 52N (code 3178).
Source: Geographic Survey Institute; Japan.
Revision: 21.01.2012
Proj4 definition: `+proj=utm +zone=52 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3099, JGD2000 / UTM zone 53N

Scope: Medium scale topographic mapping.
Remarks: Replaces Tokyo / UTM zone 53N (code 3179).
Source: Geographic Survey Institute; Japan.
Revision: 21.01.2012
Proj4 definition: `+proj=utm +zone=53 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3100, JGD2000 / UTM zone 54N

Scope: Medium scale topographic mapping.

Remarks: Replaces Tokyo / UTM zone 54N (code 3180).

Source: Geographic Survey Institute; Japan.

Revision: 21.01.2012

Proj4 definition: `+proj=utm +zone=54 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3101, JGD2000 / UTM zone 55N

Scope: Medium scale topographic mapping.

Remarks: Replaces Tokyo / UTM zone 55N (code 3181).

Source: Geographic Survey Institute; Japan.

Revision: 21.01.2012

Proj4 definition: `+proj=utm +zone=55 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3102, American Samoa 1962 / American Samoa Lambert

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced by NAD83(HARN) / UTM zone 2S (projCRS 2195) as of mid-2000.

Source: US National Geodetic Survey (NGS) http://www.ngs.noaa.gov/

Revision: 21.05.2005

Proj4 definition: `+proj=lcc +lat_1=-14.26666666666667 +lat_0=-14.26666666666667 +lon_0=-170 +k_0=1 +x_0=152400.3048006096 +y_0=95169.31165862332 +ellps=clrk66 +towgs84=-115,118,426,0,0,0,0 +to_meter=0.3048006096012192 +no_defs`

EPSG 3106, Gulshan 303 / Bangladesh Transverse Mercator

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: Survey of Bangladesh via IGN Paris and Tullow Oil.

Revision: 22.06.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=90 +k=0.9996 +x_0=500000 +y_0=0 +a=6377276.345 +b=6356075.41314024 +units=m +no_defs`

EPSG 3107, GDA94 / SA Lambert

Scope: Natural Resources mapping of whole State.

Remarks:

Source: South Australia Department for Environment and Heritage, Spatial Information Committee (SICOM); http://www.environment.sa.gov.au/mapland/sicom/sicom/lambert.html

Revision: 20.10.2004

Proj4 definition: `+proj=lcc +lat_1=-28 +lat_2=-36 +lat_0=-32 +lon_0=135 +x_0=1000000 +y_0=2000000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3108, ETRS89 / Guernsey Grid

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced ED50 / UTM zone 30N with effect from 1996.

Source: States of Guernsey and Digimap Ltd, Guernsey.

Revision: 26.11.2004

Proj4 definition: `+proj=tmerc +lat_0=49.5 +lon_0=-2.416666666666667 +k=0.999997 +x_0=47000 +y_0=50000 +ellps=GRS80 +units=m +no_defs`

EPSG 3109, ETRS89 / Jersey Transverse Mercator

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Effective from January 1st 2005.

Source: Jersey Planning & Environment Department.

Revision: 26.11.2004

Proj4 definition: `+proj=tmerc +lat_0=49.225 +lon_0=-2.135 +k=0.9999999000000001 +x_0=40000 +y_0=70000 +ellps=GRS80 +units=m +no_defs`

EPSG 3110, AGD66 / Vicgrid66

Scope: Natural Resources mapping of whole State.

Remarks: May also be used to display Victoria, New South Wales, Tasmania and South Australia as a single entity. Replaced by Vicgrid94 (CRS code 3111) with effect from 2nd February 2000.

Source: Victoria Land Registry; http://www.land.vic.gov.au

Revision: 07.01.2005

Proj4 definition: `+proj=lcc +lat_1=-36 +lat_2=-38 +lat_0=-37 +lon_0=145 +x_0=2500000 +y_0=4500000 +ellps=aust_SA +units=m +no_defs`

EPSG 3111, GDA94 / Vicgrid94

Scope: Natural Resources mapping of whole State.

Remarks: May also be used to display Victoria, New South Wales, Tasmania and South Australia as a single entity. Replaces Vicgrid66 (CRS code 3110) with effect from 2nd February 2000.

Source: Victoria Land Registry; http://www.land.vic.gov.au

Revision: 07.01.2005

Proj4 definition: `+proj=lcc +lat_1=-36 +lat_2=-38 +lat_0=-37 +lon_0=145 +x_0=2500000 +y_0=2500000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3112, GDA94 / Geoscience Australia Lambert

Scope: Australia-wide geoscience mapping.

Remarks: See also WGS 84 / ACRESLC (CRS code 4462).

Source: Geoscience Australia; http://www.ga.gov.au/map/broker/wms_info.php

Revision: 12.11.2009

Proj4 definition: `+proj=lcc +lat_1=-18 +lat_2=-36 +lat_0=0 +lon_0=134 +x_0=0 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3113, GDA94 / BCSG02

Scope: Engineering survey projects and consequent design and construction

Remarks:

Source: Brisbane City Council

Revision: 21.02.2005

Proj4 definition: `+proj=tmerc +lat_0=-28 +lon_0=153 +k=0.99999 +x_0=50000 +y_0=100000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3114, MAGNA-SIRGAS / Colombia Far West zone

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces Bogota 1975 / Colombia West zone (CRS code 21891).

Source: Instituto Geografico Agustin Codazzi (IGAC) publication "Aspectos prácticos de la adopción del Marco Geocéntrico Nacional de Referencia MAGNA-SIRGAS como datum oficial de Colombia".

Revision: 02.07.2007

Proj4 definition:
```
+proj=tmerc +lat_0=4.596200416666666 +lon_0=-80.07750791666666 +k=1
+x_0=1000000 +y_0=1000000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0
+units=m +no_defs
```

EPSG 3115, MAGNA-SIRGAS / Colombia West zone

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces Bogota 1975 / Colombia West zone (CRS code 21891).

Source: Instituto Geografico Agustin Codazzi (IGAC) publication "Aspectos prácticos de la adopción del Marco Geocéntrico Nacional de Referencia MAGNA-SIRGAS como datum oficial de Colombia".

Revision: 02.07.2007

Proj4 definition:
```
+proj=tmerc +lat_0=4.596200416666666 +lon_0=-77.07750791666666 +k=1
+x_0=1000000 +y_0=1000000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0
+units=m +no_defs
```

EPSG 3116, MAGNA-SIRGAS / Colombia Bogota zone

Scope: Large and medium scale topographic mapping and engineering survey. Also used for small scale mapping of whole country.

Remarks: Replaces Bogota 1975 / Colombia Bogota zone (CRS code 21892).

Source: Instituto Geografico Agustin Codazzi (IGAC) publication "Aspectos prácticos de la adopción del Marco Geocéntrico Nacional de Referencia MAGNA-SIRGAS como datum oficial de Colombia". http://www.igac.gov.co/MAGNAWEB/DocumentosMAGNA.htm

Revision: 09.05.2011

Proj4 definition:
```
+proj=tmerc +lat_0=4.596200416666666 +lon_0=-74.07750791666666 +k=1
+x_0=1000000 +y_0=1000000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0
+units=m +no_defs
```

EPSG 3117, MAGNA-SIRGAS / Colombia East Central zone

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces Bogota 1975 / Colombia East Central zone (CRS code 21893).

Source: Instituto Geografico Agustin Codazzi (IGAC) publication "Aspectos prácticos de la adopción del Marco Geocéntrico Nacional de Referencia MAGNA-SIRGAS como datum oficial de Colombia".

Revision: 02.07.2007

Proj4 definition:
```
+proj=tmerc +lat_0=4.596200416666666 +lon_0=-71.07750791666666 +k=1
+x_0=1000000 +y_0=1000000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0
+units=m +no_defs
```

EPSG 3118, MAGNA-SIRGAS / Colombia East zone

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces Bogota 1975 / Colombia East zone (CRS code 21894).

Source: Instituto Geografico Agustin Codazzi (IGAC) publication "Aspectos prácticos de la adopción del Marco Geocéntrico Nacional de Referencia MAGNA-

SIRGAS como datum oficial de Colombia".

Revision: 02.07.2007

Proj4 definition: `+proj=tmerc +lat_0=4.596200416666666 +lon_0=-68.07750791666666 +k=1 +x_0=1000000 +y_0=1000000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3119, Douala 1948 / AEF west

Scope: Medium and small scale topographic mapping and engineering survey.

Remarks: Replaced by Manoca 1962 / UTM zone 32N (code 2215).

Source:

Revision: 17.06.2005

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=10.5 +k=0.999 +x_0=1000000 +y_0=1000000 +ellps=intl +towgs84=-206.1,-174.7,-87.7,0,0,0,0 +units=m +no_defs`

EPSG 3120, Pulkovo 1942(58) / Poland zone I

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: To be phased out after 2009. Replaced by ETRS89 / Poland CS2000 zones 7 and 8 (codes 2178-79).

Source: Glowny Urzad Geodezji i Kartografii via EuroGeographics; http://crs.bkg.bund.de/crs-eu/

Revision: 29.10.2005

Proj4 definition: `+proj=sterea +lat_0=50.625 +lon_0=21.08333333333333 +k=0.9998 +x_0=4637000 +y_0=5467000 +ellps=krass +towgs84=33.4,-146.6,-76.3,-0.359,-0.053,0.844,-0.84 +units=m +no_defs`

EPSG 3121, PRS92 / Philippines zone 1

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces Luzon 1911 / Philippines zone I (CRS code 25391).

Source: National Mapping and Resource Information Authority, Coast and Geodetic Survey Department.

Revision: 24.12.2004

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=117 +k=0.99995 +x_0=500000 +y_0=0 +ellps=clrk66 +towgs84=-127.62,-67.24,-47.04,-3.068,4.903,1.578,-1.06 +units=m +no_defs`

EPSG 3122, PRS92 / Philippines zone 2

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces Luzon 1911 / Philippines zone II (CRS code 25392).

Source: National Mapping and Resource Information Authority, Coast and Geodetic Survey Department.

Revision: 24.12.2004

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=119 +k=0.99995 +x_0=500000 +y_0=0 +ellps=clrk66 +towgs84=-127.62,-67.24,-47.04,-3.068,4.903,1.578,-1.06 +units=m +no_defs`

EPSG 3123, PRS92 / Philippines zone 3

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces Luzon 1911 / Philippines zone III (CRS code 25393).

Source: National Mapping and Resource Information Authority, Coast and Geodetic

Survey Department.

Revision: 24.06.2008

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=121 +k=0.99995 +x_0=500000 +y_0=0 +ellps=clrk66 +towgs84=-127.62,-67.24,-47.04,-3.068,4.903,1.578,-1.06 +units=m +no_defs`

EPSG 3124, PRS92 / Philippines zone 4

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces Luzon 1911 / Philippines zone IV (CRS code 25394).

Source: National Mapping and Resource Information Authority, Coast and Geodetic Survey Department.

Revision: 24.12.2004

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=123 +k=0.99995 +x_0=500000 +y_0=0 +ellps=clrk66 +towgs84=-127.62,-67.24,-47.04,-3.068,4.903,1.578,-1.06 +units=m +no_defs`

EPSG 3125, PRS92 / Philippines zone 5

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces Luzon 1911 / Philippines zone V (CRS code 25395).

Source: National Mapping and Resource Information Authority, Coast and Geodetic Survey Department.

Revision: 24.12.2004

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=125 +k=0.99995 +x_0=500000 +y_0=0 +ellps=clrk66 +towgs84=-127.62,-67.24,-47.04,-3.068,4.903,1.578,-1.06 +units=m +no_defs`

EPSG 3126, ETRS89 / ETRS-GK19FIN

Scope: Large scale topographic mapping, cadastral and engineering survey prior to 2009. Withdrawn and replaced in 2009.

Remarks: Replaced by ETRS89 / GK19FIN (CRS code 3873).

Source: National Land Survey of Finland; http://www.maanmittauslaitos.fi

Revision: 02.05.2010

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=19 +k=1 +x_0=500000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 3127, ETRS89 / ETRS-GK20FIN

Scope: Large scale topographic mapping, cadastral and engineering survey prior to 2009. Withdrawn and replaced in 2009.

Remarks: Replaced by ETRS89 / GK20FIN (CRS code 3874).

Source: National Land Survey of Finland; http://www.maanmittauslaitos.fi

Revision: 02.05.2010

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=20 +k=1 +x_0=500000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 3128, ETRS89 / ETRS-GK21FIN

Scope: Large scale topographic mapping, cadastral and engineering survey prior to 2009. Withdrawn and replaced in 2009.

Remarks: Replaced by ETRS89 / GK21FIN (CRS code 3875).

Source: National Land Survey of Finland; http://www.maanmittauslaitos.fi

Revision: 02.05.2010

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=21 +k=1 +x_0=500000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 3129, ETRS89 / ETRS-GK22FIN

Scope: Large scale topographic mapping, cadastral and engineering survey prior to 2009. Withdrawn and replaced in 2009.

Remarks: Replaced by ETRS89 / GK22FIN (CRS code 3876).

Source: National Land Survey of Finland; http://www.maanmittauslaitos.fi

Revision: 02.05.2010

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=22 +k=1 +x_0=500000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 3130, ETRS89 / ETRS-GK23FIN

Scope: Large scale topographic mapping, cadastral and engineering survey prior to 2009. Withdrawn and replaced in 2009.

Remarks: Replaced by ETRS89 / GK23FIN (CRS code 3877).

Source: National Land Survey of Finland; http://www.maanmittauslaitos.fi

Revision: 02.05.2010

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=23 +k=1 +x_0=500000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 3131, ETRS89 / ETRS-GK24FIN

Scope: Large scale topographic mapping, cadastral and engineering survey prior to 2009. Withdrawn and replaced in 2009.

Remarks: Replaced by ETRS89 / GK24FIN (CRS code 3878).

Source: National Land Survey of Finland; http://www.maanmittauslaitos.fi

Revision: 02.05.2010

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=24 +k=1 +x_0=500000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 3132, ETRS89 / ETRS-GK25FIN

Scope: Large scale topographic mapping, cadastral and engineering survey prior to 2009. Withdrawn and replaced in 2009.

Remarks: Replaced by ETRS89 / GK25FIN (CRS code 3879).

Source: National Land Survey of Finland; http://www.maanmittauslaitos.fi

Revision: 02.05.2010

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=25 +k=1 +x_0=500000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 3133, ETRS89 / ETRS-GK26FIN

Scope: Large scale topographic mapping, cadastral and engineering survey prior to 2009. Withdrawn and replaced in 2009.

Remarks: Replaced by ETRS89 / GK26FIN (CRS code 3880).

Source: National Land Survey of Finland; http://www.maanmittauslaitos.fi

Revision: 02.05.2010

Proj4 `+proj=tmerc +lat_0=0 +lon_0=26 +k=1 +x_0=500000 +y_0=0`

definition: `+ellps=GRS80 +units=m +no_defs`

EPSG 3134, ETRS89 / ETRS-GK27FIN

Scope: Large scale topographic mapping, cadastral and engineering survey prior to 2009. Withdrawn and replaced in 2009.

Remarks: Replaced by ETRS89 / GK27FIN (CRS code 3881).

Source: National Land Survey of Finland; http://www.maanmittauslaitos.fi

Revision: 02.05.2010

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=27 +k=1 +x_0=500000 +y_0=0
+ellps=GRS80 +units=m +no_defs
```

EPSG 3135, ETRS89 / ETRS-GK28FIN

Scope: Large scale topographic mapping, cadastral and engineering survey prior to 2009. Withdrawn and replaced in 2009.

Remarks: Replaced by ETRS89 / GK28FIN (CRS code 3882).

Source: National Land Survey of Finland; http://www.maanmittauslaitos.fi

Revision: 02.05.2010

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=28 +k=1 +x_0=500000 +y_0=0
+ellps=GRS80 +units=m +no_defs
```

EPSG 3136, ETRS89 / ETRS-GK29FIN

Scope: Large scale topographic mapping, cadastral and engineering survey prior to 2009. Withdrawn and replaced in 2009.

Remarks: Replaced by ETRS89 / GK29FIN (CRS code 3883).

Source: National Land Survey of Finland; http://www.maanmittauslaitos.fi

Revision: 02.05.2010

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=29 +k=1 +x_0=500000 +y_0=0
+ellps=GRS80 +units=m +no_defs
```

EPSG 3137, ETRS89 / ETRS-GK30FIN

Scope: Large scale topographic mapping, cadastral and engineering survey prior to 2009. Withdrawn and replaced in 2009.

Remarks: Replaced by ETRS89 / GK30FIN (CRS code 3884).

Source: National Land Survey of Finland; http://www.maanmittauslaitos.fi

Revision: 02.05.2010

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=30 +k=1 +x_0=500000 +y_0=0
+ellps=GRS80 +units=m +no_defs
```

EPSG 3138, ETRS89 / ETRS-GK31FIN

Scope: Large scale topographic mapping, cadastral and engineering survey prior to 2009. Withdrawn and replaced in 2009.

Remarks: Replaced by ETRS89 / GK31FIN (CRS code 3885).

Source: National Land Survey of Finland; http://www.maanmittauslaitos.fi

Revision: 02.05.2010

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=31 +k=1 +x_0=500000 +y_0=0
+ellps=GRS80 +units=m +no_defs
```

EPSG 3139, Vanua Levu 1915 / Vanua Levu Grid

Scope: Large topographic mapping, cadastral and engineering survey.

Remarks: For topographic mapping, replaced by Fiji 1956 / UTM (CRS codes 3141-42). For other purposes, replaced by Fiji 1986 / Fiji Map Grid (CRS code 3460).

Source: Department of Lands and Survey, Fiji.

Revision: 06.02.2007

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=31 +k=1 +x_0=500000 +y_0=0
+ellps=GRS80 +units=m +no_defs
```

EPSG 3140, Viti Levu 1912 / Viti Levu Grid

Scope: Large topographic mapping, cadastral and engineering survey.

Remarks: For topographic mapping, replaced by Fiji 1956 / UTM (CRS codes 3141-42). For other purposes, replaced by Fiji 1986 / Fiji Map Grid (CRS code 3460).

Source: Department of Lands and Survey, Fiji.

Revision: 06.02.2007

Proj4 definition:
```
+proj=cass +lat_0=-18 +lon_0=178 +x_0=109435.392 +y_0=141622.272
+a=6378306.3696 +b=6356571.996 +towgs84=51,391,-36,0,0,0,0
+to_meter=0.201168 +no_defs
```

EPSG 3141, Fiji 1956 / UTM zone 60S

Scope: Topographic mapping.

Remarks: For topographic mapping, replaces Vanua Levu / Vanua Levu Grid (CRS code 3140). Replaced by Fiji 1986 / Fiji Map Grid (CRS code 3460).

Source: Clifford J. Mugnier in Photogrammetric Engineering and Remote Sensing, October 2000, www.asprs.org.

Revision: 06.02.2007

Proj4 definition:
```
+proj=utm +zone=60 +south +ellps=intl +towgs84=265.025,384.929,-
194.046,0,0,0,0 +units=m +no_defs
```

EPSG 3142, Fiji 1956 / UTM zone 1S

Scope: Topographic mapping.

Remarks: For topographic mapping, replaces Viti Levu / Viti Levu Grid (CRS code 3139) and Vanua Levu / Vanua Levu Grid (CRS code 3140). Replaced by Fiji 1986 / Fiji Map Grid (CRS code 3460).

Source: Clifford J. Mugnier in Photogrammetric Engineering and Remote Sensing, October 2000, www.asprs.org.

Revision: 06.02.2007

Proj4 definition:
```
+proj=utm +zone=1 +south +ellps=intl +towgs84=265.025,384.929,-
194.046,0,0,0,0 +units=m +no_defs
```

EPSG 3144, FD54 / Faroe Lambert

Scope: Cadastral survey.

Remarks: Historically also found with coordinate system axis abbreviations N/E (CS code 4501); second axis has abbreviation E but is positive to the west. Replaced by fk89 (CRS code 3173).

Source: KMS

Revision: 13.02.2012

Proj4 definition: `+proj=utm +zone=1 +south +ellps=intl +towgs84=265.025,384.929,-194.046,0,0,0,0 +units=m +no_defs`

EPSG 3145, ETRS89 / Faroe Lambert

Scope: Topographical mapping.

Remarks: Replaces ED50 / UTM zone 29N for topographic mapping. For cadastral survey see fk89 (CRS code 3173).

Source: KMS

Revision: 13.02.2012

Proj4 definition: `+proj=utm +zone=1 +south +ellps=intl +towgs84=265.025,384.929,-194.046,0,0,0,0 +units=m +no_defs`

EPSG 3148, Indian 1960 / UTM zone 48N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: In Vietnam replaced by Hanoi 72 / Gauss zone 18 from 1988 onwards.

Source:

Revision: 11.11.1998

Proj4 definition: `+proj=utm +zone=48 +a=6377276.345 +b=6356075.41314024 +units=m +no_defs`

EPSG 3149, Indian 1960 / UTM zone 49N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced by Hanoi 72 / Gauss zone 18 from 1988 onwards.

Source:

Revision: 11.11.1998

Proj4 definition: `+proj=utm +zone=49 +a=6377276.345 +b=6356075.41314024 +units=m +no_defs`

EPSG 3152, ST74

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Simulation of engineering (local) coordinate reference system through a Sweref-related projected CRS. Accuracy better than 0.05m. Replaced by County ST74 (CRS code 3854).

Source: Lantmateriet, http://www.lantmateriet.com, SWEPOS pages.

Revision: 10.02.2009

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=18.05779 +k=0.99999425 +x_0=100178.1808 +y_0=-6500614.7836 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3153, NAD83(CSRS) / BC Albers

Scope: Spatial data storage and use for whole province in grid coordinates.

Remarks:

Source: Government of British Columbia Ministry of Sustainable Resource Management. http://srmwww.gov.bc.ca/gis/bceprojection.html

Revision: 30.07.2006

Proj4 definition: `+proj=aea +lat_1=50 +lat_2=58.5 +lat_0=45 +lon_0=-126 +x_0=1000000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 3154, NAD83(CSRS) / UTM zone 7N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Geomatics Canada. http://ess.nrcan.gc.ca/geocan/
Revision: 30.07.2006
Proj4 definition: `+proj=utm +zone=7 +ellps=GRS80 +units=m +no_defs`

EPSG 3155, NAD83(CSRS) / UTM zone 8N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Geomatics Canada. http://ess.nrcan.gc.ca/geocan/
Revision: 30.07.2006
Proj4 definition: `+proj=utm +zone=8 +ellps=GRS80 +units=m +no_defs`

EPSG 3156, NAD83(CSRS) / UTM zone 9N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Geomatics Canada. http://ess.nrcan.gc.ca/geocan/
Revision: 30.07.2006
Proj4 definition: `+proj=utm +zone=9 +ellps=GRS80 +units=m +no_defs`

EPSG 3157, NAD83(CSRS) / UTM zone 10N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Geomatics Canada. http://ess.nrcan.gc.ca/geocan/
Revision: 30.07.2006
Proj4 definition: `+proj=utm +zone=10 +ellps=GRS80 +units=m +no_defs`

EPSG 3158, NAD83(CSRS) / UTM zone 14N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Geomatics Canada. http://ess.nrcan.gc.ca/geocan/
Revision: 30.07.2006
Proj4 definition: `+proj=utm +zone=14 +ellps=GRS80 +units=m +no_defs`

EPSG 3159, NAD83(CSRS) / UTM zone 15N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Geomatics Canada. http://ess.nrcan.gc.ca/geocan/
Revision: 30.07.2006
Proj4 definition: `+proj=utm +zone=15 +ellps=GRS80 +units=m +no_defs`

EPSG 3160, NAD83(CSRS) / UTM zone 16N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Geomatics Canada. http://ess.nrcan.gc.ca/geocan/

Revision: 30.07.2006

Proj4 definition: `+proj=utm +zone=16 +ellps=GRS80 +units=m +no_defs`

EPSG 3161, NAD83 / Ontario MNR Lambert

Scope: Province-wide environmental mapping.

Remarks: Replaces NAD27 / Ontario MNR Lambert. One of a number of similar projected CRSs used by Ontario MNR.

Source: Ontario Ministry of Natural Resources via Conservation Ontario.

Revision: 14.03.2008

Proj4 definition: `+proj=lcc +lat_1=44.5 +lat_2=53.5 +lat_0=0 +lon_0=-85 +x_0=930000 +y_0=6430000 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 3162, NAD83(CSRS) / Ontario MNR Lambert

Scope: Province-wide environmental mapping.

Remarks: One of a number of similar projected CRSs used by Ontario MNR.

Source: Ontario Ministry of Natural Resources via Conservation Ontario.

Revision: 14.03.2008

Proj4 definition: `+proj=lcc +lat_1=44.5 +lat_2=53.5 +lat_0=0 +lon_0=-85 +x_0=930000 +y_0=6430000 +ellps=GRS80 +units=m +no_defs`

EPSG 3163, RGNC91-93 / Lambert New Caledonia

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces IGN72 Grande Terre / UTM zone 58S, IGN56 Lifou / UTM zone 58S, ST87 Ouvea / UTM zone 58S, IGN53 Mare / UTM zone 58S, ST84 Ile des Pins / UTM zone 58S, ST71 Belep / UTM zone 58S and NEA74 Noumea / UTM zone 58S (CRS codes 2981,2995-98,3060,3164)

Source: Service Topographique de la Nouvelle Caledonie, Direction des Infrastructures, de la Topographie et des Transports Terrestres. www.dittt.gouv.nc

Revision: 21.07.2006

Proj4 definition: `+proj=lcc +lat_1=-20.66666666666667 +lat_2=-22.33333333333333 +lat_0=-21.5 +lon_0=166 +x_0=400000 +y_0=300000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3164, ST87 Ouvea / UTM zone 58S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced by RGNC91-93 / Lambert Caledonie (CRS code 3163).

Source: Service Topographique de la Nouvelle Caledonie, Direction des Infrastructures, de la Topographie et des Transports Terrestres. www.dittt.gouv.nc

Revision: 21.07.2006

Proj4 definition: `+proj=utm +zone=58 +south +ellps=WGS84 +towgs84=-56.263,16.136,-22.856,0,0,0,0 +units=m +no_defs`

EPSG 3165, NEA74 Noumea / Noumea Lambert

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced by RGNC91-93 / Lambert Caledonie (CRS code 3163). Gives identical conversion results as NEA74 Noumea / Noumea Lambert 2 (CRS

code 3166).

Source: Service Topographique de la Nouvelle Caledonie, Direction des Infrastructures, de la Topographie et des Transports Terrestres. www.dittt.gouv.nc

Revision: 21.07.2006

Proj4 definition:
```
+proj=lcc +lat_1=-22.24469175 +lat_2=-22.29469175 +lat_0=-
22.26969175 +lon_0=166.44242575 +x_0=0.66 +y_0=1.02 +ellps=intl
+units=m +no_defs
```

EPSG 3166, NEA74 Noumea / Noumea Lambert 2

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced by RGNC91-93 / Lambert Caledonie (CRS code 3163). Variant of NEA74 Noumea / Noumea Lambert (CRS code 3166) with defining parameters at integer seconds: gives identical conversion results.

Source: Service Topographique de la Nouvelle Caledonie, Direction des Infrastructures, de la Topographie et des Transports Terrestres. www.dittt.gouv.nc

Revision: 21.07.2006

Proj4 definition:
```
+proj=lcc +lat_1=-22.24472222222222 +lat_2=-22.29472222222222
+lat_0=-22.26972222222222 +lon_0=166.4425 +x_0=8.313000000000001
+y_0=-2.354 +ellps=intl +units=m +no_defs
```

EPSG 3167, Kertau (RSO) / RSO Malaya (ch)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: See Kertau (RSO) / RSO Malaya (m) (CRS code 3168) for metric equivalent. Replaced by GDM2000 / Peninsula RSO (CRS code 3375).

Source: Defence Geographic Centre.

Revision: 14.08.2006

Proj4 definition:
```
+proj=omerc +lat_0=4 +lonc=102.25 +alpha=323.0257905 +k=0.99984
+x_0=40000 +y_0=0 +a=6377295.664 +b=6356094.667915204
+to_meter=20.116756 +no_defs
```

EPSG 3168, Kertau (RSO) / RSO Malaya (m)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Adopts metric conversion of 0.914398 metres per yard. See Kertau (RSO) / RSO Malaya (ch) (CRS code 3168) for Imperial version. Replaced by GDM2000 / Peninsula RSO (CRS code 3375).

Source: Defence Geographic Centre.

Revision: 14.08.2006

Proj4 definition:
```
+proj=omerc +lat_0=4 +lonc=102.25 +alpha=323.0257905 +k=0.99984
+x_0=804670.24 +y_0=0 +a=6377295.664 +b=6356094.667915204 +units=m
+no_defs
```

EPSG 3169, RGNC91-93 / UTM zone 57S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Used for EEZ mapping. For area of Grande-Terre, Isle de Pins, Belep and Loyalty Islands (Lifou, Mare, Ouvea), use RGNC91-93 / Lambert New Caledonia (CRS code 3163) rather than this system.

Source: Service Topographique de la Nouvelle Caledonie, Direction des Infrastructures, de la Topographie et des Transports Terrestres.

www.dittt.gouv.nc

Revision: 25.07.2006

Proj4 definition: `+proj=utm +zone=57 +south +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3170, RGNC91-93 / UTM zone 58S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Used for EEZ mapping. For area of Grande-Terre, Isle de Pins, Belep and Loyalty Islands (Lifou, Mare, Ouvea), use RGNC91-93 / Lambert New Caledonia (CRS code 3163) rather than this system.

Source: Service Topographique de la Nouvelle Caledonie, Direction des Infrastructures, de la Topographie et des Transports Terrestres. www.dittt.gouv.nc

Revision: 25.07.2006

Proj4 definition: `+proj=utm +zone=58 +south +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3171, RGNC91-93 / UTM zone 59S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Used for EEZ mapping. For area of Grande-Terre, Isle de Pins, Belep and Loyalty Islands (Lifou, Mare, Ouvea), use RGNC91-93 / Lambert New Caledonia (CRS code 3163) rather than this system.

Source: Service Topographique de la Nouvelle Caledonie, Direction des Infrastructures, de la Topographie et des Transports Terrestres. www.dittt.gouv.nc

Revision: 25.07.2006

Proj4 definition: `+proj=utm +zone=59 +south +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3172, IGN53 Mare / UTM zone 59S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced by RGNC91-93 / Lambert Caledonie (CRS code 3163).

Source: Service Topographique de la Nouvelle Caledonie, Direction des Infrastructures, de la Topographie et des Transports Terrestres. www.dittt.gouv.nc

Revision: 25.07.2006

Proj4 definition: `+proj=utm +zone=59 +south +ellps=intl +units=m +no_defs`

EPSG 3173, fk89 / Faroe Lambert FK89

Scope: Cadastral survey.

Remarks: Replaces FD54 / Faroe Lambert (fk54) (CRS code 3144) for cadastral survey.

Source: KMS

Revision: 19.07.2012

Proj4 definition: `+proj=utm +zone=59 +south +ellps=intl +units=m +no_defs`

EPSG 3174, NAD83 / Great Lakes Albers

Scope: Basin-wide mapping and analysis.
Remarks:
Source: Great Lakes Fisheries Commission
Revision: 19.01.2007
Proj4 definition: `+proj=aea +lat_1=42.122774 +lat_2=49.01518 +lat_0=45.568977 +lon_0=-84.455955 +x_0=1000000 +y_0=1000000 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 3175, NAD83 / Great Lakes and St Lawrence Albers

Scope: Basin-wide mapping and analysis.
Remarks:
Source: Great Lakes Fisheries Commission
Revision: 19.01.2007
Proj4 definition: `+proj=aea +lat_1=42.122774 +lat_2=49.01518 +lat_0=45.568977 +lon_0=-83.248627 +x_0=1000000 +y_0=1000000 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 3176, Indian 1960 / TM 106 NE

Scope: Used by Petrovietnam for offshore block 15.
Remarks:
Source: Petrovietnam
Revision: 11.11.1998
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=106 +k=0.9996 +x_0=500000 +y_0=0 +a=6377276.345 +b=6356075.41314024 +units=m +no_defs`

EPSG 3177, LGD2006 / Libya TM

Scope: Small scale topographic mapping.
Remarks:
Source: Survey Department of Libya.
Revision: 25.08.2006
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=17 +k=0.9965000000000001 +x_0=1000000 +y_0=0 +ellps=intl +towgs84=-208.406,-109.878,-2.5764,0,0,0,0 +units=m +no_defs`

EPSG 3178, GR96 / UTM zone 18N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Kort & Matrikelstyrelsen (KMS), Copenhagen.
Revision: 30.07.2006
Proj4 definition: `+proj=utm +zone=18 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3179, GR96 / UTM zone 19N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Kort & Matrikelstyrelsen (KMS), Copenhagen.
Revision: 30.07.2006
Proj4 `+proj=utm +zone=19 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m`

definition: `+no_defs`

EPSG 3180, GR96 / UTM zone 20N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Kort & Matrikelstyrelsen (KMS), Copenhagen.
Revision: 30.07.2006
Proj4 definition: `+proj=utm +zone=20 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3181, GR96 / UTM zone 21N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Kort & Matrikelstyrelsen (KMS), Copenhagen.
Revision: 30.07.2006
Proj4 definition: `+proj=utm +zone=21 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3182, GR96 / UTM zone 22N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Kort & Matrikelstyrelsen (KMS), Copenhagen.
Revision: 30.07.2006
Proj4 definition: `+proj=utm +zone=22 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3183, GR96 / UTM zone 23N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Kort & Matrikelstyrelsen (KMS), Copenhagen.
Revision: 30.07.2006
Proj4 definition: `+proj=utm +zone=23 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3184, GR96 / UTM zone 24N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Kort & Matrikelstyrelsen (KMS), Copenhagen.
Revision: 30.07.2006
Proj4 definition: `+proj=utm +zone=24 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3185, GR96 / UTM zone 25N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Kort & Matrikelstyrelsen (KMS), Copenhagen.
Revision: 30.07.2006

Proj4 definition: `+proj=utm +zone=25 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3186, GR96 / UTM zone 26N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Kort & Matrikelstyrelsen (KMS), Copenhagen.
Revision: 30.07.2006
Proj4 definition: `+proj=utm +zone=26 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3187, GR96 / UTM zone 27N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Kort & Matrikelstyrelsen (KMS), Copenhagen.
Revision: 30.07.2006
Proj4 definition: `+proj=utm +zone=27 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3188, GR96 / UTM zone 28N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Kort & Matrikelstyrelsen (KMS), Copenhagen.
Revision: 30.07.2006
Proj4 definition: `+proj=utm +zone=28 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3189, GR96 / UTM zone 29N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Kort & Matrikelstyrelsen (KMS), Copenhagen.
Revision: 30.07.2006
Proj4 definition: `+proj=utm +zone=29 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3190, LGD2006 / Libya TM zone 5

Scope: Large scale topographic mapping and engineering survey.
Remarks:
Source: Survey Department of Libya.
Revision: 25.08.2006
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=9 +k=0.99995 +x_0=200000 +y_0=0 +ellps=intl +towgs84=-208.406,-109.878,-2.5764,0,0,0,0 +units=m +no_defs`

EPSG 3191, LGD2006 / Libya TM zone 6

Scope: Large scale topographic mapping and engineering survey.
Remarks:

Source: Survey Department of Libya.

Revision: 25.08.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=11 +k=0.99995 +x_0=200000 +y_0=0 +ellps=intl +towgs84=-208.406,-109.878,-2.5764,0,0,0,0 +units=m +no_defs`

EPSG 3192, LGD2006 / Libya TM zone 7

Scope: Large scale topographic mapping and engineering survey.

Remarks:

Source: Survey Department of Libya.

Revision: 25.08.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=13 +k=0.99995 +x_0=200000 +y_0=0 +ellps=intl +towgs84=-208.406,-109.878,-2.5764,0,0,0,0 +units=m +no_defs`

EPSG 3193, LGD2006 / Libya TM zone 8

Scope: Large scale topographic mapping and engineering survey.

Remarks:

Source: Survey Department of Libya.

Revision: 25.08.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=15 +k=0.99995 +x_0=200000 +y_0=0 +ellps=intl +towgs84=-208.406,-109.878,-2.5764,0,0,0,0 +units=m +no_defs`

EPSG 3194, LGD2006 / Libya TM zone 9

Scope: Large scale topographic mapping and engineering survey.

Remarks:

Source: Survey Department of Libya.

Revision: 25.08.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=17 +k=0.99995 +x_0=200000 +y_0=0 +ellps=intl +towgs84=-208.406,-109.878,-2.5764,0,0,0,0 +units=m +no_defs`

EPSG 3195, LGD2006 / Libya TM zone 10

Scope: Large scale topographic mapping and engineering survey.

Remarks:

Source: Survey Department of Libya.

Revision: 25.08.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=19 +k=0.99995 +x_0=200000 +y_0=0 +ellps=intl +towgs84=-208.406,-109.878,-2.5764,0,0,0,0 +units=m +no_defs`

EPSG 3196, LGD2006 / Libya TM zone 11

Scope: Large scale topographic mapping and engineering survey.

Remarks:

Source: Survey Department of Libya.

Revision: 25.08.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=21 +k=0.99995 +x_0=200000 +y_0=0 +ellps=intl +towgs84=-208.406,-109.878,-2.5764,0,0,0,0 +units=m +no_defs`

EPSG 3197, LGD2006 / Libya TM zone 12

Scope: Large scale topographic mapping and engineering survey.
Remarks:
Source: Survey Department of Libya.
Revision: 25.08.2006
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=23 +k=0.99995 +x_0=200000 +y_0=0 +ellps=intl +towgs84=-208.406,-109.878,-2.5764,0,0,0,0 +units=m +no_defs`

EPSG 3198, LGD2006 / Libya TM zone 13

Scope: Large scale topographic mapping and engineering survey.
Remarks:
Source: Survey Department of Libya.
Revision: 25.08.2006
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=25 +k=0.99995 +x_0=200000 +y_0=0 +ellps=intl +towgs84=-208.406,-109.878,-2.5764,0,0,0,0 +units=m +no_defs`

EPSG 3199, LGD2006 / UTM zone 32N

Scope: Medium scale topographic mapping and engineering survey.
Remarks:
Source: Survey Department of Libya.
Revision: 21.01.2012
Proj4 definition: `+proj=utm +zone=32 +ellps=intl +towgs84=-208.406,-109.878,-2.5764,0,0,0,0 +units=m +no_defs`

EPSG 3200, FD58 / Iraq zone

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: IOEPC records.
Revision: 11.11.1998
Proj4 definition: `+proj=lcc +lat_1=32.5 +lat_0=32.5 +lon_0=45 +k_0=0.9987864078000001 +x_0=1500000 +y_0=1166200 +ellps=clrk80 +units=m +no_defs`

EPSG 3201, LGD2006 / UTM zone 33N

Scope: Medium scale topographic mapping and engineering survey.
Remarks:
Source: Survey Department of Libya.
Revision: 21.01.2012
Proj4 definition: `+proj=utm +zone=33 +ellps=intl +towgs84=-208.406,-109.878,-2.5764,0,0,0,0 +units=m +no_defs`

EPSG 3202, LGD2006 / UTM zone 34N

Scope: Medium scale topographic mapping and engineering survey.
Remarks:
Source: Survey Department of Libya.
Revision: 21.01.2012

Proj4 definition: `+proj=utm +zone=34 +ellps=intl +towgs84=-208.406,-109.878,-2.5764,0,0,0,0 +units=m +no_defs`

EPSG 3203, LGD2006 / UTM zone 35N

Scope: Medium scale topographic mapping and engineering survey.

Remarks:

Source: Survey Department of Libya.

Revision: 21.01.2012

Proj4 definition: `+proj=utm +zone=35 +ellps=intl +towgs84=-208.406,-109.878,-2.5764,0,0,0,0 +units=m +no_defs`

EPSG 3204, WGS 84 / SCAR IMW SP19-20

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition: `+proj=lcc +lat_1=-60.66666666666666 +lat_2=-63.33333333333334 +lat_0=-90 +lon_0=-66 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 3205, WGS 84 / SCAR IMW SP21-22

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition: `+proj=lcc +lat_1=-60.66666666666666 +lat_2=-63.33333333333334 +lat_0=-90 +lon_0=-54 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 3206, WGS 84 / SCAR IMW SP23-24

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition: `+proj=lcc +lat_1=-60.66666666666666 +lat_2=-63.33333333333334 +lat_0=-90 +lon_0=-42 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 3207, WGS 84 / SCAR IMW SQ01-02

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition: `+proj=lcc +lat_1=-64.66666666666667 +lat_2=-67.33333333333333 +lat_0=-90 +lon_0=-174 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 3208, WGS 84 / SCAR IMW SQ19-20

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-64.66666666666667 +lat_2=-67.33333333333333
+lat_0=-90 +lon_0=-66 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3209, WGS 84 / SCAR IMW SQ21-22

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-64.66666666666667 +lat_2=-67.33333333333333
+lat_0=-90 +lon_0=-54 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3210, WGS 84 / SCAR IMW SQ37-38

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-64.66666666666667 +lat_2=-67.33333333333333
+lat_0=-90 +lon_0=42 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3211, WGS 84 / SCAR IMW SQ39-40

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-64.66666666666667 +lat_2=-67.33333333333333
+lat_0=-90 +lon_0=54 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3212, WGS 84 / SCAR IMW SQ41-42

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-64.66666666666667 +lat_2=-67.33333333333333
+lat_0=-90 +lon_0=66 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3213, WGS 84 / SCAR IMW SQ43-44

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-64.66666666666667 +lat_2=-67.33333333333333
+lat_0=-90 +lon_0=78 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3214, WGS 84 / SCAR IMW SQ45-46

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-64.66666666666667 +lat_2=-67.33333333333333
+lat_0=-90 +lon_0=90 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3215, WGS 84 / SCAR IMW SQ47-48

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-64.66666666666667 +lat_2=-67.33333333333333
+lat_0=-90 +lon_0=102 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3216, WGS 84 / SCAR IMW SQ49-50

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-64.66666666666667 +lat_2=-67.33333333333333
+lat_0=-90 +lon_0=114 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3217, WGS 84 / SCAR IMW SQ51-52

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-64.66666666666667 +lat_2=-67.33333333333333
+lat_0=-90 +lon_0=126 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3218, WGS 84 / SCAR IMW SQ53-54

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-64.66666666666667 +lat_2=-67.33333333333333
+lat_0=-90 +lon_0=138 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3219, WGS 84 / SCAR IMW SQ55-56

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-64.66666666666667 +lat_2=-67.33333333333333
+lat_0=-90 +lon_0=150 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3220, WGS 84 / SCAR IMW SQ57-58

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-64.66666666666667 +lat_2=-67.33333333333333
+lat_0=-90 +lon_0=162 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3221, WGS 84 / SCAR IMW SR13-14

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-68.66666666666667 +lat_2=-71.33333333333333
+lat_0=-90 +lon_0=-102 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3222, WGS 84 / SCAR IMW SR15-16

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-68.66666666666667 +lat_2=-71.33333333333333
+lat_0=-90 +lon_0=-90 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3223, WGS 84 / SCAR IMW SR17-18

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-68.66666666666667 +lat_2=-71.33333333333333
+lat_0=-90 +lon_0=-78 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3224, WGS 84 / SCAR IMW SR19-20

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-68.66666666666667 +lat_2=-71.33333333333333
+lat_0=-90 +lon_0=-66 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3225, WGS 84 / SCAR IMW SR27-28

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-68.66666666666667 +lat_2=-71.33333333333333
+lat_0=-90 +lon_0=-18 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3226, WGS 84 / SCAR IMW SR29-30

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-68.66666666666667 +lat_2=-71.33333333333333
+lat_0=-90 +lon_0=-6 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3227, WGS 84 / SCAR IMW SR31-32

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-68.66666666666667 +lat_2=-71.33333333333333
+lat_0=-90 +lon_0=6 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3228, WGS 84 / SCAR IMW SR33-34

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-68.66666666666667 +lat_2=-71.33333333333333
+lat_0=-90 +lon_0=18 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3229, WGS 84 / SCAR IMW SR35-36

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-68.66666666666667 +lat_2=-71.33333333333333
+lat_0=-90 +lon_0=30 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3230, WGS 84 / SCAR IMW SR37-38

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-68.66666666666667 +lat_2=-71.33333333333333
+lat_0=-90 +lon_0=42 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3231, WGS 84 / SCAR IMW SR39-40

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-68.66666666666667 +lat_2=-71.33333333333333
+lat_0=-90 +lon_0=54 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3232, WGS 84 / SCAR IMW SR41-42

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-68.66666666666667 +lat_2=-71.33333333333333
+lat_0=-90 +lon_0=66 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3233, WGS 84 / SCAR IMW SR43-44

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-68.66666666666667 +lat_2=-71.33333333333333
+lat_0=-90 +lon_0=78 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3234, WGS 84 / SCAR IMW SR45-46

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-68.66666666666667 +lat_2=-71.33333333333333
+lat_0=-90 +lon_0=90 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3235, WGS 84 / SCAR IMW SR47-48

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-68.66666666666667 +lat_2=-71.33333333333333
+lat_0=-90 +lon_0=102 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3236, WGS 84 / SCAR IMW SR49-50

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-68.66666666666667 +lat_2=-71.33333333333333
+lat_0=-90 +lon_0=114 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3237, WGS 84 / SCAR IMW SR51-52

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-68.66666666666667 +lat_2=-71.33333333333333
+lat_0=-90 +lon_0=126 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3238, WGS 84 / SCAR IMW SR53-54

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-68.66666666666667 +lat_2=-71.33333333333333
+lat_0=-90 +lon_0=138 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3239, WGS 84 / SCAR IMW SR55-56

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-68.66666666666667 +lat_2=-71.33333333333333
+lat_0=-90 +lon_0=150 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3240, WGS 84 / SCAR IMW SR57-58

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-68.66666666666667 +lat_2=-71.33333333333333
+lat_0=-90 +lon_0=162 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3241, WGS 84 / SCAR IMW SR59-60

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-68.66666666666667 +lat_2=-71.33333333333333
+lat_0=-90 +lon_0=174 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3242, WGS 84 / SCAR IMW SS04-06

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-72.66666666666667 +lat_2=-75.33333333333333
+lat_0=-90 +lon_0=-153 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3243, WGS 84 / SCAR IMW SS07-09

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-72.66666666666667 +lat_2=-75.33333333333333
+lat_0=-90 +lon_0=-135 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3244, WGS 84 / SCAR IMW SS10-12

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-72.66666666666667 +lat_2=-75.33333333333333
+lat_0=-90 +lon_0=-117 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3245, WGS 84 / SCAR IMW SS13-15

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-72.66666666666667 +lat_2=-75.33333333333333
+lat_0=-90 +lon_0=-99 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3246, WGS 84 / SCAR IMW SS16-18

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-72.66666666666667 +lat_2=-75.33333333333333
+lat_0=-90 +lon_0=-81 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3247, WGS 84 / SCAR IMW SS19-21

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-72.66666666666667 +lat_2=-75.33333333333333
+lat_0=-90 +lon_0=-63 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3248, WGS 84 / SCAR IMW SS25-27

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-72.66666666666667 +lat_2=-75.33333333333333
+lat_0=-90 +lon_0=-27 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3249, WGS 84 / SCAR IMW SS28-30

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-72.66666666666667 +lat_2=-75.33333333333333
+lat_0=-90 +lon_0=-9 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3250, WGS 84 / SCAR IMW SS31-33

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-72.66666666666667 +lat_2=-75.33333333333333
+lat_0=-90 +lon_0=9 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3251, WGS 84 / SCAR IMW SS34-36

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-72.66666666666667 +lat_2=-75.33333333333333
+lat_0=-90 +lon_0=27 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3252, WGS 84 / SCAR IMW SS37-39

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-72.66666666666667 +lat_2=-75.33333333333333
+lat_0=-90 +lon_0=45 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3253, WGS 84 / SCAR IMW SS40-42

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-72.66666666666667 +lat_2=-75.33333333333333
+lat_0=-90 +lon_0=63 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3254, WGS 84 / SCAR IMW SS43-45

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-72.66666666666667 +lat_2=-75.33333333333333
+lat_0=-90 +lon_0=81 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3255, WGS 84 / SCAR IMW SS46-48

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-72.66666666666667 +lat_2=-75.33333333333333
+lat_0=-90 +lon_0=99 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3256, WGS 84 / SCAR IMW SS49-51

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-72.66666666666667 +lat_2=-75.33333333333333
+lat_0=-90 +lon_0=117 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3257, WGS 84 / SCAR IMW SS52-54

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-72.66666666666667 +lat_2=-75.33333333333333
+lat_0=-90 +lon_0=135 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3258, WGS 84 / SCAR IMW SS55-57

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-72.66666666666667 +lat_2=-75.33333333333333
+lat_0=-90 +lon_0=153 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3259, WGS 84 / SCAR IMW SS58-60

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-72.66666666666667 +lat_2=-75.33333333333333
+lat_0=-90 +lon_0=171 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3260, WGS 84 / SCAR IMW ST01-04

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-76.66666666666667 +lat_2=-79.33333333333333
+lat_0=-90 +lon_0=-168 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3261, WGS 84 / SCAR IMW ST05-08

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-76.66666666666667 +lat_2=-79.33333333333333
+lat_0=-90 +lon_0=-144 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3262, WGS 84 / SCAR IMW ST09-12

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-76.66666666666667 +lat_2=-79.33333333333333
+lat_0=-90 +lon_0=-120 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3263, WGS 84 / SCAR IMW ST13-16

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-76.66666666666667 +lat_2=-79.33333333333333
+lat_0=-90 +lon_0=-96 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3264, WGS 84 / SCAR IMW ST17-20

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-76.66666666666667 +lat_2=-79.33333333333333
+lat_0=-90 +lon_0=-72 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3265, WGS 84 / SCAR IMW ST21-24

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-76.66666666666667 +lat_2=-79.33333333333333
+lat_0=-90 +lon_0=-48 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3266, WGS 84 / SCAR IMW ST25-28

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-76.66666666666667 +lat_2=-79.33333333333333
+lat_0=-90 +lon_0=-24 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3267, WGS 84 / SCAR IMW ST29-32

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-76.66666666666667 +lat_2=-79.33333333333333
+lat_0=-90 +lon_0=0 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3268, WGS 84 / SCAR IMW ST33-36

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-76.66666666666667 +lat_2=-79.33333333333333
+lat_0=-90 +lon_0=24 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3269, WGS 84 / SCAR IMW ST37-40

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-76.66666666666667 +lat_2=-79.33333333333333
+lat_0=-90 +lon_0=48 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3270, WGS 84 / SCAR IMW ST41-44

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-76.66666666666667 +lat_2=-79.33333333333333
+lat_0=-90 +lon_0=72 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3271, WGS 84 / SCAR IMW ST45-48

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-76.66666666666667 +lat_2=-79.33333333333333
+lat_0=-90 +lon_0=96 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3272, WGS 84 / SCAR IMW ST49-52

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-76.66666666666667 +lat_2=-79.33333333333333
+lat_0=-90 +lon_0=120 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3273, WGS 84 / SCAR IMW ST53-56

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-76.66666666666667 +lat_2=-79.33333333333333
+lat_0=-90 +lon_0=144 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3274, WGS 84 / SCAR IMW ST57-60

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=lcc +lat_1=-76.66666666666667 +lat_2=-79.33333333333333
+lat_0=-90 +lon_0=168 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3275, WGS 84 / SCAR IMW SU01-05

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=stere +lat_0=-90 +lat_ts=-80.23861111111111 +lon_0=-165 +k=1
+x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84 +units=m +no_defs
```

EPSG 3276, WGS 84 / SCAR IMW SU06-10

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=stere +lat_0=-90 +lat_ts=-80.23861111111111 +lon_0=-135 +k=1
+x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84 +units=m +no_defs
```

EPSG 3277, WGS 84 / SCAR IMW SU11-15

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition:
```
+proj=stere +lat_0=-90 +lat_ts=-80.23861111111111 +lon_0=-105 +k=1
+x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84 +units=m +no_defs
```

EPSG 3278, WGS 84 / SCAR IMW SU16-20

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition: `+proj=stere +lat_0=-90 +lat_ts=-80.23861111111111 +lon_0=-75 +k=1 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 3279, WGS 84 / SCAR IMW SU21-25

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition: `+proj=stere +lat_0=-90 +lat_ts=-80.23861111111111 +lon_0=-45 +k=1 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 3280, WGS 84 / SCAR IMW SU26-30

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition: `+proj=stere +lat_0=-90 +lat_ts=-80.23861111111111 +lon_0=-15 +k=1 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 3281, WGS 84 / SCAR IMW SU31-35

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition: `+proj=stere +lat_0=-90 +lat_ts=-80.23861111111111 +lon_0=15 +k=1 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 3282, WGS 84 / SCAR IMW SU36-40

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition: `+proj=stere +lat_0=-90 +lat_ts=-80.23861111111111 +lon_0=45 +k=1 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 3283, WGS 84 / SCAR IMW SU41-45

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition: `+proj=stere +lat_0=-90 +lat_ts=-80.23861111111111 +lon_0=75 +k=1 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 3284, WGS 84 / SCAR IMW SU46-50

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition: `+proj=stere +lat_0=-90 +lat_ts=-80.23861111111111 +lon_0=105 +k=1 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 3285, WGS 84 / SCAR IMW SU51-55

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition: `+proj=stere +lat_0=-90 +lat_ts=-80.23861111111111 +lon_0=135 +k=1 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 3286, WGS 84 / SCAR IMW SU56-60

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition: `+proj=stere +lat_0=-90 +lat_ts=-80.23861111111111 +lon_0=165 +k=1 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 3287, WGS 84 / SCAR IMW SV01-10

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition: `+proj=stere +lat_0=-90 +lat_ts=-80.23861111111111 +lon_0=-150 +k=1 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 3288, WGS 84 / SCAR IMW SV11-20

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition: `+proj=stere +lat_0=-90 +lat_ts=-80.23861111111111 +lon_0=-90 +k=1 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 3289, WGS 84 / SCAR IMW SV21-30

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition: `+proj=stere +lat_0=-90 +lat_ts=-80.23861111111111 +lon_0=-30 +k=1 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 3290, WGS 84 / SCAR IMW SV31-40

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition: `+proj=stere +lat_0=-90 +lat_ts=-80.23861111111111 +lon_0=30 +k=1 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 3291, WGS 84 / SCAR IMW SV41-50

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition: `+proj=stere +lat_0=-90 +lat_ts=-80.23861111111111 +lon_0=90 +k=1 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 3292, WGS 84 / SCAR IMW SV51-60

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition: `+proj=stere +lat_0=-90 +lat_ts=-80.23861111111111 +lon_0=150 +k=1 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 3293, WGS 84 / SCAR IMW SW01-60

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 `+proj=stere +lat_0=-90 +lat_ts=-80.23861111111111 +lon_0=0 +k=1`

definition: `+x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 3294, WGS 84 / USGS Transantarctic Mountains

Scope: Medium scale studies and topographic mapping.

Remarks:

Source: Scientific Committee for Antarctic Research (SCAR) Geospatial Information Group.

Revision: 14.04.2005

Proj4 definition: `+proj=lcc +lat_1=-76.66666666666667 +lat_2=-79.33333333333333 +lat_0=-78 +lon_0=162 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 3295, Guam 1963 / Yap Islands

Scope: Public reference, land and photgrammetric survey, mapping.

Remarks:

Source: Yap State Code, Title 20, Chapter 5. http://www.fsmlaw.org/yap/code/title20/T20_Ch05.htm

Revision: 21.05.2005

Proj4 definition: `+proj=lcc +lat_1=-76.66666666666667 +lat_2=-79.33333333333333 +lat_0=-78 +lon_0=162 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 3296, RGPF / UTM zone 5S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces Tahaa 54 / UTM zone 5S (CRS code 2977) and Maupiti 83 / UTM zone 5S (code 3306).

Source: Gouvernement de la Polynésie Française, Service de l'Urbanisme, Section topographie.

Revision: 12.08.2005

Proj4 definition: `+proj=utm +zone=5 +south +ellps=GRS80 +units=m +no_defs`

EPSG 3297, RGPF / UTM zone 6S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces Moorea 87 / UTM zone 6S (CRS code 3305) and Tahiti 79 / UTM zone 6S (code 3304).

Source: Gouvernement de la Polynésie Française, Service de l'Urbanisme, Section topographie.

Revision: 12.08.2005

Proj4 definition: `+proj=utm +zone=6 +south +ellps=GRS80 +units=m +no_defs`

EPSG 3298, RGPF / UTM zone 7S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces IGN 63 Hiva Oa / UTM zone 7S (CRS code 3302), IGN 72 Nuku Hiva / UTM zone 7S (code 2978) and MHEFO 55 / UTM zone 7S (code 3303).

Source: Gouvernement de la Polynésie Française, Service de l'Urbanisme, Section topographie.

Revision: 12.08.2005

Proj4 definition: `+proj=utm +zone=7 +south +ellps=GRS80 +units=m +no_defs`

EPSG 3299, RGPF / UTM zone 8S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: Gouvernement de la Polynésie Française, Service de l'Urbanisme, Section topographie.

Revision: 12.08.2005

Proj4 definition: `+proj=utm +zone=8 +south +ellps=GRS80 +units=m +no_defs`

EPSG 3300, Estonian Coordinate System of 1992

Scope: Used for 1:20000 and larger scale mapping.

Remarks: EST97 / TM Baltic (CRS code 25884) used for medium and small scale applications. Replaced by Estonian Coordinate System of 1997 (code 3301).

Source: http://www.geo.ut.ee/

Revision: 30.06.2011

Proj4 definition: `+proj=lcc +lat_1=59.33333333333334 +lat_2=58 +lat_0=57.51755393055556 +lon_0=24 +x_0=500000 +y_0=6375000 +ellps=GRS80 +towgs84=0.055,-0.541,-0.185,0.0183,-0.0003,-0.007,-0.014 +units=m +no_defs`

EPSG 3301, Estonian Coordinate System of 1997

Scope: Used for 1:20000 and larger scale mapping.

Remarks: Replaces Estonian Coordinate System of 1992 (code 3300). EST97 / TM Baltic (CRS code 25884) used for medium and small scale applications.

Source: Estonian National Land Board via EuroGeographics; http://crs.bkg.bund.de/crs-eu/

Revision: 27.05.2005

Proj4 definition: `+proj=lcc +lat_1=59.33333333333334 +lat_2=58 +lat_0=57.51755393055556 +lon_0=24 +x_0=500000 +y_0=6375000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3302, IGN63 Hiva Oa / UTM zone 7S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced by RGPF / UTM zone 7S, CRS code 3298.

Source: Gouvernement de la Polynésie Française, Service de l'Urbanisme, Section topographie.

Revision: 12.08.2005

Proj4 definition: `+proj=utm +zone=7 +south +ellps=intl +units=m +no_defs`

EPSG 3303, Fatu Iva 72 / UTM zone 7S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced by RGPF / UTM zone 7S, CRS code 3298.

Source: Gouvernement de la Polynésie Française, Service de l'Urbanisme, Section

topographie.

Revision: 12.08.2005

Proj4 definition:
```
+proj=utm +zone=7 +south +ellps=intl
+towgs84=347.103,1078.12,2623.92,-33.8875,70.6773,-9.3943,186.074
+units=m +no_defs
```

EPSG 3304, Tahiti 79 / UTM zone 6S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces Tahiti 52 / UTM zone 6S (CRS code 2976) in Tahiti. Replaced by RGPF / UTM zone 6S, CRS code 3297.

Source: Gouvernement de la Polynésie Française, Service de l'Urbanisme, Section topographie.

Revision: 12.08.2005

Proj4 definition:
```
+proj=utm +zone=6 +south +ellps=intl +units=m +no_defs
```

EPSG 3305, Moorea 87 / UTM zone 6S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces Tahiti 52 / UTM zone 6S (CRS code 2976) in Moorea. Replaced by RGPF / UTM zone 6S, CRS code 3297.

Source: Gouvernement de la Polynésie Française, Service de l'Urbanisme, Section topographie.

Revision: 12.08.2005

Proj4 definition:
```
+proj=utm +zone=6 +south +ellps=intl
+towgs84=215.525,149.593,176.229,-3.2624,-1.692,-1.1571,10.4773
+units=m +no_defs
```

EPSG 3306, Maupiti 83 / UTM zone 5S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced by RGPF / UTM zone 5S, CRS code 3296.

Source: Gouvernement de la Polynésie Française, Service de l'Urbanisme, Section topographie.

Revision: 12.08.2005

Proj4 definition:
```
+proj=utm +zone=5 +south +ellps=intl
+towgs84=217.037,86.959,23.956,0,0,0,0 +units=m +no_defs
```

EPSG 3307, Nakhl-e Ghanem / UTM zone 39N

Scope: Engineering survey for onshore facilities for South Pars phase 11 and Pars LNG.

Remarks:

Source: Total

Revision: 17.08.2005

Proj4 definition:
```
+proj=utm +zone=39 +ellps=WGS84 +towgs84=0,-0.15,0.68,0,0,0,0
+units=m +no_defs
```

EPSG 3308, GDA94 / NSW Lambert

Scope: Natural Resources mapping of whole State.

Remarks:

Source: NSW Department of Lands.

Revision: 18.08.2005

Proj4 definition: `+proj=lcc +lat_1=-30.75 +lat_2=-35.75 +lat_0=-33.25 +lon_0=147 +x_0=9300000 +y_0=4500000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3309, NAD27 / California Albers

Scope: Natural Resources mapping of whole State.

Remarks:

Source: California Spatial Information Library (CaSIL), http://gis.ca.gov

Revision: 19.09.2005

Proj4 definition: `+proj=aea +lat_1=34 +lat_2=40.5 +lat_0=0 +lon_0=-120 +x_0=0 +y_0=-4000000 +ellps=clrk66 +datum=NAD27 +units=m +no_defs`

EPSG 3310, NAD83 / California Albers

Scope: Natural Resources mapping of whole State.

Remarks: For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / California Albers.

Source: California Spatial Information Library (CaSIL), http://gis.ca.gov

Revision: 19.09.2005

Proj4 definition: `+proj=aea +lat_1=34 +lat_2=40.5 +lat_0=0 +lon_0=-120 +x_0=0 +y_0=-4000000 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 3311, NAD83(HARN) / California Albers

Scope: Natural Resources mapping of whole State.

Remarks: Replaces NAD83 / California Albers for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / California Albers.

Source: California Spatial Information Library (CaSIL), http://gis.ca.gov

Revision: 20.04.2007

Proj4 definition: `+proj=aea +lat_1=34 +lat_2=40.5 +lat_0=0 +lon_0=-120 +x_0=0 +y_0=-4000000 +ellps=GRS80 +units=m +no_defs`

EPSG 3312, CSG67 / UTM zone 21N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced by RGFG95 / UTM zone 21N (CRS code 3313).

Source: IGN Paris

Revision: 02.11.2010

Proj4 definition: `+proj=utm +zone=21 +ellps=intl +towgs84=-186,230,110,0,0,0,0 +units=m +no_defs`

EPSG 3313, RGFG95 / UTM zone 21N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces CSG67 / UTM zone 21N (CRS code 3312).

Source: IGN Paris

Revision: 23.09.2005

Proj4 definition: `+proj=utm +zone=21 +ellps=GRS80 +towgs84=2,2,-2,0,0,0,0 +units=m +no_defs`

EPSG 3316, Kasai 1953 / Congo TM zone 22

Scope: Cadastre, medium scale topographic mapping and engineering survey.
Remarks:
Source: Institut Geographique du Congo.
Revision: 30.09.2005
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=22 +k=0.9999 +x_0=500000 +y_0=10000000 +ellps=clrk80 +units=m +no_defs`

EPSG 3317, Kasai 1953 / Congo TM zone 24

Scope: Cadastre, medium scale topographic mapping and engineering survey.
Remarks:
Source: Institut Geographique du Congo.
Revision: 30.09.2005
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=24 +k=0.9999 +x_0=500000 +y_0=10000000 +ellps=clrk80 +units=m +no_defs`

EPSG 3318, IGC 1962 / Congo TM zone 12

Scope: Cadastre, medium scale topographic mapping and engineering survey.
Remarks:
Source: Institut Geographique du Congo.
Revision: 30.09.2005
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=12 +k=0.9999 +x_0=500000 +y_0=10000000 +ellps=clrk80 +units=m +no_defs`

EPSG 3319, IGC 1962 / Congo TM zone 14

Scope: Cadastre, medium scale topographic mapping and engineering survey.
Remarks:
Source: Institut Geographique du Congo.
Revision: 30.09.2005
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=14 +k=0.9999 +x_0=500000 +y_0=10000000 +ellps=clrk80 +units=m +no_defs`

EPSG 3320, IGC 1962 / Congo TM zone 16

Scope: Cadastre, medium scale topographic mapping and engineering survey.
Remarks:
Source: Institut Geographique du Congo.
Revision: 30.09.2005
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=16 +k=0.9999 +x_0=500000 +y_0=10000000 +ellps=clrk80 +units=m +no_defs`

EPSG 3321, IGC 1962 / Congo TM zone 18

Scope: Cadastre, medium scale topographic mapping and engineering survey.
Remarks:
Source: Institut Geographique du Congo.
Revision: 30.09.2005
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=18 +k=0.9999 +x_0=500000 +y_0=10000000 +ellps=clrk80 +units=m +no_defs`

EPSG 3322, IGC 1962 / Congo TM zone 20

Scope: Cadastre, medium scale topographic mapping and engineering survey.
Remarks:
Source: Institut Geographique du Congo.
Revision: 30.09.2005
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=20 +k=0.9999 +x_0=500000 +y_0=10000000 +ellps=clrk80 +units=m +no_defs`

EPSG 3323, IGC 1962 / Congo TM zone 22

Scope: Cadastre, medium scale topographic mapping and engineering survey.
Remarks:
Source: Institut Geographique du Congo.
Revision: 30.09.2005
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=22 +k=0.9999 +x_0=500000 +y_0=10000000 +ellps=clrk80 +units=m +no_defs`

EPSG 3324, IGC 1962 / Congo TM zone 24

Scope: Cadastre, medium scale topographic mapping and engineering survey.
Remarks:
Source: Institut Geographique du Congo.
Revision: 30.09.2005
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=24 +k=0.9999 +x_0=500000 +y_0=10000000 +ellps=clrk80 +units=m +no_defs`

EPSG 3325, IGC 1962 / Congo TM zone 26

Scope: Cadastre, medium scale topographic mapping and engineering survey.
Remarks:
Source: Institut Geographique du Congo.
Revision: 30.09.2005
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=26 +k=0.9999 +x_0=500000 +y_0=10000000 +ellps=clrk80 +units=m +no_defs`

EPSG 3326, IGC 1962 / Congo TM zone 28

Scope: Cadastre, medium scale topographic mapping and engineering survey.
Remarks:
Source: Institut Geographique du Congo.
Revision: 30.09.2005
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=28 +k=0.9999 +x_0=500000 +y_0=10000000 +ellps=clrk80 +units=m +no_defs`

EPSG 3327, IGC 1962 / Congo TM zone 30

Scope: Cadastre, medium scale topographic mapping and engineering survey.
Remarks:
Source: Institut Geographique du Congo.
Revision: 30.09.2005
Proj4 `+proj=tmerc +lat_0=0 +lon_0=30 +k=0.9999 +x_0=500000`

definition: +y_0=10000000 +ellps=clrk80 +units=m +no_defs

EPSG 3328, Pulkovo 1942(58) / GUGiK-80

Scope: Small scale (1/100000 and smaler) topographic mapping of whole country.

Remarks:

Source: Geodeta issue 64, September 2000, http://www.atomnet.pl/~geodeta

Revision: 20.07.2011

Proj4 definition: +proj=sterea +lat_0=52.16666666666666 +lon_0=19.16666666666667 +k=0.999714 +x_0=500000 +y_0=500000 +ellps=krass +towgs84=33.4,-146.6,-76.3,-0.359,-0.053,0.844,-0.84 +units=m +no_defs

EPSG 3329, Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 5

Scope: Military large scale (1/5000 and larger) topographic mapping.

Remarks: In Czech Republic, Germany and Hungary, replaced by Pulkovo 1942(83) / 3-degree Gauss-Kruger zone 5 (CRS code 2399). See CRS code 5672 for variant with axes order reversed to easting before northing for use in GIS applications.

Source: Geodeta issue 64, September 2000, http://www.atomnet.pl/~geodeta and other industry sources.

Revision: 21.01.2012

Proj4 definition: +proj=tmerc +lat_0=0 +lon_0=15 +k=1 +x_0=5500000 +y_0=0 +ellps=krass +towgs84=33.4,-146.6,-76.3,-0.359,-0.053,0.844,-0.84 +units=m +no_defs

EPSG 3330, Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 6

Scope: Military large scale (1/5000 and larger) topographic mapping.

Remarks: In Czech Republic, Hungary and Slovakia, replaced by Pulkovo 1942(83) / 3-degree Gauss-Kruger zone 6 (CRS code 3841).

Source: Geodeta issue 64, September 2000, http://www.atomnet.pl/~geodeta and other industry sources.

Revision: 24.09.2008

Proj4 definition: +proj=tmerc +lat_0=0 +lon_0=18 +k=1 +x_0=6500000 +y_0=0 +ellps=krass +towgs84=33.4,-146.6,-76.3,-0.359,-0.053,0.844,-0.84 +units=m +no_defs

EPSG 3331, Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 7

Scope: Military large scale (1/5000 and larger) topographic mapping.

Remarks: In Hungary and Slovakia, replaced by Pulkovo 1942(83) / 3-degree Gauss-Kruger zone 7 (CRS code 4417).

Source: Geodeta issue 64, September 2000, http://www.atomnet.pl/~geodeta and other industry sources.

Revision: 03.07.2009

Proj4 definition: +proj=tmerc +lat_0=0 +lon_0=21 +k=1 +x_0=7500000 +y_0=0 +ellps=krass +towgs84=33.4,-146.6,-76.3,-0.359,-0.053,0.844,-0.84 +units=m +no_defs

EPSG 3332, Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 8

Scope: Military large scale (1/5000 and larger) topographic mapping.

Remarks: In Hungary and Slovakia, replaced by Pulkovo 1942(83) / 3-degree Gauss-Kruger zone 8 (CRS code 4434).

Source: Geodeta issue 64, September 2000, http://www.atomnet.pl/~geodeta and other industry sources.

Revision: 03.07.2009

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=24 +k=1 +x_0=8500000 +y_0=0
+ellps=krass +towgs84=33.4,-146.6,-76.3,-0.359,-0.053,0.844,-0.84
+units=m +no_defs
```

EPSG 3333, Pulkovo 1942(58) / Gauss-Kruger zone 3

Scope: Military medium scale (1/10000 and smaller) topographic mapping and survey.

Remarks: In Germany, Czech Republic, Hungary and Slovakia, replaced by Pulkovo 1942(83) / Gauss-Kruger zone 3 (CRS code 3835). See CRS code 5663 for variant with axes order reversed to easting before northing for use in GIS applications.

Source: Geodeta issue 64, September 2000, http://www.atomnet.pl/~geodeta and other industry sources.

Revision: 21.01.2012

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=15 +k=1 +x_0=3500000 +y_0=0
+ellps=krass +towgs84=33.4,-146.6,-76.3,-0.359,-0.053,0.844,-0.84
+units=m +no_defs
```

EPSG 3334, Pulkovo 1942(58) / Gauss-Kruger zone 4

Scope: Military medium scale (1/10000 and smaller) topographic mapping and survey.

Remarks: In Czech Republic, Hungary and Slovakia, replaced by Pulkovo 1942(83) / Gauss-Kruger zone 4 (CRS code3836).

Source: Geodeta issue 64, September 2000, http://www.atomnet.pl/~geodeta and other industry sources.

Revision: 24.09.2008

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=21 +k=1 +x_0=4500000 +y_0=0
+ellps=krass +towgs84=33.4,-146.6,-76.3,-0.359,-0.053,0.844,-0.84
+units=m +no_defs
```

EPSG 3335, Pulkovo 1942(58) / Gauss-Kruger zone 5

Scope: Military medium scale (1/10000 and smaller) topographic mapping and survey.

Remarks:

Source: Geodeta issue 64, September 2000, http://www.atomnet.pl/~geodeta and other industry sources.

Revision: 24.09.2008

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=27 +k=1 +x_0=5500000 +y_0=0
+ellps=krass +towgs84=33.4,-146.6,-76.3,-0.359,-0.053,0.844,-0.84
+units=m +no_defs
```

EPSG 3336, IGN 1962 Kerguelen / UTM zone 42S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: IGN Paris

Revision: 23.11.2005

Proj4
```
+proj=utm +zone=42 +south +ellps=intl +towgs84=145,-
```

definition: `187,103,0,0,0,0 +units=m +no_defs`

EPSG 3337, Le Pouce 1934 / Mauritius Grid

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: Cartography Section, Ministry of Housing and Land.

Revision: 16.01.2006

Proj4 definition:
```
+proj=lcc +lat_1=-20.19506944444445 +lat_0=-20.19506944444445
+lon_0=57.52182777777778 +k_0=1 +x_0=1000000 +y_0=1000000
+ellps=clrk80 +towgs84=-770.1,158.4,-498.2,0,0,0,0 +units=m
+no_defs
```

EPSG 3338, NAD83 / Alaska Albers

Scope: Small scale mapping and state planning.

Remarks:

Source: State of Alaska Department of Natural Resources

Revision: 11.11.2006

Proj4 definition:
```
+proj=aea +lat_1=55 +lat_2=65 +lat_0=50 +lon_0=-154 +x_0=0 +y_0=0
+ellps=GRS80 +datum=NAD83 +units=m +no_defs
```

EPSG 3339, IGCB 1955 / Congo TM zone 12

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Oil industry operations used IGBC 1955 / UTM zone 33S (code 3342).

Source: IGN Paris

Revision: 28.11.2005

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=12 +k=0.9999 +x_0=500000 +y_0=10000000
+ellps=clrk80 +towgs84=-79.9,-158,-168.9,0,0,0,0 +units=m +no_defs
```

EPSG 3340, IGCB 1955 / Congo TM zone 14

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Oil industry operations used IGBC 1955 / UTM zone 33S (code 3342).

Source: IGN Paris

Revision: 28.11.2005

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=14 +k=0.9999 +x_0=500000 +y_0=10000000
+ellps=clrk80 +towgs84=-79.9,-158,-168.9,0,0,0,0 +units=m +no_defs
```

EPSG 3341, IGCB 1955 / Congo TM zone 16

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Oil industry operations used IGBC 1955 / UTM zone 33S (code 3342).

Source: IGN Paris

Revision: 08.05.2012

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=16 +k=0.9999 +x_0=500000 +y_0=10000000
+ellps=clrk80 +towgs84=-79.9,-158,-168.9,0,0,0,0 +units=m +no_defs
```

EPSG 3342, IGCB 1955 / UTM zone 33S

Scope: Oil industry operations.

Remarks:

Source: Petrofina.

Revision: 28.11.2005

Proj4 definition: `+proj=utm +zone=33 +south +ellps=clrk80 +towgs84=-79.9,-158,-168.9,0,0,0,0 +units=m +no_defs`

EPSG 3343, Mauritania 1999 / UTM zone 28N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: Ministry of Works and Transport, Topography and Cartography Directive.

Revision: 05.01.2012

Proj4 definition: `+proj=utm +zone=28 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3344, Mauritania 1999 / UTM zone 29N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: Ministry of Works and Transport, Topography and Cartography Directive.

Revision: 08.05.2012

Proj4 definition: `+proj=utm +zone=29 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3345, Mauritania 1999 / UTM zone 30N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: Ministry of Works and Transport, Topography and Cartography Directive.

Revision: 08.05.2012

Proj4 definition: `+proj=utm +zone=30 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3346, LKS94 / Lithuania TM

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: LKS94 / TM Baltic (CRS code 25884) used for medium and small scale applications.

Source: EuroGeographics; http://crs.bkg.bund.de/crs-eu/

Revision: 30.11.2005

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=24 +k=0.9998 +x_0=500000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3347, NAD83 / Statistics Canada Lambert

Scope: Small scale mapping and statistical analysis.

Remarks: Data may sometimes be referenced to NAD83(CSRS) / STC Lambert (see CRS code 3348) which is then called "NAD83 / STC Lambert". At the scales involved the difference of under 2 metres between the two CRSs may not be significant.

Source: Statistics Canada.

Revision: 30.03.2010

Proj4 definition: `+proj=lcc +lat_1=49 +lat_2=77 +lat_0=63.390675 +lon_0=-91.86666666666666 +x_0=6200000 +y_0=3000000 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 3348, NAD83(CSRS) / Statistics Canada Lambert

Scope: Small scale mapping and statistical analysis.

Remarks: This CRS may sometimes be called "NAD83 / STC Lambert". That is the name of a different system (see CRS code 3347) but at the scales involved the positional difference of under 2 metres may not be significant.

Source: Statistics Canada.

Revision: 21.12.2005

Proj4 definition: `+proj=lcc +lat_1=49 +lat_2=77 +lat_0=63.390675 +lon_0=-91.86666666666666 +x_0=6200000 +y_0=3000000 +ellps=GRS80 +units=m +no_defs`

EPSG 3350, Pulkovo 1942 / CS63 zone C0

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: Informacines Technologijos Group

Revision: 21.12.2005

Proj4 definition: `+proj=tmerc +lat_0=0.1 +lon_0=21.95 +k=1 +x_0=250000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 3351, Pulkovo 1942 / CS63 zone C1

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: Informacines Technologijos Group

Revision: 21.12.2005

Proj4 definition: `+proj=tmerc +lat_0=0.1 +lon_0=24.95 +k=1 +x_0=1250000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 3352, Pulkovo 1942 / CS63 zone C2

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: Informacines Technologijos Group

Revision: 21.12.2005

Proj4 definition: `+proj=tmerc +lat_0=0.1 +lon_0=27.95 +k=1 +x_0=2250000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 3353, Mhast (onshore) / UTM zone 32S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Used by CABGOC. For offshore areas, in 1979 replaced by Mhast (offshore) / UTM zone 32S (CRS code 3354), from which this CRS differs by approximately 10m.

Source: ChevronTexaco.

Revision: 06.01.2006

Proj4 `+proj=utm +zone=32 +south +ellps=intl +units=m +no_defs`

definition:

EPSG 3354, Mhast (offshore) / UTM zone 32S

Scope: Oil industry exploration and production between 1979 and 1987.

Remarks: Used by CABGOC for offshore areas between 1979 and 1987. Differs from Mhast (onshore) / UTM zone 32S by approximately 10m. Replaced by Malongo 1987 / UTM zone 32S (CRS code 25932) in 1987.

Source: ChevronTexaco.

Revision: 06.01.2006

Proj4 definition:
```
+proj=utm +zone=32 +south +ellps=intl +units=m +no_defs
```

EPSG 3355, Egypt Gulf of Suez S-650 TL / Red Belt

Scope: Oil industry exploration and production in Gulf of Suez after 1980.

Remarks: Differs from Egypt 1907 / Red Belt (CRS code 22992) by approximately 20m.

Source: Various industry sources.

Revision: 31.01.2006

Proj4 definition:
```
+proj=tmerc +lat_0=30 +lon_0=31 +k=1 +x_0=615000 +y_0=810000
+ellps=helmert +towgs84=-146.21,112.63,4.05,0,0,0,0 +units=m
+no_defs
```

EPSG 3358, NAD83(HARN) / North Carolina

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See CRS code 3404 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=36.16666666666666 +lat_2=34.33333333333334
+lat_0=33.75 +lon_0=-79 +x_0=609601.22 +y_0=0 +ellps=GRS80 +units=m
+no_defs
```

EPSG 3360, NAD83(HARN) / South Carolina

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in International feet (note: not US survey feet). See code 3361 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=34.83333333333334 +lat_2=32.5
+lat_0=31.83333333333333 +lon_0=-81 +x_0=609600 +y_0=0 +ellps=GRS80
+units=m +no_defs
```

EPSG 3361, NAD83(HARN) / South Carolina (ft)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in International feet (note: not US survey feet).

Federal definition is metric - see code 3360. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=34.83333333333334 +lat_2=32.5
+lat_0=31.83333333333333 +lon_0=-81 +x_0=609600 +y_0=0 +ellps=GRS80
+to_meter=0.3048 +no_defs
```

EPSG 3362, NAD83(HARN) / Pennsylvania North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 3363 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=41.95 +lat_2=40.88333333333333
+lat_0=40.16666666666666 +lon_0=-77.75 +x_0=600000 +y_0=0
+ellps=GRS80 +units=m +no_defs
```

EPSG 3363, NAD83(HARN) / Pennsylvania North (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 3362. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=41.95 +lat_2=40.88333333333333
+lat_0=40.16666666666666 +lon_0=-77.75 +x_0=600000 +y_0=0
+ellps=GRS80 +to_meter=0.3048006096012192 +no_defs
```

EPSG 3364, NAD83(HARN) / Pennsylvania South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 3365 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 24.06.2008

Proj4 definition:
```
+proj=lcc +lat_1=40.96666666666667 +lat_2=39.93333333333333
+lat_0=39.33333333333334 +lon_0=-77.75 +x_0=600000 +y_0=0
+ellps=GRS80 +units=m +no_defs
```

EPSG 3365, NAD83(HARN) / Pennsylvania South (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 3364. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4
```
+proj=lcc +lat_1=40.96666666666667 +lat_2=39.93333333333333
```

definition: `+lat_0=39.33333333333334 +lon_0=-77.75 +x_0=600000 +y_0=0 +ellps=GRS80 +to_meter=0.3048006096012192 +no_defs`

EPSG 3367, IGN Astro 1960 / UTM zone 28N

Scope: Small scale topographic mapping.

Remarks: Mining title descriptions referring only to "Clarke 1880 ellipsoid, UTM zone 28" should be assumed to be referenced to this CRS. Oil industry considers "Mauritanian Mining Cadastre 1999 / UTM zone 28N" to be exactly defined through tfm code 15857.

Source: OGP

Revision: 16.03.2006

Proj4 definition: `+proj=utm +zone=28 +ellps=clrk80 +units=m +no_defs`

EPSG 3368, IGN Astro 1960 / UTM zone 29N

Scope: Small scale topographic mapping.

Remarks: Mining title descriptions referring only to "Clarke 1880 ellipsoid, UTM zone 29" should be assumed to be referenced to this CRS. Oil industry considers "Mauritanian Mining Cadastre 1999 / UTM zone 29N" to be exactly defined through tfm code 15858.

Source: OGP

Revision: 16.03.2006

Proj4 definition: `+proj=utm +zone=29 +ellps=clrk80 +units=m +no_defs`

EPSG 3369, IGN Astro 1960 / UTM zone 30N

Scope: Small scale topographic mapping.

Remarks: Mining title descriptions referring only to "Clarke 1880 ellipsoid, UTM zone 30" should be assumed to be referenced to this CRS. Oil industry considers "Mauritanian Mining Cadastre 1999 / UTM zone 30N" to be exactly defined through tfm code 15859.

Source: OGP

Revision: 16.03.2006

Proj4 definition: `+proj=utm +zone=30 +ellps=clrk80 +units=m +no_defs`

EPSG 3370, NAD27 / UTM zone 59N

Scope: Medium scale topographic mapping.

Remarks:

Source: US Geological Survey

Revision: 16.03.2006

Proj4 definition: `+proj=utm +zone=59 +ellps=clrk66 +datum=NAD27 +units=m +no_defs`

EPSG 3371, NAD27 / UTM zone 60N

Scope: Medium scale topographic mapping.

Remarks:

Source: US Geological Survey

Revision: 16.03.2006

Proj4 definition: +proj=utm +zone=60 +ellps=clrk66 +datum=NAD27 +units=m +no_defs

EPSG 3372, NAD83 / UTM zone 59N

Scope: Medium scale topographic mapping.

Remarks: Replaces NAD27 / UTM zone 59N. For accuracies better than 1m replaced by NAD83(NSRS) / UTM zone 59N.

Source: US Geological Survey

Revision: 29.05.2007

Proj4 definition: +proj=utm +zone=59 +ellps=GRS80 +datum=NAD83 +units=m +no_defs

EPSG 3373, NAD83 / UTM zone 60N

Scope: Medium scale topographic mapping.

Remarks: Replaces NAD27 / UTM zone 60N. For accuracies better than 1m replaced by NAD83(NSRS) / UTM zone 60N.

Source: US Geological Survey

Revision: 29.05.2007

Proj4 definition: +proj=utm +zone=60 +ellps=GRS80 +datum=NAD83 +units=m +no_defs

EPSG 3374, FD54 / UTM zone 29N

Scope: Topographic mapping, engineering survey.

Remarks: Replaced by ED50 / UTM zone 29N in late 1970's.

Source: Kort & Matrikelstyrelsen (KMS), Copenhagen.

Revision: 04.08.2006

Proj4 definition: +proj=utm +zone=29 +ellps=intl +units=m +no_defs

EPSG 3375, GDM2000 / Peninsula RSO

Scope: Topographic mapping, engineering survey.

Remarks: Replaces Kertau (RSO) / RSO Malaya (CRS codes 3167-68).

Source: GDM2000 Technical Manual; Department of Survey and Mapping Malaysia. www.jupem.gov.my

Revision: 21.01.2012

Proj4 definition: +proj=omerc +lat_0=4 +lonc=102.25 +alpha=323.0257964666666 +k=0.99984 +x_0=804671 +y_0=0 +ellps=GRS80 +units=m +no_defs

EPSG 3376, GDM2000 / East Malaysia BRSO

Scope: Topographic mapping, engineering survey.

Remarks: Replaces Timbalai 1948 / RSO Borneo (CRS codes 29871-73).

Source: GDM2000 Technical Manual; Department of Survey and Mapping Malaysia. www.jupem.gov.my

Revision: 21.01.2012

Proj4 definition: +proj=omerc +lat_0=4 +lonc=115 +alpha=53.31580995 +k=0.99984 +x_0=0 +y_0=0 +ellps=GRS80 +units=m +no_defs

EPSG 3377, GDM2000 / Johor Grid

Scope: Cadastral survey.

Remarks: Replaces earlier Johor grid.

Source: GDM2000 Technical Manual; Department of Survey and Mapping Malaysia. www.jupem.gov.my

Revision: 16.03.2006

Proj4 definition:
```
+proj=cass +lat_0=2.121679744444445 +lon_0=103.4279362361111
+x_0=-14810.562 +y_0=8758.32 +ellps=GRS80 +units=m +no_defs
```

EPSG 3378, GDM2000 / Sembilan and Melaka Grid

Scope: Cadastral survey.

Remarks: Replaces earlier Sembilan and Melaka grid.

Source: GDM2000 Technical Manual; Department of Survey and Mapping Malaysia. www.jupem.gov.my

Revision: 16.03.2006

Proj4 definition:
```
+proj=cass +lat_0=2.682347636111111 +lon_0=101.9749050416667
+x_0=3673.785 +y_0=-4240.573 +ellps=GRS80 +units=m +no_defs
```

EPSG 3379, GDM2000 / PahangGrid

Scope: Cadastral survey.

Remarks: Replaces earlier Pahang grid.

Source: GDM2000 Technical Manual; Department of Survey and Mapping Malaysia. www.jupem.gov.my

Revision: 16.03.2006

Proj4 definition:
```
+proj=cass +lat_0=3.769388088888889 +lon_0=102.3682989833333
+x_0=-7368.228 +y_0=6485.858 +ellps=GRS80 +units=m +no_defs
```

EPSG 3380, GDM2000 / Selangor Grid

Scope: Cadastral survey.

Remarks: Replaces earlier Selangor grid.

Source: GDM2000 Technical Manual; Department of Survey and Mapping Malaysia. www.jupem.gov.my

Revision: 16.03.2006

Proj4 definition:
```
+proj=cass +lat_0=3.68464905 +lon_0=101.3891079138889 +x_0=-
34836.161 +y_0=56464.049 +ellps=GRS80 +units=m +no_defs
```

EPSG 3381, GDM2000 / Terengganu Grid

Scope: Cadastral survey.

Remarks: Replaces earlier Terengganu grid.

Source: GDM2000 Technical Manual; Department of Survey and Mapping Malaysia. www.jupem.gov.my

Revision: 16.03.2006

Proj4 definition:
```
+proj=cass +lat_0=4.9762852 +lon_0=103.070275625 +x_0=19594.245
+y_0=3371.895 +ellps=GRS80 +units=m +no_defs
```

EPSG 3382, GDM2000 / Pinang Grid

Scope: Cadastral survey.

Remarks: Replaces earlier Pinang grid.

Source: GDM2000 Technical Manual; Department of Survey and Mapping

Malaysia. www.jupem.gov.my

Revision: 16.03.2006

Proj4 definition:
```
+proj=cass +lat_0=5.421517541666667 +lon_0=100.3443769638889
+x_0=-23.414 +y_0=62.283 +ellps=GRS80 +units=m +no_defs
```

EPSG 3383, GDM2000 / Kedah and Perlis Grid

Scope: Cadastral survey.

Remarks: Replaces earlier Kedah and Perlis grid.

Source: GDM2000 Technical Manual; Department of Survey and Mapping Malaysia. www.jupem.gov.my

Revision: 16.03.2006

Proj4 definition:
```
+proj=cass +lat_0=5.964672713888889 +lon_0=100.6363711111111
+x_0=0 +y_0=0 +ellps=GRS80 +units=m +no_defs
```

EPSG 3384, GDM2000 / Perak Grid

Scope: Cadastral survey.

Remarks: Replaces earlier Perak grid.

Source: GDM2000 Technical Manual; Department of Survey and Mapping Malaysia. www.jupem.gov.my

Revision: 16.03.2006

Proj4 definition:
```
+proj=cass +lat_0=4.859063022222222 +lon_0=100.8154105861111
+x_0=-1.769 +y_0=133454.779 +ellps=GRS80 +units=m +no_defs
```

EPSG 3385, GDM2000 / Kelantan Grid

Scope: Cadastral survey.

Remarks: Replaces earlier Kelantan Grid.

Source: GDM2000 Technical Manual; Department of Survey and Mapping Malaysia. www.jupem.gov.my

Revision: 16.03.2006

Proj4 definition:
```
+proj=cass +lat_0=5.972543658333334 +lon_0=102.2952416694444
+x_0=13227.851 +y_0=8739.894 +ellps=GRS80 +units=m +no_defs
```

EPSG 3386, KKJ / Finland zone 0

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: National Land Survey of Finland; http://www.maanmittauslaitos.fi

Revision: 13.02.2012

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=18 +k=1 +x_0=500000 +y_0=0
+ellps=intl +units=m +no_defs
```

EPSG 3387, KKJ / Finland zone 5

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: National Land Survey of Finland; http://www.maanmittauslaitos.fi

Revision: 30.03.2006

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=33 +k=1 +x_0=5500000 +y_0=0
+ellps=intl +units=m +no_defs
```

EPSG 3388, Pulkovo 1942 / Caspian Sea Mercator

Scope: Nautical charting and marine navigation.

Remarks:

Source: Main Department of Navigation & Oceanography of the USSR Ministry of Defence.

Revision: 08.05.2006

Proj4 definition: `+proj=merc +lon_0=51 +k=1 +x_0=0 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 3389, Pulkovo 1942 / 3-degree Gauss-Kruger zone 60

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 180E (code 2636).

Source: OGP

Revision: 02.06.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=180 +k=1 +x_0=60500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 3390, Pulkovo 1995 / 3-degree Gauss-Kruger zone 60

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 180E (code 2754).

Source: OGP

Revision: 02.06.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=180 +k=1 +x_0=60500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 3391, Karbala 1979 / UTM zone 37N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: At time of record population, information regarding usage within oil sector is not available.

Source: Various industry sources.

Revision: 02.06.2009

Proj4 definition: `+proj=utm +zone=37 +ellps=clrk80 +towgs84=84.1,-320.1,218.7,0,0,0,0 +units=m +no_defs`

EPSG 3392, Karbala 1979 / UTM zone 38N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces Nahrwan 1967 / UTM zone 38N (projCRS code 27087). At time of record population, information regarding usage within oil sector is not available.

Source: Various industry sources.

Revision: 02.06.2009

Proj4 definition: `+proj=utm +zone=38 +ellps=clrk80 +towgs84=84.1,-320.1,218.7,0,0,0,0 +units=m +no_defs`

EPSG 3393, Karbala 1979 / UTM zone 39N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces Nahrwan 1967 / UTM zone 39N (projCRS code 27039). At time of record population, information regarding usage within oil sector is not available.

Source: Various industry sources.

Revision: 02.06.2009

Proj4 definition:
```
+proj=utm +zone=39 +ellps=clrk80 +towgs84=84.1,-
320.1,218.7,0,0,0,0 +units=m +no_defs
```

EPSG 3394, Nahrwan 1934 / Iraq zone

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: In Iran, replaced by FD58 / Iraq zone (projCRS code 3200). In Iraq, replaced by Nahrwan 1967 / UTM (projCRS codes 27038-39).

Source: Various industry sources.

Revision: 02.06.2006

Proj4 definition:
```
+proj=lcc +lat_1=32.5 +lat_0=32.5 +lon_0=45
+k_0=0.9987864078000001 +x_0=1500000 +y_0=1166200 +ellps=clrk80
+units=m +no_defs
```

EPSG 3395, WGS 84 / World Mercator

Scope: Very small scale mapping.

Remarks: Euro-centric view of world excluding polar areas.

Source: OGP

Revision: 02.06.2006

Proj4 definition:
```
+proj=merc +lon_0=0 +k=1 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84
+units=m +no_defs
```

EPSG 3396, PD/83 / 3-degree Gauss-Kruger zone 3

Scope: Topographic survey, mapping, cadastral survey.

Remarks: Consistent with DHDN (CRS code 4314) at the 1-metre level. For low accuracy applications PD/83 can be considered the same as DHDN. See CRS code 5666 for variant with axes order reversed to easting before northing for use in GIS applications.

Source: BKG via EuroGeographics. http://crs.bkg.bunde.de

Revision: 21.01.2012

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=9 +k=1 +x_0=3500000 +y_0=0
+ellps=bessel +units=m +no_defs
```

EPSG 3397, PD/83 / 3-degree Gauss-Kruger zone 4

Scope: Topographic survey, mapping, cadastral survey.

Remarks: Consistent with DHDN (CRS code 4314) at the 1-metre level. For low accuracy applications PD/83 can be considered the same as DHDN. See CRS code 5667 for variant with axes order reversed to easting before northing for use in GIS applications.

Source: BKG via EuroGeographics. http://crs.bkg.bunde.de

Revision: 21.01.2012

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=12 +k=1 +x_0=4500000 +y_0=0
+ellps=bessel +units=m +no_defs
```

EPSG 3398, RD/83 / 3-degree Gauss-Kruger zone 4

Scope: Topographic survey, mapping, cadastral survey.

Remarks: Consistent with DHDN (CRS code 4314) at the 1-metre level. For low accuracy applications RD/83 can be considered the same as DHDN. See CRS code 5668 for variant with axes order reversed to easting before northing for use in GIS applications.

Source: BKG via EuroGeographics. http://crs.bkg.bunde.de

Revision: 21.01.2012

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=12 +k=1 +x_0=4500000 +y_0=0
+ellps=bessel +units=m +no_defs
```

EPSG 3399, RD/83 / 3-degree Gauss-Kruger zone 5

Scope: Topographic survey, mapping, cadastral survey.

Remarks: Consistent with DHDN (CRS code 4314) at the 1-metre level. For low accuracy applications RD/83 can be considered the same as DHDN. See CRS code 5669 for variant with axes order reversed to easting before northing for use in GIS applications.

Source: BKG via EuroGeographics. http://crs.bkg.bunde.de

Revision: 21.01.2012

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=15 +k=1 +x_0=5500000 +y_0=0
+ellps=bessel +units=m +no_defs
```

EPSG 3400, NAD83 / Alberta 10-TM (Forest)

Scope: Province-wide spatial data management and mapping.

Remarks: Easting coordinates are always positive in Alberta. For an alternative with easting coordinates that may be either positive or negative, see NAD83 / Alberta 10-TM (Resource) (CRS code 3401).

Source: Government of Alberta, Department of Alberta Agriculture Food and Rural Development.

Revision: 17.06.2006

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=-115 +k=0.9992 +x_0=500000 +y_0=0
+ellps=GRS80 +datum=NAD83 +units=m +no_defs
```

EPSG 3401, NAD83 / Alberta 10-TM (Resource)

Scope: Province-wide spatial data management and mapping.

Remarks: Has negative easting coordinates in western Alberta. For an alternative with positive coordinates see NAD83 / Alberta 10-TM (Forest) (CRS code 3400).

Source: Government of Alberta, Department of Alberta Agriculture Food and Rural Development.

Revision: 17.06.2006

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=-115 +k=0.9992 +x_0=0 +y_0=0
+ellps=GRS80 +datum=NAD83 +units=m +no_defs
```

EPSG 3402, NAD83(CSRS) / Alberta 10-TM (Forest)

Scope: Province-wide spatial data management and mapping.

Remarks: Easting coordinates are always positive in Alberta. For an alternative with

easting coordinates that may be either positive or negative, see NAD83(CSRS) / Alberta 10-TM (Resource) (CRS code 3403).

Source: Government of Alberta, Department of Alberta Agriculture Food and Rural Development.

Revision: 17.06.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-115 +k=0.9992 +x_0=500000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 3403, NAD83(CSRS) / Alberta 10-TM (Resource)

Scope: Province-wide spatial data management and mapping.

Remarks: Has negative easting coordinates in western Alberta. For an alternative with positive coordinates see NAD83(CSRS) / Alberta 10-TM (Forest) (CRS code 3402).

Source: Government of Alberta, Department of Alberta Agriculture Food and Rural Development.

Revision: 17.06.2006

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-115 +k=0.9992 +x_0=0 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 3404, NAD83(HARN) / North Carolina (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see CRS code 3358. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=lcc +lat_1=36.16666666666666 +lat_2=34.33333333333334 +lat_0=33.75 +lon_0=-79 +x_0=609601.2192024384 +y_0=0 +ellps=GRS80 +to_meter=0.3048006096012192 +no_defs`

EPSG 3405, VN-2000 / UTM zone 48N

Scope: Geodetic survey, topographic mapping, engineering survey.

Remarks: Replaces Hanoi 1972 / Gauss-Kruger zone 18 (CRS code 2044).

Source: General Director of Land Administration.

Revision: 13.09.2006

Proj4 definition: `+proj=utm +zone=48 +ellps=WGS84 +units=m +no_defs`

EPSG 3406, VN-2000 / UTM zone 49N

Scope: Geodetic survey, topographic mapping, engineering survey.

Remarks: Replaces Hanoi 1972 / Gauss-Kruger zone 19 (CRS code 2045).

Source: General Director of Land Administration.

Revision: 13.09.2006

Proj4 definition: `+proj=utm +zone=49 +ellps=WGS84 +units=m +no_defs`

EPSG 3407, Hong Kong 1963 Grid System

Scope: Large scale topographic mapping, cadastral and engineering survey.

Remarks: Replaced by Hong Kong 1980 Grid System (CRS code 2326).

Source: Survey and Mapping Office, Lands Department.

Http://www.info.gov.hk/landsd

Revision: 25.09.2006

Proj4 definition: `+proj=cass +lat_0=22.31213333333334 +lon_0=114.1785555555556 +x_0=40243.57775604237 +y_0=19069.93351512578 +a=6378293.645208759 +b=6356617.987679838 +to_meter=0.3047972654 +no_defs`

EPSG 3408, NSIDC EASE-Grid North

Scope: Gridding and small scale and digital mapping for environmental sciences, including EASE-Grid.

Remarks: Used as basis for Equal-Area Scalable Earth Grid (EASE-Grid). See information source for equations to define EASE-Grid overlay. See CRS 3973 for alternative based on WGS 84.

Source: Brodzik, M. J., & Knowles, K. (2002). EASE-Grid: a versatile set of equal-area projections and grids. http://www.ncgia.ucsb.edu/globalgrids-book/ease_grid

Revision: 02.06.2009

Proj4 definition: `+proj=laea +lat_0=90 +lon_0=0 +x_0=0 +y_0=0 +a=6371228 +b=6371228 +units=m +no_defs`

EPSG 3409, NSIDC EASE-Grid South

Scope: Gridding and small scale and digital mapping for environmental sciences, including EASE-Grid.

Remarks: Used as basis for Equal-Area Scalable Earth Grid (EASE-Grid). See information source for equations to define EASE-Grid overlay. See CRS 3974 for alternative based on WGS 84.

Source: Brodzik, M. J., & Knowles, K. (2002). EASE-Grid: a versatile set of equal-area projections and grids. http://www.ncgia.ucsb.edu/globalgrids-book/ease_grid

Revision: 02.06.2009

Proj4 definition: `+proj=laea +lat_0=-90 +lon_0=0 +x_0=0 +y_0=0 +a=6371228 +b=6371228 +units=m +no_defs`

EPSG 3410, NSIDC EASE-Grid Global

Scope: Gridding and small scale and digital mapping for environmental sciences, including EASE-Grid, in mid- and low latitudes.

Remarks: Used as basis for Equal-Area Scalable Earth Grid (EASE-Grid). See information source for equations to define EASE-Grid overlay. See CRS 3975 for alternative based on WGS 84.

Source: Brodzik, M. J., & Knowles, K. (2002). EASE-Grid: a versatile set of equal-area projections and grids. http://www.ncgia.ucsb.edu/globalgrids-book/ease_grid

Revision: 02.06.2009

Proj4 definition: `+proj=cea +lon_0=0 +lat_ts=30 +x_0=0 +y_0=0 +a=6371228 +b=6371228 +units=m +no_defs`

EPSG 3411, NSIDC Sea Ice Polar Stereographic North

Scope: Polar research. Used for small scale mapping of DMSP SSM/I microwave satellite imagery.

Remarks: The datum is unspecified. Uncertainty in location of over 1 km may result; at

the coarse resolution and very small scales for which this system should be used this uncertainty may be insignificant. See CRS 3413 for geodetically preferred alternative.

Source: US National Snow and Ice Data Center.

Revision: 02.06.2009

Proj4 definition: `+proj=stere +lat_0=90 +lat_ts=70 +lon_0=-45 +k=1 +x_0=0 +y_0=0 +a=6378273 +b=6356889.449 +units=m +no_defs`

EPSG 3412, NSIDC Sea Ice Polar Stereographic South

Scope: Polar research. Used for small scale mapping of DMSP SSM/I microwave satellite imagery.

Remarks: The datum is unspecified. Uncertainty in location of over 1 km may result; at the coarse resolution and very small scales for which this system should be used this uncertainty may be insignificant. See CRS 3976 for geodetically preferred alternative.

Source: US National Snow and Ice Data Center.

Revision: 02.06.2009

Proj4 definition: `+proj=stere +lat_0=-90 +lat_ts=-70 +lon_0=0 +k=1 +x_0=0 +y_0=0 +a=6378273 +b=6356889.449 +units=m +no_defs`

EPSG 3413, WGS 84 / NSIDC Sea Ice Polar Stereographic North

Scope: Polar research. Used for small scale mapping of satellite imagery and mosaic of Greenland.

Remarks: Geodetically preferred alternative to NSIDC PS North (see CRS code 3411).

Source: US National Snow and Ice Data Center.

Revision: 02.06.2009

Proj4 definition: `+proj=stere +lat_0=90 +lat_ts=70 +lon_0=-45 +k=1 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 3414, SVY21 / Singapore TM

Scope: Cadastre.

Remarks: For cadastral purposes, replaces Kertau 1968 / Singapore Grid (CRS code 24500) from August 2004.

Source: Singapore Land Authority, http:/www.sla.gov.sg

Revision: 13.10.2006

Proj4 definition: `+proj=tmerc +lat_0=1.366666666666667 +lon_0=103.8333333333333 +k=1 +x_0=28001.642 +y_0=38744.572 +ellps=WGS84 +units=m +no_defs`

EPSG 3415, WGS 72BE / South China Sea Lambert

Scope: Oil exploration.

Remarks: Adopted during the 1980s by western operators of all SCS licence areas. See map projection remarks for ambiguity in definition.

Source: Mobil Exploration.

Revision: 08.12.2006

Proj4 definition: `+proj=lcc +lat_1=18 +lat_2=24 +lat_0=21 +lon_0=114 +x_0=500000 +y_0=500000 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 3416, ETRS89 / Austria Lambert

Scope: Medium and small scale mapping and GIS.

Remarks: Replaces MGI / Austria Lambert (CRS code 31287).

Source: Bundesamt fur Eich- und Vermessungswesen (BEV); Wien. www.bev.gv.at

Revision: 25.02.2011

Proj4 definition:
```
+proj=lcc +lat_1=49 +lat_2=46 +lat_0=47.5 +lon_0=13.33333333333333
+x_0=400000 +y_0=400000 +ellps=GRS80 +units=m +no_defs
```

EPSG 3417, NAD83 / Iowa North (ft US)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 26975. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey

Revision: 20.12.2006

Proj4 definition:
```
+proj=lcc +lat_1=43.26666666666667 +lat_2=42.06666666666667
+lat_0=41.5 +lon_0=-93.5 +x_0=1500000 +y_0=999999.9999898402
+ellps=GRS80 +datum=NAD83 +to_meter=0.3048006096012192 +no_defs
```

EPSG 3418, NAD83 / Iowa South (ft US)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 26976. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey

Revision: 20.12.2006

Proj4 definition:
```
+proj=lcc +lat_1=41.78333333333333 +lat_2=40.61666666666667
+lat_0=40 +lon_0=-93.5 +x_0=500000.00001016 +y_0=0 +ellps=GRS80
+datum=NAD83 +to_meter=0.3048006096012192 +no_defs
```

EPSG 3419, NAD83 / Kansas North (ft US)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 26977. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey

Revision: 20.12.2006

Proj4 definition:
```
+proj=lcc +lat_1=39.78333333333333 +lat_2=38.71666666666667
+lat_0=38.33333333333334 +lon_0=-98 +x_0=399999.99998984 +y_0=0
+ellps=GRS80 +datum=NAD83 +to_meter=0.3048006096012192 +no_defs
```

EPSG 3420, NAD83 / Kansas South (ft US)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 26978. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey

Revision: 20.12.2006

Proj4 definition: `+proj=lcc +lat_1=38.56666666666667 +lat_2=37.26666666666667 +lat_0=36.66666666666666 +lon_0=-98.5 +x_0=399999.99998984 +y_0=399999.99998984 +ellps=GRS80 +datum=NAD83 +to_meter=0.3048006096012192 +no_defs`

EPSG 3421, NAD83 / Nevada East (ft US)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 32107. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey

Revision: 20.12.2006

Proj4 definition: `+proj=tmerc +lat_0=34.75 +lon_0=-115.5833333333333 +k=0.9999 +x_0=200000.00001016 +y_0=8000000.000010163 +ellps=GRS80 +datum=NAD83 +to_meter=0.3048006096012192 +no_defs`

EPSG 3422, NAD83 / Nevada Central (ft US)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 32108. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey

Revision: 20.12.2006

Proj4 definition: `+proj=tmerc +lat_0=34.75 +lon_0=-116.6666666666667 +k=0.9999 +x_0=500000.00001016 +y_0=6000000 +ellps=GRS80 +datum=NAD83 +to_meter=0.3048006096012192 +no_defs`

EPSG 3423, NAD83 / Nevada West (ft US)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 32109. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey

Revision: 20.12.2006

Proj4 definition: `+proj=tmerc +lat_0=34.75 +lon_0=-118.5833333333333 +k=0.9999 +x_0=800000.0000101599 +y_0=3999999.99998984 +ellps=GRS80 +datum=NAD83 +to_meter=0.3048006096012192 +no_defs`

EPSG 3424, NAD83 / New Jersey (ft US)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 32111. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey

Revision: 20.12.2006

Proj4 definition: `+proj=tmerc +lat_0=38.83333333333334 +lon_0=-74.5 +k=0.9999 +x_0=150000 +y_0=0 +ellps=GRS80 +datum=NAD83 +to_meter=0.3048006096012192 +no_defs`

EPSG 3425, NAD83(HARN) / Iowa North (ft US)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2794. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=43.26666666666667 +lat_2=42.06666666666667
+lat_0=41.5 +lon_0=-93.5 +x_0=1500000 +y_0=999999.9999898402
+ellps=GRS80 +to_meter=0.3048006096012192 +no_defs
```

EPSG 3426, NAD83(HARN) / Iowa South (ft US)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2795. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=41.78333333333333 +lat_2=40.61666666666667
+lat_0=40 +lon_0=-93.5 +x_0=500000.00001016 +y_0=0 +ellps=GRS80
+to_meter=0.3048006096012192 +no_defs
```

EPSG 3427, NAD83(HARN) / Kansas North (ft US)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2796. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=39.78333333333333 +lat_2=38.71666666666667
+lat_0=38.33333333333334 +lon_0=-98 +x_0=399999.99998984 +y_0=0
+ellps=GRS80 +to_meter=0.3048006096012192 +no_defs
```

EPSG 3428, NAD83(HARN) / Kansas South (ft US)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2797. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=38.56666666666667 +lat_2=37.26666666666667
+lat_0=36.66666666666666 +lon_0=-98.5 +x_0=399999.99998984
+y_0=399999.99998984 +ellps=GRS80 +to_meter=0.3048006096012192
+no_defs
```

EPSG 3429, NAD83(HARN) / Nevada East (ft US)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2820. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=tmerc +lat_0=34.75 +lon_0=-115.5833333333333 +k=0.9999 +x_0=200000.00001016 +y_0=8000000.000010163 +ellps=GRS80 +to_meter=0.3048006096012192 +no_defs`

EPSG 3430, NAD83(HARN) / Nevada Central (ft US)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2821. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=tmerc +lat_0=34.75 +lon_0=-116.6666666666667 +k=0.9999 +x_0=500000.00001016 +y_0=6000000 +ellps=GRS80 +to_meter=0.3048006096012192 +no_defs`

EPSG 3431, NAD83(HARN) / Nevada West (ft US)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2822. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=tmerc +lat_0=34.75 +lon_0=-118.5833333333333 +k=0.9999 +x_0=800000.0000101599 +y_0=3999999.99998984 +ellps=GRS80 +to_meter=0.3048006096012192 +no_defs`

EPSG 3432, NAD83(HARN) / New Jersey (ft US)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2824. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=tmerc +lat_0=38.83333333333334 +lon_0=-74.5 +k=0.9999 +x_0=150000 +y_0=0 +ellps=GRS80 +to_meter=0.3048006096012192 +no_defs`

EPSG 3433, NAD83 / Arkansas North (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 26951. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey

Revision: 20.01.2007

Proj4 definition: `+proj=lcc +lat_1=36.23333333333333 +lat_2=34.93333333333333 +lat_0=34.33333333333334 +lon_0=-92 +x_0=399999.99998984 +y_0=0 +ellps=GRS80 +datum=NAD83 +to_meter=0.3048006096012192 +no_defs`

EPSG 3434, NAD83 / Arkansas South (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see

code 26952. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey

Revision: 20.01.2007

Proj4 definition:
```
+proj=lcc +lat_1=34.76666666666667 +lat_2=33.3
+lat_0=32.66666666666666 +lon_0=-92 +x_0=399999.99998984
+y_0=399999.99998984 +ellps=GRS80 +datum=NAD83
+to_meter=0.3048006096012192 +no_defs
```

EPSG 3435, NAD83 / Illinois East (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 26971. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey

Revision: 20.12.2006

Proj4 definition:
```
+proj=tmerc +lat_0=36.66666666666666 +lon_0=-88.33333333333333
+k=0.9999749999999999 +x_0=300000.0000000001 +y_0=0 +ellps=GRS80
+datum=NAD83 +to_meter=0.3048006096012192 +no_defs
```

EPSG 3436, NAD83 / Illinois West (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 26972. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey

Revision: 20.12.2006

Proj4 definition:
```
+proj=tmerc +lat_0=36.66666666666666 +lon_0=-90.16666666666667
+k=0.999941177 +x_0=699999.9999898402 +y_0=0 +ellps=GRS80
+datum=NAD83 +to_meter=0.3048006096012192 +no_defs
```

EPSG 3437, NAD83 / New Hampshire (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 32110. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey

Revision: 20.12.2006

Proj4 definition:
```
+proj=tmerc +lat_0=42.5 +lon_0=-71.66666666666667 +k=0.999966667
+x_0=300000.0000000001 +y_0=0 +ellps=GRS80 +datum=NAD83
+to_meter=0.3048006096012192 +no_defs
```

EPSG 3438, NAD83 / Rhode Island (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 32130. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey

Revision: 20.12.2006

Proj4
```
+proj=tmerc +lat_0=41.08333333333334 +lon_0=-71.5 +k=0.99999375
```

definition: `+x_0=99999.99998983997 +y_0=0 +ellps=GRS80 +datum=NAD83 +to_meter=0.3048006096012192 +no_defs`

EPSG 3439, PSD93 / UTM zone 39N

Scope: Oil exploration and production.

Remarks: Replaced Fahud / UTM zone 39N projCRS (code 23239) in 1993. Maximum differences to Fahud adjustment are 20 metres.

Source: Petroleum Development Oman

Revision: 07.04.2004

Proj4 definition: `+proj=utm +zone=39 +ellps=clrk80 +units=m +no_defs`

EPSG 3440, PSD93 / UTM zone 40N

Scope: Oil exploration and production.

Remarks: Replaced Fahud / UTM zone 40N projCRS (code 23240) in 1993. Maximum differences to Fahud adjustment are 20 metres.

Source: Petroleum Development Oman

Revision: 07.04.2004

Proj4 definition: `+proj=utm +zone=40 +ellps=clrk80 +units=m +no_defs`

EPSG 3441, NAD83(HARN) / Arkansas North (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2764. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=lcc +lat_1=36.23333333333333 +lat_2=34.93333333333333 +lat_0=34.33333333333334 +lon_0=-92 +x_0=399999.99998984 +y_0=0 +ellps=GRS80 +to_meter=0.3048006096012192 +no_defs`

EPSG 3442, NAD83(HARN) / Arkansas South (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2765. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=lcc +lat_1=34.76666666666667 +lat_2=33.3 +lat_0=32.66666666666666 +lon_0=-92 +x_0=399999.99998984 +y_0=399999.99998984 +ellps=GRS80 +to_meter=0.3048006096012192 +no_defs`

EPSG 3443, NAD83(HARN) / Illinois East (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2790. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=tmerc +lat_0=36.66666666666666 +lon_0=-88.33333333333333
+k=0.9999749999999999 +x_0=300000.0000000001 +y_0=0 +ellps=GRS80
+to_meter=0.3048006096012192 +no_defs
```

EPSG 3444, NAD83(HARN) / Illinois West (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2791. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 24.06.2008

Proj4 definition:
```
+proj=tmerc +lat_0=36.66666666666666 +lon_0=-90.16666666666667
+k=0.999941177 +x_0=699999.9999898402 +y_0=0 +ellps=GRS80
+to_meter=0.3048006096012192 +no_defs
```

EPSG 3445, NAD83(HARN) / New Hampshire (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2823. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=tmerc +lat_0=42.5 +lon_0=-71.66666666666667 +k=0.999966667
+x_0=300000.0000000001 +y_0=0 +ellps=GRS80
+to_meter=0.3048006096012192 +no_defs
```

EPSG 3446, NAD83(HARN) / Rhode Island (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2840. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=tmerc +lat_0=41.08333333333334 +lon_0=-71.5 +k=0.99999375
+x_0=99999.99998983997 +y_0=0 +ellps=GRS80
+to_meter=0.3048006096012192 +no_defs
```

EPSG 3447, ETRS89 / Belgian Lambert 2005

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Coordinates referenced to ETRS89 / Lambert 2005 differ from coordinates referenced to BD72 / Lambert 1972 (CRS code 31370) by approximately 1km in easting and northing. Replaced in 2008 by ETRS89 / Lambert 2008 (CRS code 3812).

Source: IGN Brussels; www.ngi.be/

Revision: 05.08.2008

Proj4 definition:
```
+proj=lcc +lat_1=49.83333333333334 +lat_2=51.16666666666666
+lat_0=50.797815 +lon_0=4.359215833333333 +x_0=150328 +y_0=166262
+ellps=GRS80 +units=m +no_defs
```

EPSG 3448, JAD2001 / Jamaica Metric Grid

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks: Replaces JAD69 / Jamaica National Grid (CRS code 24200).

Source: National Land Agency.

Revision: 19.01.2007

Proj4 definition:
```
+proj=lcc +lat_1=18 +lat_0=18 +lon_0=-77 +k_0=1 +x_0=750000
+y_0=650000 +ellps=WGS84 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3449, JAD2001 / UTM zone 17N

Scope: Hydrographic and aeronautical charting.

Remarks: See JAD2001 / Jamaica Metric Grid (CRS code 3448) for land applications.

Source: National Land Agency.

Revision: 19.01.2007

Proj4 definition:
```
+proj=utm +zone=17 +ellps=WGS84 +towgs84=0,0,0,0,0,0,0 +units=m
+no_defs
```

EPSG 3450, JAD2001 / UTM zone 18N

Scope: Hydrographic and aeronautical charting.

Remarks: See JAD2001 / Jamaica Metric Grid (CRS code 3448) for land applications.

Source: National Land Agency.

Revision: 19.01.2007

Proj4 definition:
```
+proj=utm +zone=18 +ellps=WGS84 +towgs84=0,0,0,0,0,0,0 +units=m
+no_defs
```

EPSG 3451, NAD83 / Louisiana North (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 26981. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey

Revision: 19.01.2007

Proj4 definition:
```
+proj=lcc +lat_1=32.66666666666666 +lat_2=31.16666666666667
+lat_0=30.5 +lon_0=-92.5 +x_0=999999.9999898402 +y_0=0 +ellps=GRS80
+datum=NAD83 +to_meter=0.3048006096012192 +no_defs
```

EPSG 3452, NAD83 / Louisiana South (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 26982. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey

Revision: 19.01.2007

Proj4 definition:
```
+proj=lcc +lat_1=30.7 +lat_2=29.3 +lat_0=28.5 +lon_0=-
91.33333333333333 +x_0=999999.9999898402 +y_0=0 +ellps=GRS80
+datum=NAD83 +to_meter=0.3048006096012192 +no_defs
```

EPSG 3453, NAD83 / Louisiana Offshore (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: This system is NOT used for oil industry purposes. State law defines system in US survey feet. Federal definition is metric - see code 32199.

Source: National Geodetic Survey

Revision: 19.01.2007

Proj4 definition:
```
+proj=lcc +lat_1=27.83333333333333 +lat_2=26.16666666666667
+lat_0=25.5 +lon_0=-91.33333333333333 +x_0=999999.9999898402 +y_0=0
+ellps=GRS80 +datum=NAD83 +to_meter=0.3048006096012192 +no_defs
```

EPSG 3455, NAD83 / South Dakota South (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 32135. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey

Revision: 19.01.2007

Proj4 definition:
```
+proj=lcc +lat_1=44.4 +lat_2=42.83333333333334
+lat_0=42.33333333333334 +lon_0=-100.3333333333333 +x_0=600000
+y_0=0 +ellps=GRS80 +datum=NAD83 +to_meter=0.3048006096012192
+no_defs
```

EPSG 3456, NAD83(HARN) / Louisiana North (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2800. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=32.66666666666666 +lat_2=31.16666666666667
+lat_0=30.5 +lon_0=-92.5 +x_0=999999.9999898402 +y_0=0 +ellps=GRS80
+to_meter=0.3048006096012192 +no_defs
```

EPSG 3457, NAD83(HARN) / Louisiana South (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Not applicable to offshore areas. State law defines system in US survey feet. Federal definition is metric - see code 2801. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=30.7 +lat_2=29.3 +lat_0=28.5 +lon_0=-
91.33333333333333 +x_0=999999.9999898402 +y_0=0 +ellps=GRS80
+to_meter=0.3048006096012192 +no_defs
```

EPSG 3458, NAD83(HARN) / South Dakota North (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2841. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=lcc +lat_1=45.68333333333333 +lat_2=44.41666666666666 +lat_0=43.83333333333334 +lon_0=-100 +x_0=600000 +y_0=0 +ellps=GRS80 +to_meter=0.3048006096012192 +no_defs`

EPSG 3459, NAD83(HARN) / South Dakota South (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2842. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: National Geodetic Survey

Revision: 20.04.2007

Proj4 definition: `+proj=lcc +lat_1=44.4 +lat_2=42.83333333333334 +lat_0=42.33333333333334 +lon_0=-100.3333333333333 +x_0=600000 +y_0=0 +ellps=GRS80 +to_meter=0.3048006096012192 +no_defs`

EPSG 3460, Fiji 1986 / Fiji Map Grid

Scope: Topographic mapping, cadastral and engineering survey.

Remarks: Replaces Viti Levu 1912 / Viti Levu Grid, Vanua Levu 1915 / Vanua Levu Grid, Fiji 1956 / UTM zone 60S and Fiji 1956 / UTM zone 1S (CRS codes 3139-42).

Source: Department of Lands and Survey, Fiji.

Revision: 06.02.2007

Proj4 definition: `+proj=tmerc +lat_0=-17 +lon_0=178.75 +k=0.99985 +x_0=2000000 +y_0=4000000 +ellps=WGS72 +units=m +no_defs`

EPSG 3461, Dabola 1981 / UTM zone 28N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces Conakry 1905 / UTM zone 28 (EPSG code 31528).

Source:

Revision: 06.02.2007

Proj4 definition: `+proj=utm +zone=28 +a=6378249.2 +b=6356515 +towgs84=-83,37,124,0,0,0,0 +units=m +no_defs`

EPSG 3462, Dabola 1981 / UTM zone 29N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces Conakry 1905 / UTM zone 29 (EPSG code 31529).

Source:

Revision: 06.02.2007

Proj4 definition: `+proj=utm +zone=29 +a=6378249.2 +b=6356515 +towgs84=-83,37,124,0,0,0,0 +units=m +no_defs`

EPSG 3463, NAD83 / Maine CS2000 Central

Scope: Large and medium scale topographic mapping and engineering survey from 2001-01 by Maine Department of Transportation and other State agencies.

Remarks: In Maine Department of Transportation and other State agencies replaces CS27 and SPCS83 from 1/1/2001. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / CS2000.

Source: State of Maine statutes,

http://janus.state.me.us/legis/statutes/33/title33sec801.html

Revision: 08.02.2008

Proj4 definition: `+proj=tmerc +lat_0=43.5 +lon_0=-69.125 +k=0.99998 +x_0=500000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 3464, NAD83(HARN) / Maine CS2000 Central

Scope: Large and medium scale topographic mapping and engineering survey from 2001-01 by Maine Department of Transportation and other State agencies.

Remarks: Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

Source: State of Maine statutes, http://janus.state.me.us/legis/statutes/33/title33sec801.html

Revision: 08.02.2008

Proj4 definition: `+proj=tmerc +lat_0=43.5 +lon_0=-69.125 +k=0.99998 +x_0=500000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 3465, NAD83(NSRS2007) / Alabama East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=tmerc +lat_0=30.5 +lon_0=-85.83333333333333 +k=0.99996 +x_0=200000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3466, NAD83(NSRS2007) / Alabama West

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=tmerc +lat_0=30 +lon_0=-87.5 +k=0.999933333 +x_0=600000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3467, NAD83(NSRS2007) / Alaska Albers

Scope: Small scale mapping and state planning.

Remarks: Replaces NAD83 / Alaska Albers for applications with an accuracy of better than 1m.

Source: State of Alaska Department of Natural Resources

Revision: 13.03.2007

Proj4 definition: `+proj=aea +lat_1=55 +lat_2=65 +lat_0=50 +lon_0=-154 +x_0=0 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3468, NAD83(NSRS2007) / Alaska zone 1

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD83 / SPCS for applications with an accuracy of better than 1m.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=omerc +lat_0=57 +lonc=-133.6666666666667
+alpha=323.1301023611111 +k=0.9999 +x_0=5000000 +y_0=-5000000
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3469, NAD83(NSRS2007) / Alaska zone 2

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD83 / SPCS for applications with an accuracy of better than 1m.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=tmerc +lat_0=54 +lon_0=-142 +k=0.9999 +x_0=500000 +y_0=0
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3470, NAD83(NSRS2007) / Alaska zone 3

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD83 / SPCS for applications with an accuracy of better than 1m.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=tmerc +lat_0=54 +lon_0=-146 +k=0.9999 +x_0=500000 +y_0=0
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3471, NAD83(NSRS2007) / Alaska zone 4

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD83 / SPCS for applications with an accuracy of better than 1m.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=tmerc +lat_0=54 +lon_0=-150 +k=0.9999 +x_0=500000 +y_0=0
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3472, NAD83(NSRS2007) / Alaska zone 5

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD83 / SPCS for applications with an accuracy of better than 1m.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=tmerc +lat_0=54 +lon_0=-154 +k=0.9999 +x_0=500000 +y_0=0
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3473, NAD83(NSRS2007) / Alaska zone 6

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD83 / SPCS for applications with an accuracy of better than 1m.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4
```
+proj=tmerc +lat_0=54 +lon_0=-158 +k=0.9999 +x_0=500000 +y_0=0
```

definition: +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs

EPSG 3474, NAD83(NSRS2007) / Alaska zone 7

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD83 / SPCS for applications with an accuracy of better than 1m.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: +proj=tmerc +lat_0=54 +lon_0=-162 +k=0.9999 +x_0=500000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs

EPSG 3475, NAD83(NSRS2007) / Alaska zone 8

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD83 / SPCS for applications with an accuracy of better than 1m.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: +proj=tmerc +lat_0=54 +lon_0=-166 +k=0.9999 +x_0=500000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs

EPSG 3476, NAD83(NSRS2007) / Alaska zone 9

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD83 / SPCS for applications with an accuracy of better than 1m.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: +proj=tmerc +lat_0=54 +lon_0=-170 +k=0.9999 +x_0=500000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs

EPSG 3477, NAD83(NSRS2007) / Alaska zone 10

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD83 / SPCS for applications with an accuracy of better than 1m.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: +proj=lcc +lat_1=53.83333333333334 +lat_2=51.83333333333334 +lat_0=51 +lon_0=-176 +x_0=1000000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs

EPSG 3478, NAD83(NSRS2007) / Arizona Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of International feet (note: not US survey feet). See code 3479 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: +proj=tmerc +lat_0=31 +lon_0=-111.9166666666667 +k=0.9999 +x_0=213360 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m

+no_defs

EPSG 3479, NAD83(NSRS2007) / Arizona Central (ft)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of International feet (note: not US survey feet). Federal definition is metric - see code 3478. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=tmerc +lat_0=31 +lon_0=-111.9166666666667 +k=0.9999
+x_0=213360 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0
+to_meter=0.3048 +no_defs
```

EPSG 3480, NAD83(NSRS2007) / Arizona East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of International feet (note: not US survey feet). See code 3481 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=tmerc +lat_0=31 +lon_0=-110.1666666666667 +k=0.9999
+x_0=213360 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m
+no_defs
```

EPSG 3481, NAD83(NSRS2007) / Arizona East (ft)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of International feet (note: not US survey feet). Federal definition is metric - see code 3480. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=tmerc +lat_0=31 +lon_0=-110.1666666666667 +k=0.9999
+x_0=213360 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0
+to_meter=0.3048 +no_defs
```

EPSG 3482, NAD83(NSRS2007) / Arizona West

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of International feet (note: not US survey feet). See code 3483 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=tmerc +lat_0=31 +lon_0=-113.75 +k=0.999933333 +x_0=213360
+y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3483, NAD83(NSRS2007) / Arizona West (ft)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of International feet (note: not US survey feet). Federal definition is metric - see code 3482. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=tmerc +lat_0=31 +lon_0=-113.75 +k=0.999933333 +x_0=213360
+y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +to_meter=0.3048
+no_defs
```

EPSG 3484, NAD83(NSRS2007) / Arkansas North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3485 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=36.23333333333333 +lat_2=34.93333333333333
+lat_0=34.33333333333334 +lon_0=-92 +x_0=400000 +y_0=0 +ellps=GRS80
+towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3485, NAD83(NSRS2007) / Arkansas North (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3484. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=36.23333333333333 +lat_2=34.93333333333333
+lat_0=34.33333333333334 +lon_0=-92 +x_0=399999.99998984 +y_0=0
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192
+no_defs
```

EPSG 3486, NAD83(NSRS2007) / Arkansas South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3487 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=34.76666666666667 +lat_2=33.3
+lat_0=32.66666666666666 +lon_0=-92 +x_0=400000 +y_0=400000
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3487, NAD83(NSRS2007) / Arkansas South (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3486. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=34.76666666666667 +lat_2=33.3
+lat_0=32.66666666666666 +lon_0=-92 +x_0=399999.99998984
+y_0=399999.99998984 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0
+to_meter=0.3048006096012192 +no_defs
```

EPSG 3488, NAD83(NSRS2007) / California Albers

Scope: Natural Resources mapping of whole State.

Remarks: Replaces NAD83(HARN) / California Albers.

Source: California Spatial Information Library (CaSIL), http://gis.ca.gov

Revision: 29.05.2007

Proj4 definition:
```
+proj=aea +lat_1=34 +lat_2=40.5 +lat_0=0 +lon_0=-120 +x_0=0 +y_0=-
4000000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3489, NAD83(NSRS2007) / California zone 1

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3490 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=41.66666666666666 +lat_2=40
+lat_0=39.33333333333334 +lon_0=-122 +x_0=2000000 +y_0=500000
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3490, NAD83(NSRS2007) / California zone 1 (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3489. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=41.66666666666666 +lat_2=40
+lat_0=39.33333333333334 +lon_0=-122 +x_0=2000000.0001016
+y_0=500000.0001016001 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0
+to_meter=0.3048006096012192 +no_defs
```

EPSG 3491, NAD83(NSRS2007) / California zone 2

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3492 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=39.83333333333334 +lat_2=38.33333333333334
+lat_0=37.66666666666666 +lon_0=-122 +x_0=2000000 +y_0=500000
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3492, NAD83(NSRS2007) / California zone 2 (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3491. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=39.83333333333334 +lat_2=38.33333333333334
+lat_0=37.66666666666666 +lon_0=-122 +x_0=2000000.0001016
+y_0=500000.0001016001 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0
+to_meter=0.3048006096012192 +no_defs
```

EPSG 3493, NAD83(NSRS2007) / California zone 3

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3494 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=38.43333333333333 +lat_2=37.06666666666667
+lat_0=36.5 +lon_0=-120.5 +x_0=2000000 +y_0=500000 +ellps=GRS80
+towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3494, NAD83(NSRS2007) / California zone 3 (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3493. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=38.43333333333333 +lat_2=37.06666666666667
+lat_0=36.5 +lon_0=-120.5 +x_0=2000000.0001016
+y_0=500000.0001016001 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0
+to_meter=0.3048006096012192 +no_defs
```

EPSG 3495, NAD83(NSRS2007) / California zone 4

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3496 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=37.25 +lat_2=36 +lat_0=35.33333333333334 +lon_0=-
119 +x_0=2000000 +y_0=500000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0
+units=m +no_defs
```

EPSG 3496, NAD83(NSRS2007) / California zone 4 (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3495. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=37.25 +lat_2=36 +lat_0=35.33333333333334 +lon_0=-
119 +x_0=2000000.0001016 +y_0=500000.0001016001 +ellps=GRS80
+towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192 +no_defs
```

EPSG 3497, NAD83(NSRS2007) / California zone 5

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3498 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=35.46666666666667 +lat_2=34.03333333333333
+lat_0=33.5 +lon_0=-118 +x_0=2000000 +y_0=500000 +ellps=GRS80
+towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3498, NAD83(NSRS2007) / California zone 5 (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3497. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=35.46666666666667 +lat_2=34.03333333333333
+lat_0=33.5 +lon_0=-118 +x_0=2000000.0001016 +y_0=500000.0001016001
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192
+no_defs
```

EPSG 3499, NAD83(NSRS2007) / California zone 6

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3500 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=33.88333333333333 +lat_2=32.78333333333333
+lat_0=32.16666666666666 +lon_0=-116.25 +x_0=2000000 +y_0=500000
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3500, NAD83(NSRS2007) / California zone 6 (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3499. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=33.88333333333333 +lat_2=32.78333333333333
+lat_0=32.16666666666666 +lon_0=-116.25 +x_0=2000000.0001016
+y_0=500000.0001016001 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0
+to_meter=0.3048006096012192 +no_defs
```

EPSG 3501, NAD83(NSRS2007) / Colorado Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3502 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=39.75 +lat_2=38.45 +lat_0=37.83333333333334
+lon_0=-105.5 +x_0=914401.8289 +y_0=304800.6096 +ellps=GRS80
+towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3502, NAD83(NSRS2007) / Colorado Central (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3501. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=39.75 +lat_2=38.45 +lat_0=37.83333333333334
+lon_0=-105.5 +x_0=914401.8288036576 +y_0=304800.6096012192
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192
+no_defs
```

EPSG 3503, NAD83(NSRS2007) / Colorado North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3504 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=40.78333333333333 +lat_2=39.71666666666667
+lat_0=39.33333333333334 +lon_0=-105.5 +x_0=914401.8289
+y_0=304800.6096 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m
+no_defs
```

EPSG 3504, NAD83(NSRS2007) / Colorado North (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3503. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=40.78333333333333 +lat_2=39.71666666666667
+lat_0=39.33333333333334 +lon_0=-105.5 +x_0=914401.8288036576
+y_0=304800.6096012192 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0
+to_meter=0.3048006096012192 +no_defs
```

EPSG 3505, NAD83(NSRS2007) / Colorado South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3506 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=38.43333333333333 +lat_2=37.23333333333333
+lat_0=36.66666666666666 +lon_0=-105.5 +x_0=914401.8289
+y_0=304800.6096 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m
+no_defs
```

EPSG 3506, NAD83(NSRS2007) / Colorado South (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3505. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=38.43333333333333 +lat_2=37.23333333333333
+lat_0=36.66666666666666 +lon_0=-105.5 +x_0=914401.8288036576
+y_0=304800.6096012192 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0
+to_meter=0.3048006096012192 +no_defs
```

EPSG 3507, NAD83(NSRS2007) / Connecticut

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3508 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=lcc +lat_1=41.86666666666667 +lat_2=41.2 +lat_0=40.83333333333334 +lon_0=-72.75 +x_0=304800.6096 +y_0=152400.3048 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3508, NAD83(NSRS2007) / Connecticut (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3507. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=lcc +lat_1=41.86666666666667 +lat_2=41.2 +lat_0=40.83333333333334 +lon_0=-72.75 +x_0=304800.6096012192 +y_0=152400.3048006096 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192 +no_defs`

EPSG 3509, NAD83(NSRS2007) / Delaware

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3510 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=tmerc +lat_0=38 +lon_0=-75.41666666666667 +k=0.999995 +x_0=200000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3510, NAD83(NSRS2007) / Delaware (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3509. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=tmerc +lat_0=38 +lon_0=-75.41666666666667 +k=0.999995 +x_0=200000.0001016002 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192 +no_defs`

EPSG 3511, NAD83(NSRS2007) / Florida East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3512 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=tmerc +lat_0=24.33333333333333 +lon_0=-81 +k=0.999941177 +x_0=200000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3512, NAD83(NSRS2007) / Florida East (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3511. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=tmerc +lat_0=24.33333333333333 +lon_0=-81 +k=0.999941177 +x_0=200000.0001016002 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192 +no_defs`

EPSG 3513, NAD83(NSRS2007) / Florida GDL Albers

Scope: Used for spatial data presentation for whole state.

Remarks: Replaces NAD83(HARN) / Florida GDL Albers.

Source: Florida Geographic Data Library, http://www.fgdl.org/fgdldocs/index.htm#proj

Revision: 13.03.2007

Proj4 definition: `+proj=aea +lat_1=24 +lat_2=31.5 +lat_0=24 +lon_0=-84 +x_0=400000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3514, NAD83(NSRS2007) / Florida North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3515 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=lcc +lat_1=30.75 +lat_2=29.58333333333333 +lat_0=29 +lon_0=-84.5 +x_0=600000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3515, NAD83(NSRS2007) / Florida North (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3514. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=lcc +lat_1=30.75 +lat_2=29.58333333333333 +lat_0=29 +lon_0=-84.5 +x_0=600000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192 +no_defs`

EPSG 3516, NAD83(NSRS2007) / Florida West

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3517 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=tmerc +lat_0=24.33333333333333 +lon_0=-82 +k=0.999941177 +x_0=200000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3517, NAD83(NSRS2007) / Florida West (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3516. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=tmerc +lat_0=24.33333333333333 +lon_0=-82 +k=0.999941177 +x_0=200000.0001016002 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192 +no_defs`

EPSG 3518, NAD83(NSRS2007) / Georgia East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3519 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 29.05.2007

Proj4 definition: `+proj=tmerc +lat_0=30 +lon_0=-82.16666666666667 +k=0.9999 +x_0=200000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3519, NAD83(NSRS2007) / Georgia East (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3518. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=tmerc +lat_0=30 +lon_0=-82.16666666666667 +k=0.9999 +x_0=200000.0001016002 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192 +no_defs`

EPSG 3520, NAD83(NSRS2007) / Georgia West

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3521 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=tmerc +lat_0=30 +lon_0=-84.16666666666667 +k=0.9999 +x_0=700000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3521, NAD83(NSRS2007) / Georgia West (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3520. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=tmerc +lat_0=30 +lon_0=-84.16666666666667 +k=0.9999 +x_0=699999.9998983998 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192 +no_defs`

EPSG 3522, NAD83(NSRS2007) / Idaho Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3523 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=tmerc +lat_0=41.66666666666666 +lon_0=-114
+k=0.9999473679999999 +x_0=500000 +y_0=0 +ellps=GRS80
+towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3523, NAD83(NSRS2007) / Idaho Central (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3522. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=tmerc +lat_0=41.66666666666666 +lon_0=-114
+k=0.9999473679999999 +x_0=500000.0001016001 +y_0=0 +ellps=GRS80
+towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192 +no_defs
```

EPSG 3524, NAD83(NSRS2007) / Idaho East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3525 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=tmerc +lat_0=41.66666666666666 +lon_0=-112.1666666666667
+k=0.9999473679999999 +x_0=200000 +y_0=0 +ellps=GRS80
+towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3525, NAD83(NSRS2007) / Idaho East (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3524. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=tmerc +lat_0=41.66666666666666 +lon_0=-112.1666666666667
+k=0.9999473679999999 +x_0=200000.0001016002 +y_0=0 +ellps=GRS80
+towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192 +no_defs
```

EPSG 3526, NAD83(NSRS2007) / Idaho West

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3527 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=tmerc +lat_0=41.66666666666666 +lon_0=-115.75 +k=0.999933333
+x_0=800000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m
+no_defs
```

EPSG 3527, NAD83(NSRS2007) / Idaho West (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3526. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=tmerc +lat_0=41.66666666666666 +lon_0=-115.75 +k=0.999933333 +x_0=800000.0001016001 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192 +no_defs`

EPSG 3528, NAD83(NSRS2007) / Illinois East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3529 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=tmerc +lat_0=36.66666666666666 +lon_0=-88.33333333333333 +k=0.9999749999999999 +x_0=300000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3529, NAD83(NSRS2007) / Illinois East (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3528. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=tmerc +lat_0=36.66666666666666 +lon_0=-88.33333333333333 +k=0.9999749999999999 +x_0=300000.0000000001 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192 +no_defs`

EPSG 3530, NAD83(NSRS2007) / Illinois West

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3531 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=tmerc +lat_0=36.66666666666666 +lon_0=-90.16666666666667 +k=0.999941177 +x_0=700000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3531, NAD83(NSRS2007) / Illinois West (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3530. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=tmerc +lat_0=36.66666666666666 +lon_0=-90.16666666666667 +k=0.999941177 +x_0=699999.9999898402 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192 +no_defs`

EPSG 3532, NAD83(NSRS2007) / Indiana East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3533 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=tmerc +lat_0=37.5 +lon_0=-85.66666666666667 +k=0.999966667 +x_0=100000 +y_0=250000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3533, NAD83(NSRS2007) / Indiana East (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3532. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=tmerc +lat_0=37.5 +lon_0=-85.66666666666667 +k=0.999966667 +x_0=99999.99989839978 +y_0=249999.9998983998 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192 +no_defs`

EPSG 3534, NAD83(NSRS2007) / Indiana West

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3535 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=tmerc +lat_0=37.5 +lon_0=-87.08333333333333 +k=0.999966667 +x_0=900000 +y_0=250000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3535, NAD83(NSRS2007) / Indiana West (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3534. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=tmerc +lat_0=37.5 +lon_0=-87.08333333333333 +k=0.999966667 +x_0=900000 +y_0=249999.9998983998 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192 +no_defs`

EPSG 3536, NAD83(NSRS2007) / Iowa North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3537 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=lcc +lat_1=43.26666666666667 +lat_2=42.06666666666667 +lat_0=41.5 +lon_0=-93.5 +x_0=1500000 +y_0=1000000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3537, NAD83(NSRS2007) / Iowa North (ft US)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3536. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=43.26666666666667 +lat_2=42.06666666666667
+lat_0=41.5 +lon_0=-93.5 +x_0=1500000 +y_0=999999.9999898402
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192
+no_defs
```

EPSG 3538, NAD83(NSRS2007) / Iowa South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3539 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=41.78333333333333 +lat_2=40.61666666666667
+lat_0=40 +lon_0=-93.5 +x_0=500000 +y_0=0 +ellps=GRS80
+towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3539, NAD83(NSRS2007) / Iowa South (ft US)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3538. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=41.78333333333333 +lat_2=40.61666666666667
+lat_0=40 +lon_0=-93.5 +x_0=500000.00001016 +y_0=0 +ellps=GRS80
+towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192 +no_defs
```

EPSG 3540, NAD83(NSRS2007) / Kansas North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3541 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=39.78333333333333 +lat_2=38.71666666666667
+lat_0=38.33333333333334 +lon_0=-98 +x_0=400000 +y_0=0 +ellps=GRS80
+towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3541, NAD83(NSRS2007) / Kansas North (ft US)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3540. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=39.78333333333333 +lat_2=38.71666666666667
+lat_0=38.33333333333334 +lon_0=-98 +x_0=399999.99998984 +y_0=0
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192
+no_defs
```

EPSG 3542, NAD83(NSRS2007) / Kansas South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3543 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=38.56666666666667 +lat_2=37.26666666666667
+lat_0=36.66666666666666 +lon_0=-98.5 +x_0=400000 +y_0=400000
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3543, NAD83(NSRS2007) / Kansas South (ft US)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3542. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=38.56666666666667 +lat_2=37.26666666666667
+lat_0=36.66666666666666 +lon_0=-98.5 +x_0=399999.99998984
+y_0=399999.99998984 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0
+to_meter=0.3048006096012192 +no_defs
```

EPSG 3544, NAD83(NSRS2007) / Kentucky North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3545 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=37.96666666666667 +lat_2=38.96666666666667
+lat_0=37.5 +lon_0=-84.25 +x_0=500000 +y_0=0 +ellps=GRS80
+towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3545, NAD83(NSRS2007) / Kentucky North (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3544. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=37.96666666666667 +lat_2=38.96666666666667
+lat_0=37.5 +lon_0=-84.25 +x_0=500000.0001016001 +y_0=0
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192
+no_defs
```

EPSG 3546, NAD83(NSRS2007) / Kentucky Single Zone

Scope: Used for spatial data presentation for whole state.

Remarks: State law defines use of US survey feet. See code 3547 for equivalent non-metric definition. Replaces NAD83(HARN) / Kentucky Single Zone.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=37.08333333333334 +lat_2=38.66666666666666
+lat_0=36.33333333333334 +lon_0=-85.75 +x_0=1500000 +y_0=1000000
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3547, NAD83(NSRS2007) / Kentucky Single Zone (ftUS)

Scope: Used for spatial data presentation for whole state.

Remarks: State law defines use of US survey feet. See code 3546 for equivalent metric definition. Replaces NAD83(HARN) / Kentucky Single Zone (ftUS).

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 29.05.2007

Proj4 definition:
```
+proj=lcc +lat_1=37.08333333333334 +lat_2=38.66666666666666
+lat_0=36.33333333333334 +lon_0=-85.75 +x_0=1500000
+y_0=999999.9998983998 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0
+to_meter=0.3048006096012192 +no_defs
```

EPSG 3548, NAD83(NSRS2007) / Kentucky South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3549 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=37.93333333333333 +lat_2=36.73333333333333
+lat_0=36.33333333333334 +lon_0=-85.75 +x_0=500000 +y_0=500000
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3549, NAD83(NSRS2007) / Kentucky South (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3548. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=37.93333333333333 +lat_2=36.73333333333333
+lat_0=36.33333333333334 +lon_0=-85.75 +x_0=500000.0001016001
+y_0=500000.0001016001 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0
+to_meter=0.3048006096012192 +no_defs
```

EPSG 3550, NAD83(NSRS2007) / Louisiana North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3551 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=32.66666666666666 +lat_2=31.16666666666667
+lat_0=30.5 +lon_0=-92.5 +x_0=1000000 +y_0=0 +ellps=GRS80
+towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3551, NAD83(NSRS2007) / Louisiana North (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3550. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=32.66666666666666 +lat_2=31.16666666666667
+lat_0=30.5 +lon_0=-92.5 +x_0=999999.9999898402 +y_0=0 +ellps=GRS80
+towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192 +no_defs
```

EPSG 3552, NAD83(NSRS2007) / Louisiana South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Not applicable to offshore areas. State law defines use of US survey feet. See code 3553 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=30.7 +lat_2=29.3 +lat_0=28.5 +lon_0=-
91.33333333333333 +x_0=1000000 +y_0=0 +ellps=GRS80
+towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3553, NAD83(NSRS2007) / Louisiana South (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Not applicable to offshore areas. State law defines use of US survey feet. Federal definition is metric - see code 3552. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=30.7 +lat_2=29.3 +lat_0=28.5 +lon_0=-
91.33333333333333 +x_0=999999.9999898402 +y_0=0 +ellps=GRS80
+towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192 +no_defs
```

EPSG 3554, NAD83(NSRS2007) / Maine CS2000 Central

Scope: Large and medium scale topographic mapping and engineering survey from 2001-01 by Maine Department of Transportation and other State agencies.

Remarks: Replaces NAD83(HARN) / CS2000.

Source: State of Maine statutes, http://janus.state.me.us/legis/statutes/33/title33sec801.html

Revision: 08.02.2008

Proj4 definition:
```
+proj=tmerc +lat_0=43.5 +lon_0=-69.125 +k=0.99998 +x_0=500000
+y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3555, NAD83(NSRS2007) / Maine CS2000 East

Scope: Large and medium scale topographic mapping and engineering survey from 2001-01 by Maine Department of Transportation and other State agencies.

Remarks: Replaces NAD83(HARN) / CS2000.

Source: State of Maine statutes, http://janus.state.me.us/legis/statutes/33/title33sec801.html

Revision: 08.02.2008

Proj4 definition:
```
+proj=tmerc +lat_0=43.83333333333334 +lon_0=-67.875 +k=0.99998
+x_0=700000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m
+no_defs
```

EPSG 3556, NAD83(NSRS2007) / Maine CS2000 West

Scope: Large and medium scale topographic mapping and engineering survey from 2001-01 by Maine Department of Transportation and other State agencies.

Remarks: Replaces NAD83(HARN) / CS2000.

Source: State of Maine statutes, http://janus.state.me.us/legis/statutes/33/title33sec801.html

Revision: 08.02.2008

Proj4 definition: `+proj=tmerc +lat_0=42.83333333333334 +lon_0=-70.375 +k=0.99998 +x_0=300000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3557, NAD83(NSRS2007) / Maine East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 26863 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 28.05.2008

Proj4 definition: `+proj=tmerc +lat_0=43.66666666666666 +lon_0=-68.5 +k=0.9999 +x_0=300000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3558, NAD83(NSRS2007) / Maine West

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 26864 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 28.05.2008

Proj4 definition: `+proj=tmerc +lat_0=42.83333333333334 +lon_0=-70.16666666666667 +k=0.999966667 +x_0=900000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3559, NAD83(NSRS2007) / Maryland

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3582 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=lcc +lat_1=39.45 +lat_2=38.3 +lat_0=37.66666666666666 +lon_0=-77 +x_0=400000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3560, NAD83 / Utah North (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defining system in International feet (note: not US survey feet) has been withdrawn. Federal definition is metric - see code 32142. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 20.01.2007

Proj4 definition: `+proj=lcc +lat_1=41.78333333333333 +lat_2=40.71666666666667 +lat_0=40.33333333333334 +lon_0=-111.5 +x_0=500000.00001016 +y_0=999999.9999898402 +ellps=GRS80 +datum=NAD83 +to_meter=0.3048006096012192 +no_defs`

EPSG 3561, Old Hawaiian / Hawaii zone 1

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Sometimes erroneously referred to as NAD27 / Hawaii zone 1.

Source:

Revision: 24.05.1999

Proj4 definition: `+proj=tmerc +lat_0=18.83333333333333 +lon_0=-155.5 +k=0.999966667 +x_0=152400.3048006096 +y_0=0 +ellps=clrk66 +to_meter=0.3048006096012192 +no_defs`

EPSG 3562, Old Hawaiian / Hawaii zone 2

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Sometimes erroneously referred to as NAD27 / Hawaii zone 2.

Source:

Revision: 24.05.1999

Proj4 definition: `+proj=tmerc +lat_0=20.33333333333333 +lon_0=-156.6666666666667 +k=0.999966667 +x_0=152400.3048006096 +y_0=0 +ellps=clrk66 +to_meter=0.3048006096012192 +no_defs`

EPSG 3563, Old Hawaiian / Hawaii zone 3

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Sometimes erroneously referred to as NAD27 / Hawaii zone 3.

Source:

Revision: 24.05.1999

Proj4 definition: `+proj=tmerc +lat_0=21.16666666666667 +lon_0=-158 +k=0.99999 +x_0=152400.3048006096 +y_0=0 +ellps=clrk66 +to_meter=0.3048006096012192 +no_defs`

EPSG 3564, Old Hawaiian / Hawaii zone 4

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Sometimes erroneously referred to as NAD27 / Hawaii zone 4.

Source:

Revision: 24.05.1999

Proj4 definition: `+proj=tmerc +lat_0=21.83333333333333 +lon_0=-159.5 +k=0.99999 +x_0=152400.3048006096 +y_0=0 +ellps=clrk66 +to_meter=0.3048006096012192 +no_defs`

EPSG 3565, Old Hawaiian / Hawaii zone 5

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Sometimes erroneously referred to as NAD27 / Hawaii zone 5.

Source:

Revision: 24.05.1999

Proj4 definition: `+proj=tmerc +lat_0=21.66666666666667 +lon_0=-160.1666666666667 +k=1 +x_0=152400.3048006096 +y_0=0 +ellps=clrk66 +to_meter=0.3048006096012192 +no_defs`

EPSG 3566, NAD83 / Utah Central (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defining system in International feet (note: not US survey feet) has been withdrawn. Federal definition is metric - see code 32143. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 20.01.2007

Proj4 definition:
```
+proj=lcc +lat_1=40.65 +lat_2=39.01666666666667
+lat_0=38.33333333333334 +lon_0=-111.5 +x_0=500000.00001016
+y_0=2000000.00001016 +ellps=GRS80 +datum=NAD83
+to_meter=0.3048006096012192 +no_defs
```

EPSG 3567, NAD83 / Utah South (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defining system in International feet (note: not US survey feet) has been withdrawn. Federal definition is metric - see code 32144. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 20.01.2007

Proj4 definition:
```
+proj=lcc +lat_1=38.35 +lat_2=37.21666666666667
+lat_0=36.66666666666666 +lon_0=-111.5 +x_0=500000.00001016
+y_0=3000000 +ellps=GRS80 +datum=NAD83 +to_meter=0.3048006096012192
+no_defs
```

EPSG 3568, NAD83(HARN) / Utah North (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in International feet (note: not US survey feet). Federal definition is metric - see code 2849. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 ft. Replaced by NAD83(NSRS2007) / SPCS.

Source: U.S. National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=41.78333333333333 +lat_2=40.71666666666667
+lat_0=40.33333333333334 +lon_0=-111.5 +x_0=500000.00001016
+y_0=999999.9999898402 +ellps=GRS80 +to_meter=0.3048006096012192
+no_defs
```

EPSG 3569, NAD83(HARN) / Utah Central (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in International feet (note: not US survey feet). Federal definition is metric - see code 2850. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 ft. Replaced by NAD83(NSRS2007) / SPCS.

Source: U.S. National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=40.65 +lat_2=39.01666666666667
+lat_0=38.33333333333334 +lon_0=-111.5 +x_0=500000.00001016
+y_0=2000000.00001016 +ellps=GRS80 +to_meter=0.3048006096012192
+no_defs
```

EPSG 3570, NAD83(HARN) / Utah South (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in International feet (note: not US survey feet). Federal definition is metric - see code 2851. Replaces NAD83 / SPCS for

applications with an accuracy of better than 3 ft. Replaced by NAD83(NSRS2007) / SPCS.

Source: U.S. National Geodetic Survey
http://www.ngs.noaa.gov/INFO/Policy/st_plane.html

Revision: 20.04.2007

Proj4 definition:
```
+proj=lcc +lat_1=38.35 +lat_2=37.21666666666667
+lat_0=36.66666666666666 +lon_0=-111.5 +x_0=500000.00001016
+y_0=3000000 +ellps=GRS80 +to_meter=0.3048006096012192 +no_defs
```

EPSG 3571, WGS 84 / North Pole LAEA Bering Sea

Scope: Arctic research.

Remarks: For studies of Bering Sea area.

Source: Nuna Technologies on behalf of armap.org

Revision: 20.01.2007

Proj4 definition:
```
+proj=laea +lat_0=90 +lon_0=180 +x_0=0 +y_0=0 +ellps=WGS84
+datum=WGS84 +units=m +no_defs
```

EPSG 3572, WGS 84 / North Pole LAEA Alaska

Scope: Arctic research.

Remarks: For studies of Alaskan area.

Source: Nuna Technologies on behalf of armap.org

Revision: 20.01.2007

Proj4 definition:
```
+proj=laea +lat_0=90 +lon_0=-150 +x_0=0 +y_0=0 +ellps=WGS84
+datum=WGS84 +units=m +no_defs
```

EPSG 3573, WGS 84 / North Pole LAEA Canada

Scope: Arctic research.

Remarks: For studies of Canadian Arctic area.

Source: Nuna Technologies on behalf of armap.org

Revision: 20.01.2007

Proj4 definition:
```
+proj=laea +lat_0=90 +lon_0=-100 +x_0=0 +y_0=0 +ellps=WGS84
+datum=WGS84 +units=m +no_defs
```

EPSG 3574, WGS 84 / North Pole LAEA Atlantic

Scope: Arctic research.

Remarks: For studies of North Atlantic and Greenland area.

Source: Nuna Technologies on behalf of armap.org

Revision: 20.01.2007

Proj4 definition:
```
+proj=laea +lat_0=90 +lon_0=-40 +x_0=0 +y_0=0 +ellps=WGS84
+datum=WGS84 +units=m +no_defs
```

EPSG 3575, WGS 84 / North Pole LAEA Europe

Scope: Arctic research.

Remarks: For studies of north European Arctic area.

Source: Nuna Technologies on behalf of armap.org

Revision: 20.01.2007

Proj4
```
+proj=laea +lat_0=90 +lon_0=10 +x_0=0 +y_0=0 +ellps=WGS84
```

definition: `+datum=WGS84 +units=m +no_defs`

EPSG 3576, WGS 84 / North Pole LAEA Russia

Scope: Arctic research.

Remarks: For studies of Russian Arctic area.

Source: Nuna Technologies on behalf of armap.org

Revision: 29.01.2013

Proj4 definition: `+proj=laea +lat_0=90 +lon_0=90 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 3577, GDA94 / Australian Albers

Scope: Australia-wide geoscience and statistical mapping.

Remarks:

Source: Australian Government Department of Agriculture, Fisheries and Forestry, Bureau of Rural Sciences. http://www.daff.gov.au/brs

Revision: 22.01.2007

Proj4 definition: `+proj=aea +lat_1=-18 +lat_2=-36 +lat_0=0 +lon_0=132 +x_0=0 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3578, NAD83 / Yukon Albers

Scope: Spatial data storage and use for whole province in grid coordinates.

Remarks: This CRS name may sometimes be used as an alias for NAD83(CSRS) / Yukon Albers. See CRS code 3579.

Source: Government of Yukon, Geomatics Yukon. http://geomaticsyukon.ca

Revision: 19.02.2007

Proj4 definition: `+proj=aea +lat_1=61.66666666666666 +lat_2=68 +lat_0=59 +lon_0=-132.5 +x_0=500000 +y_0=500000 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 3579, NAD83(CSRS) / Yukon Albers

Scope: Spatial data storage and use for whole province in grid coordinates.

Remarks: This CRS may sometimes be called "NAD83 / Yukon Albers". That is the name of a different system (see CRS code 3578) but at the scales involved the positional difference of under 2 metres may not be significant.

Source: Government of Yukon, Geomatics Yukon. http://geomaticsyukon.ca

Revision: 29.05.2007

Proj4 definition: `+proj=aea +lat_1=61.66666666666666 +lat_2=68 +lat_0=59 +lon_0=-132.5 +x_0=500000 +y_0=500000 +ellps=GRS80 +units=m +no_defs`

EPSG 3580, NAD83 / NWT Lambert

Scope: Spatial data storage and use for whole province in grid coordinates.

Remarks: This CRS name may sometimes be used as an alias for NAD83(CSRS) / NWT Lambert. See CRS code 3581.

Source: Government of Northwest Territories Centre for Geomatics. http://maps.gnwtgeomatics.nt.ca

Revision: 29.05.2007

Proj4 definition: `+proj=lcc +lat_1=62 +lat_2=70 +lat_0=0 +lon_0=-112 +x_0=0 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 3581, NAD83(CSRS) / NWT Lambert

Scope: Spatial data storage and use for whole province in grid coordinates.

Remarks: This CRS may sometimes be called "NAD83 / NWT Lambert". That is the name of a different system (see CRS code 3580) but at the scales involved the positional difference of under 2 metres may not be significant.

Source: Government of Northwest Territories Centre for Geomatics. http://maps.gnwtgeomatics.nt.ca

Revision: 29.05.2007

Proj4 definition:
```
+proj=lcc +lat_1=62 +lat_2=70 +lat_0=0 +lon_0=-112 +x_0=0 +y_0=0
+ellps=GRS80 +units=m +no_defs
```

EPSG 3582, NAD83(NSRS2007) / Maryland (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3559. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=39.45 +lat_2=38.3 +lat_0=37.66666666666666
+lon_0=-77 +x_0=399999.9998983998 +y_0=0 +ellps=GRS80
+towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192 +no_defs
```

EPSG 3583, NAD83(NSRS2007) / Massachusetts Island

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3584 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=41.48333333333333 +lat_2=41.28333333333333
+lat_0=41 +lon_0=-70.5 +x_0=500000 +y_0=0 +ellps=GRS80
+towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3584, NAD83(NSRS2007) / Massachusetts Island (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3583. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=41.48333333333333 +lat_2=41.28333333333333
+lat_0=41 +lon_0=-70.5 +x_0=500000.0001016001 +y_0=0 +ellps=GRS80
+towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192 +no_defs
```

EPSG 3585, NAD83(NSRS2007) / Massachusetts Mainland

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3586 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4
```
+proj=lcc +lat_1=42.68333333333333 +lat_2=41.71666666666667
+lat_0=41 +lon_0=-71.5 +x_0=200000 +y_0=750000 +ellps=GRS80
```

definition: `+towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3586, NAD83(NSRS2007) / Massachusetts Mainland (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3585. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=42.68333333333333 +lat_2=41.71666666666667
+lat_0=41 +lon_0=-71.5 +x_0=200000.0001016002 +y_0=750000
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192
+no_defs
```

EPSG 3587, NAD83(NSRS2007) / Michigan Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of International feet (note: not US survey feet). See code 3588 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=45.7 +lat_2=44.18333333333333
+lat_0=43.31666666666667 +lon_0=-84.36666666666666 +x_0=6000000
+y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3588, NAD83(NSRS2007) / Michigan Central (ft)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of International feet (note: not US survey feet). Federal definition is metric - see code 3587. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=45.7 +lat_2=44.18333333333333
+lat_0=43.31666666666667 +lon_0=-84.36666666666666
+x_0=5999999.999976001 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0
+to_meter=0.3048 +no_defs
```

EPSG 3589, NAD83(NSRS2007) / Michigan North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of International feet (note: not US survey feet). See code 3590 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=47.08333333333334 +lat_2=45.48333333333333
+lat_0=44.78333333333333 +lon_0=-87 +x_0=8000000 +y_0=0
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3590, NAD83(NSRS2007) / Michigan North (ft)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of International feet (note: not US survey feet). Federal definition is metric - see code 3589. Replaces NAD83(HARN) /

SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=lcc +lat_1=47.08333333333334 +lat_2=45.48333333333333 +lat_0=44.78333333333333 +lon_0=-87 +x_0=7999999.999968001 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +to_meter=0.3048 +no_defs`

EPSG 3591, NAD83(NSRS2007) / Michigan Oblique Mercator

Scope: Used for spatial data presentation for whole state.

Remarks: Replaces NAD83(HARN) / Michigan Oblique Mercator.

Source: Michigan Department of Natural Resources, http://www.michigan.gov/documents/DNR_Map_Proj_and_MI_Georef_Info_20889_7.pdf

Revision: 13.03.2007

Proj4 definition: `+proj=omerc +lat_0=45.30916666666666 +lonc=-86 +alpha=337.25556 +k=0.9996 +x_0=2546731.496 +y_0=-4354009.816 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3592, NAD83(NSRS2007) / Michigan South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of International feet (note: not US survey feet). See code 3592 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=lcc +lat_1=43.66666666666666 +lat_2=42.1 +lat_0=41.5 +lon_0=-84.36666666666666 +x_0=4000000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3593, NAD83(NSRS2007) / Michigan South (ft)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of International feet (note: not US survey feet). Federal definition is metric - see code 3591. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=lcc +lat_1=43.66666666666666 +lat_2=42.1 +lat_0=41.5 +lon_0=-84.36666666666666 +x_0=3999999.999984 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +to_meter=0.3048 +no_defs`

EPSG 3594, NAD83(NSRS2007) / Minnesota Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 26866 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 28.05.2008

Proj4 `+proj=lcc +lat_1=47.05 +lat_2=45.61666666666667 +lat_0=45 +lon_0=-`

definition: 94.25 +x_0=800000 +y_0=100000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs

EPSG 3595, NAD83(NSRS2007) / Minnesota North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 26865 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 28.05.2008

Proj4 definition: +proj=lcc +lat_1=48.63333333333333 +lat_2=47.03333333333333 +lat_0=46.5 +lon_0=-93.09999999999999 +x_0=800000 +y_0=100000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs

EPSG 3596, NAD83(NSRS2007) / Minnesota South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 26867 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 28.05.2008

Proj4 definition: +proj=lcc +lat_1=45.21666666666667 +lat_2=43.78333333333333 +lat_0=43 +lon_0=-94 +x_0=800000 +y_0=100000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs

EPSG 3597, NAD83(NSRS2007) / Mississippi East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3598 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: +proj=tmerc +lat_0=29.5 +lon_0=-88.83333333333333 +k=0.99995 +x_0=300000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs

EPSG 3598, NAD83(NSRS2007) / Mississippi East (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3597. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: +proj=tmerc +lat_0=29.5 +lon_0=-88.83333333333333 +k=0.99995 +x_0=300000.0000000001 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192 +no_defs

EPSG 3599, NAD83(NSRS2007) / Mississippi West

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3600 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 +proj=tmerc +lat_0=29.5 +lon_0=-90.33333333333333 +k=0.99995

definition: `+x_0=700000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3600, NAD83(NSRS2007) / Mississippi West (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3599. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=tmerc +lat_0=29.5 +lon_0=-90.33333333333333 +k=0.99995 +x_0=699999.9998983998 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192 +no_defs`

EPSG 3601, NAD83(NSRS2007) / Missouri Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=tmerc +lat_0=35.83333333333334 +lon_0=-92.5 +k=0.999933333 +x_0=500000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3602, NAD83(NSRS2007) / Missouri East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=tmerc +lat_0=35.83333333333334 +lon_0=-90.5 +k=0.999933333 +x_0=250000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3603, NAD83(NSRS2007) / Missouri West

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=tmerc +lat_0=36.16666666666666 +lon_0=-94.5 +k=0.999941177 +x_0=850000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3604, NAD83(NSRS2007) / Montana

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of International feet (note: not US survey feet). See code 3605 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=lcc +lat_1=49 +lat_2=45 +lat_0=44.25 +lon_0=-109.5 +x_0=600000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3605, NAD83(NSRS2007) / Montana (ft)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of International feet (note: not US survey feet). Federal definition is metric - see code 3604. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=49 +lat_2=45 +lat_0=44.25 +lon_0=-109.5
+x_0=599999.9999976 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0
+to_meter=0.3048 +no_defs
```

EPSG 3606, NAD83(NSRS2007) / Nebraska

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See CRS code 26868 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 23.06.2008

Proj4 definition:
```
+proj=lcc +lat_1=43 +lat_2=40 +lat_0=39.83333333333334 +lon_0=-100
+x_0=500000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m
+no_defs
```

EPSG 3607, NAD83(NSRS2007) / Nevada Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3608 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=tmerc +lat_0=34.75 +lon_0=-116.6666666666667 +k=0.9999
+x_0=500000 +y_0=6000000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0
+units=m +no_defs
```

EPSG 3608, NAD83(NSRS2007) / Nevada Central (ft US)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3607. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=tmerc +lat_0=34.75 +lon_0=-116.6666666666667 +k=0.9999
+x_0=500000.00001016 +y_0=6000000 +ellps=GRS80
+towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192 +no_defs
```

EPSG 3609, NAD83(NSRS2007) / Nevada East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3610 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=tmerc +lat_0=34.75 +lon_0=-115.5833333333333 +k=0.9999
+x_0=200000 +y_0=8000000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0
+units=m +no_defs
```

EPSG 3610, NAD83(NSRS2007) / Nevada East (ft US)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3609. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=tmerc +lat_0=34.75 +lon_0=-115.5833333333333 +k=0.9999
+x_0=200000.00001016 +y_0=8000000.000010163 +ellps=GRS80
+towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192 +no_defs
```

EPSG 3611, NAD83(NSRS2007) / Nevada West

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3612 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=tmerc +lat_0=34.75 +lon_0=-118.5833333333333 +k=0.9999
+x_0=800000 +y_0=4000000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0
+units=m +no_defs
```

EPSG 3612, NAD83(NSRS2007) / Nevada West (ft US)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3611. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=tmerc +lat_0=34.75 +lon_0=-118.5833333333333 +k=0.9999
+x_0=800000.0000101599 +y_0=3999999.99998984 +ellps=GRS80
+towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192 +no_defs
```

EPSG 3613, NAD83(NSRS2007) / New Hampshire

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3614 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=tmerc +lat_0=42.5 +lon_0=-71.66666666666667 +k=0.999966667
+x_0=300000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m
+no_defs
```

EPSG 3614, NAD83(NSRS2007) / New Hampshire (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3613. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=tmerc +lat_0=42.5 +lon_0=-71.66666666666667 +k=0.999966667
+x_0=300000.0000000001 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0
+to_meter=0.3048006096012192 +no_defs
```

EPSG 3615, NAD83(NSRS2007) / New Jersey

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3616 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=tmerc +lat_0=38.83333333333334 +lon_0=-74.5 +k=0.9999
+x_0=150000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m
+no_defs
```

EPSG 3616, NAD83(NSRS2007) / New Jersey (ft US)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3615. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=tmerc +lat_0=38.83333333333334 +lon_0=-74.5 +k=0.9999
+x_0=150000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0
+to_meter=0.3048006096012192 +no_defs
```

EPSG 3617, NAD83(NSRS2007) / New Mexico Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3618 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=tmerc +lat_0=31 +lon_0=-106.25 +k=0.9999 +x_0=500000 +y_0=0
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3618, NAD83(NSRS2007) / New Mexico Central (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3617. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=tmerc +lat_0=31 +lon_0=-106.25 +k=0.9999
+x_0=500000.0001016001 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0
+to_meter=0.3048006096012192 +no_defs
```

EPSG 3619, NAD83(NSRS2007) / New Mexico East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3620 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=tmerc +lat_0=31 +lon_0=-104.3333333333333 +k=0.999909091
+x_0=165000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m
+no_defs
```

EPSG 3620, NAD83(NSRS2007) / New Mexico East (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3619. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=tmerc +lat_0=31 +lon_0=-104.3333333333333 +k=0.999909091
+x_0=165000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0
+to_meter=0.3048006096012192 +no_defs
```

EPSG 3621, NAD83(NSRS2007) / New Mexico West

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3622 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=tmerc +lat_0=31 +lon_0=-107.8333333333333 +k=0.999916667
+x_0=830000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m
+no_defs
```

EPSG 3622, NAD83(NSRS2007) / New Mexico West (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3621. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=tmerc +lat_0=31 +lon_0=-107.8333333333333 +k=0.999916667
+x_0=830000.0001016001 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0
+to_meter=0.3048006096012192 +no_defs
```

EPSG 3623, NAD83(NSRS2007) / New York Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3624 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=tmerc +lat_0=40 +lon_0=-76.58333333333333 +k=0.9999375
+x_0=250000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m
+no_defs
```

EPSG 3624, NAD83(NSRS2007) / New York Central (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3623. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=tmerc +lat_0=40 +lon_0=-76.58333333333333 +k=0.9999375
+x_0=249999.9998983998 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0
+to_meter=0.3048006096012192 +no_defs
```

EPSG 3625, NAD83(NSRS2007) / New York East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3626 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=tmerc +lat_0=38.83333333333334 +lon_0=-74.5 +k=0.9999
+x_0=150000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m
+no_defs
```

EPSG 3626, NAD83(NSRS2007) / New York East (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3625. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=tmerc +lat_0=38.83333333333334 +lon_0=-74.5 +k=0.9999
+x_0=150000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0
+to_meter=0.3048006096012192 +no_defs
```

EPSG 3627, NAD83(NSRS2007) / New York Long Island

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3628 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=41.03333333333333 +lat_2=40.66666666666666
+lat_0=40.16666666666666 +lon_0=-74 +x_0=300000 +y_0=0 +ellps=GRS80
+towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3628, NAD83(NSRS2007) / New York Long Island (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3627. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=41.03333333333333 +lat_2=40.66666666666666
+lat_0=40.16666666666666 +lon_0=-74 +x_0=300000.0000000001 +y_0=0
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192
+no_defs
```

EPSG 3629, NAD83(NSRS2007) / New York West

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3630 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=tmerc +lat_0=40 +lon_0=-78.58333333333333 +k=0.9999375
+x_0=350000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m
+no_defs
```

EPSG 3630, NAD83(NSRS2007) / New York West (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 36290. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=tmerc +lat_0=40 +lon_0=-78.58333333333333 +k=0.9999375
+x_0=350000.0001016001 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0
+to_meter=0.3048006096012192 +no_defs
```

EPSG 3631, NAD83(NSRS2007) / North Carolina

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See CRS code 3632 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=36.16666666666666 +lat_2=34.33333333333334
+lat_0=33.75 +lon_0=-79 +x_0=609601.22 +y_0=0 +ellps=GRS80
+towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3632, NAD83(NSRS2007) / North Carolina (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see CRS code 3631. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=36.16666666666666 +lat_2=34.33333333333334
+lat_0=33.75 +lon_0=-79 +x_0=609601.2192024384 +y_0=0 +ellps=GRS80
+towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192 +no_defs
```

EPSG 3633, NAD83(NSRS2007) / North Dakota North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of International feet (note: not US survey feet). See code 3634 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=48.73333333333333 +lat_2=47.43333333333333
+lat_0=47 +lon_0=-100.5 +x_0=600000 +y_0=0 +ellps=GRS80
+towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3634, NAD83(NSRS2007) / North Dakota North (ft)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of International feet (note: not US survey feet). Federal definition is metric - see code 3633. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=48.73333333333333 +lat_2=47.43333333333333
+lat_0=47 +lon_0=-100.5 +x_0=599999.9999976 +y_0=0 +ellps=GRS80
+towgs84=0,0,0,0,0,0,0 +to_meter=0.3048 +no_defs
```

EPSG 3635, NAD83(NSRS2007) / North Dakota South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of International feet (note: not US survey feet). See code 3636 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=47.48333333333333 +lat_2=46.18333333333333
+lat_0=45.66666666666666 +lon_0=-100.5 +x_0=600000 +y_0=0
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3636, NAD83(NSRS2007) / North Dakota South (ft)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of International feet (note: not US survey feet). Federal definition is metric - see code 3635. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=47.48333333333333 +lat_2=46.18333333333333
+lat_0=45.66666666666666 +lon_0=-100.5 +x_0=599999.9999976 +y_0=0
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +to_meter=0.3048 +no_defs
```

EPSG 3637, NAD83(NSRS2007) / Ohio North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3728 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=41.7 +lat_2=40.43333333333333
+lat_0=39.66666666666666 +lon_0=-82.5 +x_0=600000 +y_0=0
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3638, NAD83(NSRS2007) / Ohio South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3729 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=40.03333333333333 +lat_2=38.73333333333333
+lat_0=38 +lon_0=-82.5 +x_0=600000 +y_0=0 +ellps=GRS80
+towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3639, NAD83(NSRS2007) / Oklahoma North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3640 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4
```
+proj=lcc +lat_1=36.76666666666667 +lat_2=35.56666666666667
+lat_0=35 +lon_0=-98 +x_0=600000 +y_0=0 +ellps=GRS80
```

definition: +towgs84=0,0,0,0,0,0,0 +units=m +no_defs

EPSG 3640, NAD83(NSRS2007) / Oklahoma North (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3639. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: +proj=lcc +lat_1=36.76666666666667 +lat_2=35.56666666666667 +lat_0=35 +lon_0=-98 +x_0=600000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192 +no_defs

EPSG 3641, NAD83(NSRS2007) / Oklahoma South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3642 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: +proj=lcc +lat_1=35.23333333333333 +lat_2=33.93333333333333 +lat_0=33.33333333333334 +lon_0=-98 +x_0=600000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs

EPSG 3642, NAD83(NSRS2007) / Oklahoma South (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3641. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: +proj=lcc +lat_1=35.23333333333333 +lat_2=33.93333333333333 +lat_0=33.33333333333334 +lon_0=-98 +x_0=600000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192 +no_defs

EPSG 3643, NAD83(NSRS2007) / Oregon Lambert

Scope: Used by Oregon agencies for publishing State-wide spatial data in a single projected system.

Remarks: State law defines use of International feet (note: not US survey feet). See code 3644 for non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: Oregon Geographic Information Council - Oregon Geospatial Data Clearing House, www.gis.state.or.us/coord/project/gpl.html

Revision: 13.03.2007

Proj4 definition: +proj=lcc +lat_1=43 +lat_2=45.5 +lat_0=41.75 +lon_0=-120.5 +x_0=400000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs

EPSG 3644, NAD83(NSRS2007) / Oregon Lambert (ft)

Scope: Used by Oregon agencies for publishing State-wide spatial data in a single projected system.

Remarks: State law defines use of International feet (note: not US survey feet). Federal definition is metric - see code 3643. Replaces NAD83(HARN) / SPCS.

Source: Oregon Geographic Information Council - Oregon Geospatial Data Clearing House, www.gis.state.or.us/coord/project/gpl.html

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=43 +lat_2=45.5 +lat_0=41.75 +lon_0=-120.5
+x_0=399999.9999984 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0
+to_meter=0.3048 +no_defs
```

EPSG 3645, NAD83(NSRS2007) / Oregon North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of International feet (note: not US survey feet). See code 3646 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=46 +lat_2=44.33333333333334
+lat_0=43.66666666666666 +lon_0=-120.5 +x_0=2500000 +y_0=0
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3646, NAD83(NSRS2007) / Oregon North (ft)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of International feet (note: not US survey feet). Federal definition is metric - see code 3645. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=46 +lat_2=44.33333333333334
+lat_0=43.66666666666666 +lon_0=-120.5 +x_0=2500000.0001424 +y_0=0
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +to_meter=0.3048 +no_defs
```

EPSG 3647, NAD83(NSRS2007) / Oregon South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of International feet (note: not US survey feet). See code 3648 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=44 +lat_2=42.33333333333334
+lat_0=41.66666666666666 +lon_0=-120.5 +x_0=1500000 +y_0=0
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3648, NAD83(NSRS2007) / Oregon South (ft)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of International feet (note: not US survey feet). Federal definition is metric - see code 3647. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=44 +lat_2=42.33333333333334
+lat_0=41.66666666666666 +lon_0=-120.5 +x_0=1500000.0001464 +y_0=0
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +to_meter=0.3048 +no_defs
```

EPSG 3649, NAD83(NSRS2007) / Pennsylvania North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3650 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=41.95 +lat_2=40.88333333333333
+lat_0=40.16666666666666 +lon_0=-77.75 +x_0=600000 +y_0=0
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3650, NAD83(NSRS2007) / Pennsylvania North (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3649. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=41.95 +lat_2=40.88333333333333
+lat_0=40.16666666666666 +lon_0=-77.75 +x_0=600000 +y_0=0
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192
+no_defs
```

EPSG 3651, NAD83(NSRS2007) / Pennsylvania South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3652 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=40.96666666666667 +lat_2=39.93333333333333
+lat_0=39.33333333333334 +lon_0=-77.75 +x_0=600000 +y_0=0
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3652, NAD83(NSRS2007) / Pennsylvania South (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3651. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=40.96666666666667 +lat_2=39.93333333333333
+lat_0=39.33333333333334 +lon_0=-77.75 +x_0=600000 +y_0=0
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192
+no_defs
```

EPSG 3653, NAD83(NSRS2007) / Rhode Island

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3654 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4
```
+proj=tmerc +lat_0=41.08333333333334 +lon_0=-71.5 +k=0.99999375
```

definition: `+x_0=100000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3654, NAD83(NSRS2007) / Rhode Island (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3653. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=tmerc +lat_0=41.08333333333334 +lon_0=-71.5 +k=0.99999375 +x_0=99999.99998983997 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192 +no_defs`

EPSG 3655, NAD83(NSRS2007) / South Carolina

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of International feet (note: not US survey feet). See code 3656 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=lcc +lat_1=34.83333333333334 +lat_2=32.5 +lat_0=31.83333333333333 +lon_0=-81 +x_0=609600 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3656, NAD83(NSRS2007) / South Carolina (ft)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of International feet (note: not US survey feet). Federal definition is metric - see code 3655. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=lcc +lat_1=34.83333333333334 +lat_2=32.5 +lat_0=31.83333333333333 +lon_0=-81 +x_0=609600 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +to_meter=0.3048 +no_defs`

EPSG 3657, NAD83(NSRS2007) / South Dakota North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3658 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=lcc +lat_1=45.68333333333333 +lat_2=44.41666666666666 +lat_0=43.83333333333334 +lon_0=-100 +x_0=600000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3658, NAD83(NSRS2007) / South Dakota North (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3657. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=45.68333333333333 +lat_2=44.41666666666666
+lat_0=43.83333333333334 +lon_0=-100 +x_0=600000 +y_0=0
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192
+no_defs
```

EPSG 3659, NAD83(NSRS2007) / South Dakota South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3660 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=44.4 +lat_2=42.83333333333334
+lat_0=42.33333333333334 +lon_0=-100.3333333333333 +x_0=600000
+y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3660, NAD83(NSRS2007) / South Dakota South (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3659. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=44.4 +lat_2=42.83333333333334
+lat_0=42.33333333333334 +lon_0=-100.3333333333333 +x_0=600000
+y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0
+to_meter=0.3048006096012192 +no_defs
```

EPSG 3661, NAD83(NSRS2007) / Tennessee

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3662 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=36.41666666666666 +lat_2=35.25
+lat_0=34.33333333333334 +lon_0=-86 +x_0=600000 +y_0=0 +ellps=GRS80
+towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3662, NAD83(NSRS2007) / Tennessee (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3661. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=36.41666666666666 +lat_2=35.25
+lat_0=34.33333333333334 +lon_0=-86 +x_0=600000 +y_0=0 +ellps=GRS80
+towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192 +no_defs
```

EPSG 3663, NAD83(NSRS2007) / Texas Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3664 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=lcc +lat_1=31.88333333333333 +lat_2=30.11666666666667 +lat_0=29.66666666666667 +lon_0=-100.3333333333333 +x_0=700000 +y_0=3000000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3664, NAD83(NSRS2007) / Texas Central (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3663. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=lcc +lat_1=31.88333333333333 +lat_2=30.11666666666667 +lat_0=29.66666666666667 +lon_0=-100.3333333333333 +x_0=699999.9998983998 +y_0=3000000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192 +no_defs`

EPSG 3665, NAD83(NSRS2007) / Texas Centric Albers Equal Area

Scope: Used for state-wide spatial data presentation requiring true area measurements.

Remarks: For state-wide spatial data presentation requiring shape preservation use TCMS/LC (CRS code 3666). Replaces NAD83(HARN) / Texas Centric Albers Equal Area.

Source: Texas Natural Resources Information System, http://www.tnris.state.tx.us/DigitalData/projections.htm

Revision: 13.03.2007

Proj4 definition: `+proj=aea +lat_1=27.5 +lat_2=35 +lat_0=18 +lon_0=-100 +x_0=1500000 +y_0=6000000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3666, NAD83(NSRS2007) / Texas Centric Lambert Conformal

Scope: Used for state-wide spatial data presentation requiring shape preservation.

Remarks: For state-wide spatial data presentation requiring true area measurements use TCMS/AEA (CRS code 3665). Replaces NAD83(HARN) / Texas Centric Lambert Conformal.

Source: Texas Natural Resources Information System, http://www.tnris.state.tx.us/DigitalData/projections.htm

Revision: 13.03.2007

Proj4 definition: `+proj=lcc +lat_1=27.5 +lat_2=35 +lat_0=18 +lon_0=-100 +x_0=1500000 +y_0=5000000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3667, NAD83(NSRS2007) / Texas North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3668 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=lcc +lat_1=36.18333333333333 +lat_2=34.65 +lat_0=34 +lon_0=-101.5 +x_0=200000 +y_0=1000000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3668, NAD83(NSRS2007) / Texas North (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3667. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=36.18333333333333 +lat_2=34.65 +lat_0=34 +lon_0=-
101.5 +x_0=200000.0001016002 +y_0=999999.9998983998 +ellps=GRS80
+towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192 +no_defs
```

EPSG 3669, NAD83(NSRS2007) / Texas North Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3670 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=33.96666666666667 +lat_2=32.13333333333333
+lat_0=31.66666666666667 +lon_0=-98.5 +x_0=600000 +y_0=2000000
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3670, NAD83(NSRS2007) / Texas North Central (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3669. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=33.96666666666667 +lat_2=32.13333333333333
+lat_0=31.66666666666667 +lon_0=-98.5 +x_0=600000
+y_0=2000000.0001016 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0
+to_meter=0.3048006096012192 +no_defs
```

EPSG 3671, NAD83(NSRS2007) / Texas South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3672 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=27.83333333333333 +lat_2=26.16666666666667
+lat_0=25.66666666666667 +lon_0=-98.5 +x_0=300000 +y_0=5000000
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3672, NAD83(NSRS2007) / Texas South (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3671. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=27.83333333333333 +lat_2=26.16666666666667
+lat_0=25.66666666666667 +lon_0=-98.5 +x_0=300000.0000000001
```

```
+y_0=5000000.0001016 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0
+to_meter=0.3048006096012192 +no_defs
```

EPSG 3673, NAD83(NSRS2007) / Texas South Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3764 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=30.28333333333333 +lat_2=28.38333333333333
+lat_0=27.83333333333333 +lon_0=-99 +x_0=600000 +y_0=4000000
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3674, NAD83(NSRS2007) / Texas South Central (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3673. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=30.28333333333333 +lat_2=28.38333333333333
+lat_0=27.83333333333333 +lon_0=-99 +x_0=600000
+y_0=3999999.9998984 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0
+to_meter=0.3048006096012192 +no_defs
```

EPSG 3675, NAD83(NSRS2007) / Utah Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD83(HARN) / SPCS. State law defining use of International feet (note: not US survey feet) has been withdrawn.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=40.65 +lat_2=39.01666666666667
+lat_0=38.33333333333334 +lon_0=-111.5 +x_0=500000 +y_0=2000000
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3676, NAD83(NSRS2007) / Utah Central (ft)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defining use of International feet (note: not US survey feet) has been withdrawn. Federal definition is metric - see code 3675. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=40.65 +lat_2=39.01666666666667
+lat_0=38.33333333333334 +lon_0=-111.5 +x_0=500000.0001504
+y_0=1999999.999992 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0
+to_meter=0.3048 +no_defs
```

EPSG 3677, NAD83(NSRS2007) / Utah Central (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defining use of International feet (note: not US survey feet) has been withdrawn. Federal definition is metric - see code 3675. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=40.65 +lat_2=39.01666666666667
+lat_0=38.33333333333334 +lon_0=-111.5 +x_0=500000.00001016
+y_0=2000000.00001016 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0
+to_meter=0.3048006096012192 +no_defs
```

EPSG 3678, NAD83(NSRS2007) / Utah North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD83(HARN) / SPCS. State law defining use of International feet (note: not US survey feet) has been withdrawn.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=41.78333333333333 +lat_2=40.71666666666667
+lat_0=40.33333333333334 +lon_0=-111.5 +x_0=500000 +y_0=1000000
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3679, NAD83(NSRS2007) / Utah North (ft)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defining use of International feet (note: not US survey feet) has been withdrawn. Federal definition is metric - see code 3678. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=41.78333333333333 +lat_2=40.71666666666667
+lat_0=40.33333333333334 +lon_0=-111.5 +x_0=500000.0001504
+y_0=999999.9999960001 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0
+to_meter=0.3048 +no_defs
```

EPSG 3680, NAD83(NSRS2007) / Utah North (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defining use of International feet (note: not US survey feet) has been withdrawn. Federal definition is metric - see code 3678. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=41.78333333333333 +lat_2=40.71666666666667
+lat_0=40.33333333333334 +lon_0=-111.5 +x_0=500000.00001016
+y_0=999999.9999898402 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0
+to_meter=0.3048006096012192 +no_defs
```

EPSG 3681, NAD83(NSRS2007) / Utah South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD83(HARN) / SPCS. State law defining use of International feet (note: not US survey feet) has been withdrawn.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=38.35 +lat_2=37.21666666666667
+lat_0=36.66666666666666 +lon_0=-111.5 +x_0=500000 +y_0=3000000
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3682, NAD83(NSRS2007) / Utah South (ft)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defining use of International feet (note: not US survey feet) has been withdrawn. Federal definition is metric - see code 3681. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=38.35 +lat_2=37.21666666666667
+lat_0=36.66666666666666 +lon_0=-111.5 +x_0=500000.0001504
+y_0=2999999.999988 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0
+to_meter=0.3048 +no_defs
```

EPSG 3683, NAD83(NSRS2007) / Utah South (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defining use of International feet (note: not US survey feet) has been withdrawn. Federal definition is metric - see code 3681. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=38.35 +lat_2=37.21666666666667
+lat_0=36.66666666666666 +lon_0=-111.5 +x_0=500000.00001016
+y_0=3000000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0
+to_meter=0.3048006096012192 +no_defs
```

EPSG 3684, NAD83(NSRS2007) / Vermont

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 5655 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 05.01.2012

Proj4 definition:
```
+proj=tmerc +lat_0=42.5 +lon_0=-72.5 +k=0.999964286 +x_0=500000
+y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3685, NAD83(NSRS2007) / Virginia North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3686 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=39.2 +lat_2=38.03333333333333
+lat_0=37.66666666666666 +lon_0=-78.5 +x_0=3500000 +y_0=2000000
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3686, NAD83(NSRS2007) / Virginia North (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3685. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=lcc +lat_1=39.2 +lat_2=38.03333333333333 +lat_0=37.66666666666666 +lon_0=-78.5 +x_0=3500000.0001016 +y_0=2000000.0001016 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192 +no_defs`

EPSG 3687, NAD83(NSRS2007) / Virginia South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3688 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=lcc +lat_1=37.96666666666667 +lat_2=36.76666666666667 +lat_0=36.33333333333334 +lon_0=-78.5 +x_0=3500000 +y_0=1000000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3688, NAD83(NSRS2007) / Virginia South (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3687. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=lcc +lat_1=37.96666666666667 +lat_2=36.76666666666667 +lat_0=36.33333333333334 +lon_0=-78.5 +x_0=3500000.0001016 +y_0=999999.9998983998 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192 +no_defs`

EPSG 3689, NAD83(NSRS2007) / Washington North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3690 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=lcc +lat_1=48.73333333333333 +lat_2=47.5 +lat_0=47 +lon_0=-120.8333333333333 +x_0=500000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3690, NAD83(NSRS2007) / Washington North (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3689. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=lcc +lat_1=48.73333333333333 +lat_2=47.5 +lat_0=47 +lon_0=-120.8333333333333 +x_0=500000.0001016001 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192 +no_defs`

EPSG 3691, NAD83(NSRS2007) / Washington South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3692 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=lcc +lat_1=47.33333333333334 +lat_2=45.83333333333334 +lat_0=45.33333333333334 +lon_0=-120.5 +x_0=500000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3692, NAD83(NSRS2007) / Washington South (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3691. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=lcc +lat_1=47.33333333333334 +lat_2=45.83333333333334 +lat_0=45.33333333333334 +lon_0=-120.5 +x_0=500000.0001016001 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192 +no_defs`

EPSG 3693, NAD83(NSRS2007) / West Virginia North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See CRS code 26869 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 23.06.2008

Proj4 definition: `+proj=lcc +lat_1=40.25 +lat_2=39 +lat_0=38.5 +lon_0=-79.5 +x_0=600000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3694, NAD83(NSRS2007) / West Virginia South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See CRS code 26870 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 23.06.2008

Proj4 definition: `+proj=lcc +lat_1=38.88333333333333 +lat_2=37.48333333333333 +lat_0=37 +lon_0=-81 +x_0=600000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3695, NAD83(NSRS2007) / Wisconsin Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3696 for equivalent non-metric definition. SReplaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=lcc +lat_1=45.5 +lat_2=44.25 +lat_0=43.83333333333334 +lon_0=-90 +x_0=600000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3696, NAD83(NSRS2007) / Wisconsin Central (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3695. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=45.5 +lat_2=44.25 +lat_0=43.83333333333334
+lon_0=-90 +x_0=600000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0
+to_meter=0.3048006096012192 +no_defs
```

EPSG 3697, NAD83(NSRS2007) / Wisconsin North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3698 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=46.76666666666667 +lat_2=45.56666666666667
+lat_0=45.16666666666666 +lon_0=-90 +x_0=600000 +y_0=0 +ellps=GRS80
+towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3698, NAD83(NSRS2007) / Wisconsin North (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3607. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=46.76666666666667 +lat_2=45.56666666666667
+lat_0=45.16666666666666 +lon_0=-90 +x_0=600000 +y_0=0 +ellps=GRS80
+towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192 +no_defs
```

EPSG 3699, NAD83(NSRS2007) / Wisconsin South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3700 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=44.06666666666667 +lat_2=42.73333333333333
+lat_0=42 +lon_0=-90 +x_0=600000 +y_0=0 +ellps=GRS80
+towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3700, NAD83(NSRS2007) / Wisconsin South (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3699. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=44.06666666666667 +lat_2=42.73333333333333
+lat_0=42 +lon_0=-90 +x_0=600000 +y_0=0 +ellps=GRS80
+towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192 +no_defs
```

EPSG 3701, NAD83(NSRS2007) / Wisconsin Transverse Mercator

Scope: State-wide applications requiring a single system.

Remarks: Designed as a single zone for the whole state. Replaces NAD27 / Wisconsin Transverse Mercator (CRS code 3069). Replaces NAD83(HARN) / Wisconsin Transverse Mercator.

Source: Wisconsin Coordinate Systems Handbook (1991) http://sco.wisc.edu/pubs/wiscoord/wiscoord.php

Revision: 13.03.2007

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-90 +k=0.9996 +x_0=520000 +y_0=-4480000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3702, NAD83(NSRS2007) / Wyoming East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3730 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=tmerc +lat_0=40.5 +lon_0=-105.1666666666667 +k=0.9999375 +x_0=200000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3703, NAD83(NSRS2007) / Wyoming East Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3731 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=tmerc +lat_0=40.5 +lon_0=-107.3333333333333 +k=0.9999375 +x_0=400000 +y_0=100000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3704, NAD83(NSRS2007) / Wyoming West Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3732 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=tmerc +lat_0=40.5 +lon_0=-108.75 +k=0.9999375 +x_0=600000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3705, NAD83(NSRS2007) / Wyoming West

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. See code 3733 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition: `+proj=tmerc +lat_0=40.5 +lon_0=-110.0833333333333 +k=0.9999375 +x_0=800000 +y_0=100000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3706, NAD83(NSRS2007) / UTM zone 59N

Scope: Medium scale topographic mapping.

Remarks: For applications with an accuracy of better than 1m, replaces NAD83 / UTM zone 59N.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 05.03.2010

Proj4 definition: `+proj=utm +zone=59 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3707, NAD83(NSRS2007) / UTM zone 60N

Scope: Medium scale topographic mapping.

Remarks: For applications with an accuracy of better than 1m, replaces NAD83 / UTM zone 60N.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 05.03.2010

Proj4 definition: `+proj=utm +zone=60 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3708, NAD83(NSRS2007) / UTM zone 1N

Scope: Medium scale topographic mapping.

Remarks: For applications with an accuracy of better than 1m, replaces NAD83 / UTM zone 1N.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 05.03.2010

Proj4 definition: `+proj=utm +zone=1 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3709, NAD83(NSRS2007) / UTM zone 2N

Scope: Medium scale topographic mapping.

Remarks: For applications with an accuracy of better than 1m, replaces NAD83 / UTM zone 2N.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 05.03.2010

Proj4 definition: `+proj=utm +zone=2 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3710, NAD83(NSRS2007) / UTM zone 3N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: For applications with an accuracy of better than 1m, replaces NAD83 / UTM zone 3N.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 05.03.2010

Proj4 definition: `+proj=utm +zone=3 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3711, NAD83(NSRS2007) / UTM zone 4N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: For applications with an accuracy of better than 1m, replaces NAD83 / UTM zone 4N.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 05.03.2010

Proj4 definition: `+proj=utm +zone=4 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3712, NAD83(NSRS2007) / UTM zone 5N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: For applications with an accuracy of better than 1m, replaces NAD83 / UTM zone 5N.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 05.03.2010

Proj4 definition: `+proj=utm +zone=5 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3713, NAD83(NSRS2007) / UTM zone 6N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: For applications with an accuracy of better than 1m, replaces NAD83 / UTM zone 6N.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 05.03.2010

Proj4 definition: `+proj=utm +zone=6 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3714, NAD83(NSRS2007) / UTM zone 7N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: For applications with an accuracy of better than 1m, replaces NAD83 / UTM zone 7N.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 29.05.2007

Proj4 definition: `+proj=utm +zone=7 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3715, NAD83(NSRS2007) / UTM zone 8N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: For applications with an accuracy of better than 1m, replaces NAD83 / UTM zone 8N.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 29.05.2007

Proj4 definition: `+proj=utm +zone=8 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3716, NAD83(NSRS2007) / UTM zone 9N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: For applications with an accuracy of better than 1m, replaces NAD83 / UTM zone 9N.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 29.05.2007

Proj4 definition: `+proj=utm +zone=9 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3717, NAD83(NSRS2007) / UTM zone 10N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces NAD83(HARN) / UTM zone 10N.
Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/
Revision: 29.05.2007
Proj4 definition: `+proj=utm +zone=10 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3718, NAD83(NSRS2007) / UTM zone 11N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces NAD83(HARN) / UTM zone 11N.
Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/
Revision: 29.05.2007
Proj4 definition: `+proj=utm +zone=11 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3719, NAD83(NSRS2007) / UTM zone 12N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces NAD83(HARN) / UTM zone 12N.
Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/
Revision: 29.05.2007
Proj4 definition: `+proj=utm +zone=12 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3720, NAD83(NSRS2007) / UTM zone 13N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces NAD83(HARN) / UTM zone 13N.
Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/
Revision: 29.05.2007
Proj4 definition: `+proj=utm +zone=13 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3721, NAD83(NSRS2007) / UTM zone 14N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces NAD83(HARN) / UTM zone 14N.
Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/
Revision: 29.05.2007
Proj4 definition: `+proj=utm +zone=14 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3722, NAD83(NSRS2007) / UTM zone 15N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces NAD83(HARN) / UTM zone 15N.
Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/
Revision: 29.05.2007
Proj4 `+proj=utm +zone=15 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m`

definition: +no_defs

EPSG 3723, NAD83(NSRS2007) / UTM zone 16N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces NAD83(HARN) / UTM zone 16N.
Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/
Revision: 29.05.2007
Proj4 definition: +proj=utm +zone=16 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs

EPSG 3724, NAD83(NSRS2007) / UTM zone 17N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces NAD83(HARN) / UTM zone 17N.
Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/
Revision: 29.05.2007
Proj4 definition: +proj=utm +zone=17 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs

EPSG 3725, NAD83(NSRS2007) / UTM zone 18N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces NAD83(HARN) / UTM zone 18N.
Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/
Revision: 29.05.2007
Proj4 definition: +proj=utm +zone=18 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs

EPSG 3726, NAD83(NSRS2007) / UTM zone 19N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces NAD83(HARN) / UTM zone 19N.
Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/
Revision: 29.05.2007
Proj4 definition: +proj=utm +zone=19 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs

EPSG 3727, Reunion 1947 / TM Reunion

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces Reunion 1947 / Gauss Laborde Reunion (alias Piton des Neiges / Gauss Laborde Reunion). Replaced by RGR92 / UTM zone 40S (CRS code 2975).
Source: IGN Paris
Revision: 13.03.2007
Proj4 definition: +proj=tmerc +lat_0=-21.11666666666667 +lon_0=55.53333333333333 +k=1 +x_0=160000 +y_0=50000 +ellps=intl +units=m +no_defs

EPSG 3728, NAD83(NSRS2007) / Ohio North (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: State law defines use of US survey feet. Federal definition is metric - see

code 3637. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=41.7 +lat_2=40.43333333333333
+lat_0=39.66666666666666 +lon_0=-82.5 +x_0=600000 +y_0=0
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192
+no_defs
```

EPSG 3729, NAD83(NSRS2007) / Ohio South (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3638. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 29.05.2007

Proj4 definition:
```
+proj=lcc +lat_1=40.03333333333333 +lat_2=38.73333333333333
+lat_0=38 +lon_0=-82.5 +x_0=600000 +y_0=0 +ellps=GRS80
+towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192 +no_defs
```

EPSG 3730, NAD83(NSRS2007) / Wyoming East (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3702. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=tmerc +lat_0=40.5 +lon_0=-105.1666666666667 +k=0.9999375
+x_0=200000.00001016 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0
+to_meter=0.3048006096012192 +no_defs
```

EPSG 3731, NAD83(NSRS2007) / Wyoming East Central (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3703. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=tmerc +lat_0=40.5 +lon_0=-107.3333333333333 +k=0.9999375
+x_0=399999.99998984 +y_0=99999.99998983997 +ellps=GRS80
+towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192 +no_defs
```

EPSG 3732, NAD83(NSRS2007) / Wyoming West Central (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3704. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=tmerc +lat_0=40.5 +lon_0=-108.75 +k=0.9999375 +x_0=600000
+y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0
+to_meter=0.3048006096012192 +no_defs
```

EPSG 3733, NAD83(NSRS2007) / Wyoming West (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3705. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=tmerc +lat_0=40.5 +lon_0=-110.0833333333333 +k=0.9999375
+x_0=800000.0000101599 +y_0=99999.99998983997 +ellps=GRS80
+towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192 +no_defs
```

EPSG 3734, NAD83 / Ohio North (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 32122. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=41.7 +lat_2=40.43333333333333
+lat_0=39.66666666666666 +lon_0=-82.5 +x_0=600000 +y_0=0
+ellps=GRS80 +datum=NAD83 +to_meter=0.3048006096012192 +no_defs
```

EPSG 3735, NAD83 / Ohio South (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 32123. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 29.05.2007

Proj4 definition:
```
+proj=lcc +lat_1=40.03333333333333 +lat_2=38.73333333333333
+lat_0=38 +lon_0=-82.5 +x_0=600000 +y_0=0 +ellps=GRS80 +datum=NAD83
+to_meter=0.3048006096012192 +no_defs
```

EPSG 3736, NAD83 / Wyoming East (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 32155. Replaced by NAD83(HARN) / SPCS for applications with an accuracy of better than 3 feet.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 29.05.2007

Proj4 definition:
```
+proj=tmerc +lat_0=40.5 +lon_0=-105.1666666666667 +k=0.9999375
+x_0=200000.00001016 +y_0=0 +ellps=GRS80 +datum=NAD83
+to_meter=0.3048006096012192 +no_defs
```

EPSG 3737, NAD83 / Wyoming East Central (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 32156. Replaced by NAD83(HARN) / SPCS for applications with an accuracy of better than 3 feet.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 29.05.2007

Proj4 definition:
```
+proj=tmerc +lat_0=40.5 +lon_0=-107.3333333333333 +k=0.9999375
+x_0=399999.99998984 +y_0=99999.99998983997 +ellps=GRS80
```

```
+datum=NAD83 +to_meter=0.3048006096012192 +no_defs
```

EPSG 3738, NAD83 / Wyoming West Central (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 32157. Replaced by NAD83(HARN) / SPCS for applications with an accuracy of better than 3 feet.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 13.03.2007

Proj4 definition:
```
+proj=tmerc +lat_0=40.5 +lon_0=-108.75 +k=0.9999375 +x_0=600000
+y_0=0 +ellps=GRS80 +datum=NAD83 +to_meter=0.3048006096012192
+no_defs
```

EPSG 3739, NAD83 / Wyoming West (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 32158. Replaced by NAD83(HARN) / SPCS for applications with an accuracy of better than 3 feet.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 29.05.2007

Proj4 definition:
```
+proj=tmerc +lat_0=40.5 +lon_0=-110.0833333333333 +k=0.9999375
+x_0=800000.0000101599 +y_0=99999.99998983997 +ellps=GRS80
+datum=NAD83 +to_meter=0.3048006096012192 +no_defs
```

EPSG 3740, NAD83(HARN) / UTM zone 10N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD83 / UTM zone 10N for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / UTM zone 10N.

Source: US National Geodetic Survey (NGS) http://www.ngs.noaa.gov/

Revision: 20.07.2011

Proj4 definition:
```
+proj=utm +zone=10 +ellps=GRS80 +units=m +no_defs
```

EPSG 3741, NAD83(HARN) / UTM zone 11N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD83 / UTM zone 11N for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / UTM zone 11N.

Source: US National Geodetic Survey (NGS) http://www.ngs.noaa.gov/

Revision: 20.07.2011

Proj4 definition:
```
+proj=utm +zone=11 +ellps=GRS80 +units=m +no_defs
```

EPSG 3742, NAD83(HARN) / UTM zone 12N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD83 / UTM zone 12N for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / UTM zone 12N.

Source: US National Geodetic Survey (NGS) http://www.ngs.noaa.gov/

Revision: 20.04.2007

Proj4 definition: `+proj=utm +zone=12 +ellps=GRS80 +units=m +no_defs`

EPSG 3743, NAD83(HARN) / UTM zone 13N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD83 / UTM zone 13N for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / UTM zone 13N.

Source: US National Geodetic Survey (NGS) http://www.ngs.noaa.gov/

Revision: 20.04.2007

Proj4 definition: `+proj=utm +zone=13 +ellps=GRS80 +units=m +no_defs`

EPSG 3744, NAD83(HARN) / UTM zone 14N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD83 / UTM zone 14N for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / UTM zone 14N.

Source: US National Geodetic Survey (NGS) http://www.ngs.noaa.gov/

Revision: 20.07.2011

Proj4 definition: `+proj=utm +zone=14 +ellps=GRS80 +units=m +no_defs`

EPSG 3745, NAD83(HARN) / UTM zone 15N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD83 / UTM zone 15N for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / UTM zone 15N.

Source: US National Geodetic Survey (NGS) http://www.ngs.noaa.gov/

Revision: 20.07.2011

Proj4 definition: `+proj=utm +zone=15 +ellps=GRS80 +units=m +no_defs`

EPSG 3746, NAD83(HARN) / UTM zone 16N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD83 / UTM zone 16N for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / UTM zone 16N.

Source: US National Geodetic Survey (NGS) http://www.ngs.noaa.gov/

Revision: 20.07.2011

Proj4 definition: `+proj=utm +zone=16 +ellps=GRS80 +units=m +no_defs`

EPSG 3747, NAD83(HARN) / UTM zone 17N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD83 / UTM zone 17N for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / UTM zone 17N.

Source: US National Geodetic Survey (NGS) http://www.ngs.noaa.gov/

Revision: 20.07.2011

Proj4 definition: `+proj=utm +zone=17 +ellps=GRS80 +units=m +no_defs`

EPSG 3748, NAD83(HARN) / UTM zone 18N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces NAD83 / UTM zone 18N for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / UTM zone 18N.
Source: US National Geodetic Survey (NGS) http://www.ngs.noaa.gov/
Revision: 20.07.2011
Proj4 definition: `+proj=utm +zone=18 +ellps=GRS80 +units=m +no_defs`

EPSG 3749, NAD83(HARN) / UTM zone 19N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces NAD83 / UTM zone 19N for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / UTM zone 19N.
Source: US National Geodetic Survey (NGS) http://www.ngs.noaa.gov/
Revision: 20.07.2011
Proj4 definition: `+proj=utm +zone=19 +ellps=GRS80 +units=m +no_defs`

EPSG 3750, NAD83(HARN) / UTM zone 4N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: US National Geodetic Survey (NGS) http://www.ngs.noaa.gov/
Revision: 13.03.2007
Proj4 definition: `+proj=utm +zone=4 +ellps=GRS80 +units=m +no_defs`

EPSG 3751, NAD83(HARN) / UTM zone 5N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: US National Geodetic Survey (NGS) http://www.ngs.noaa.gov/
Revision: 13.03.2007
Proj4 definition: `+proj=utm +zone=5 +ellps=GRS80 +units=m +no_defs`

EPSG 3753, NAD83(HARN) / Ohio North (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: State law defines use of US survey feet. Federal definition is metric - see code 2834. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.
Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/
Revision: 29.05.2007
Proj4 definition: `+proj=lcc +lat_1=41.7 +lat_2=40.43333333333333 +lat_0=39.66666666666666 +lon_0=-82.5 +x_0=600000 +y_0=0 +ellps=GRS80 +to_meter=0.3048006096012192 +no_defs`

EPSG 3754, NAD83(HARN) / Ohio South (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: State law defines use of US survey feet. Federal definition is metric - see code 2835. Replaces NAD83 / SPCS for applications with an accuracy of

better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 29.05.2007

Proj4 definition:
```
+proj=lcc +lat_1=40.03333333333333 +lat_2=38.73333333333333
+lat_0=38 +lon_0=-82.5 +x_0=600000 +y_0=0 +ellps=GRS80
+to_meter=0.3048006096012192 +no_defs
```

EPSG 3755, NAD83(HARN) / Wyoming East (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2862. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 20.04.2007

Proj4 definition:
```
+proj=tmerc +lat_0=40.5 +lon_0=-105.1666666666667 +k=0.9999375
+x_0=200000.00001016 +y_0=0 +ellps=GRS80
+to_meter=0.3048006096012192 +no_defs
```

EPSG 3756, NAD83(HARN) / Wyoming East Central (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2863. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 20.04.2007

Proj4 definition:
```
+proj=tmerc +lat_0=40.5 +lon_0=-107.3333333333333 +k=0.9999375
+x_0=399999.99998984 +y_0=99999.99998983997 +ellps=GRS80
+to_meter=0.3048006096012192 +no_defs
```

EPSG 3757, NAD83(HARN) / Wyoming West Central (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2864. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 20.04.2007

Proj4 definition:
```
+proj=tmerc +lat_0=40.5 +lon_0=-108.75 +k=0.9999375 +x_0=600000
+y_0=0 +ellps=GRS80 +to_meter=0.3048006096012192 +no_defs
```

EPSG 3758, NAD83(HARN) / Wyoming West (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. Federal definition is metric - see code 2865. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 20.04.2007

Proj4 definition:
```
+proj=tmerc +lat_0=40.5 +lon_0=-110.0833333333333 +k=0.9999375
+x_0=800000.0000101599 +y_0=99999.99998983997 +ellps=GRS80
+to_meter=0.3048006096012192 +no_defs
```

EPSG 3759, NAD83 / Hawaii zone 3 (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey of Honolulu County.

Remarks: State has no law defining grid unit; system therefore not recognised by Federal authorities. For applications with an accuracy of better than 3ft, replaced by NAD83(HARN) / SPCS.

Source: City and County of Honolulu, http://www.honoluludpp.org

Revision: 20.04.2007

Proj4 definition:
```
+proj=tmerc +lat_0=21.16666666666667 +lon_0=-158 +k=0.99999
+x_0=500000.00001016 +y_0=0 +ellps=GRS80 +datum=NAD83
+to_meter=0.3048006096012192 +no_defs
```

EPSG 3760, NAD83(HARN) / Hawaii zone 3 (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey of Honolulu County.

Remarks: State has no law defining grid unit; system therefore not recognised by Federal authorities. Replaces NAD83 / SPCS for applications with an accuracy of better than 3ft.

Source: City and County of Honolulu, http://www.honoluludpp.org

Revision: 20.04.2007

Proj4 definition:
```
+proj=tmerc +lat_0=21.16666666666667 +lon_0=-158 +k=0.99999
+x_0=500000.00001016 +y_0=0 +ellps=GRS80
+to_meter=0.3048006096012192 +no_defs
```

EPSG 3761, NAD83(CSRS) / UTM zone 22N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: Geomatics Canada. http://ess.nrcan.gc.ca/geocan/

Revision: 29.05.2007

Proj4 definition: `+proj=utm +zone=22 +ellps=GRS80 +units=m +no_defs`

EPSG 3762, WGS 84 / South Georgia Lambert

Scope: GIS

Remarks:

Source: British Antarctic Survey.

Revision: 06.07.2007

Proj4 definition:
```
+proj=lcc +lat_1=-54 +lat_2=-54.75 +lat_0=-55 +lon_0=-37 +x_0=0
+y_0=0 +ellps=WGS84 +datum=WGS84 +units=m +no_defs
```

EPSG 3763, ETRS89 / Portugal TM06

Scope: Medium scale topographic mapping.

Remarks:

Source: Instituto Geográfico Português (IGP).

Revision: 15.08.2007

Proj4 definition:
```
+proj=tmerc +lat_0=39.66825833333333 +lon_0=-8.133108333333334
+k=1 +x_0=0 +y_0=0 +ellps=GRS80 +units=m +no_defs
```

EPSG 3764, NZGD2000 / Chatham Island Circuit 2000

Scope: Cadastral surveys.

Remarks: Officially withdrawn on 6 June 2006. Should not be used for new datasets. Replaced by NZGD2000 / Chatham Island TM 2000 (CRS code 3793).

Source: Land Information New Zealand, OSG Policy Document 996; November 1999.

Revision: 20.06.2011

Proj4 definition:
```
+proj=tmerc +lat_0=-44 +lon_0=-176.5 +k=1 +x_0=400000 +y_0=800000
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3765, HTRS96 / Croatia TM

Scope: Cadastral surveys, large scale topographic mapping, engineering survey.

Remarks:

Source: State Geodetic Administration of the Republic of Croatia.

Revision: 29.09.2007

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=16.5 +k=0.9999 +x_0=500000 +y_0=0
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3766, HTRS96 / Croatia LCC

Scope: Cadastral surveys, large scale topographic mapping, engineering survey.

Remarks:

Source: State Geodetic Administration of the Republic of Croatia.

Revision: 29.09.2007

Proj4 definition:
```
+proj=lcc +lat_1=45.91666666666666 +lat_2=43.08333333333334
+lat_0=0 +lon_0=16.5 +x_0=0 +y_0=0 +ellps=GRS80
+towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3767, HTRS96 / UTM zone 33N

Scope: Military survey.

Remarks:

Source: State Geodetic Administration of the Republic of Croatia.

Revision: 29.09.2007

Proj4 definition:
```
+proj=utm +zone=33 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m
+no_defs
```

EPSG 3768, HTRS96 / UTM zone 34N

Scope: Military survey.

Remarks:

Source: State Geodetic Administration of the Republic of Croatia.

Revision: 29.09.2007

Proj4 definition:
```
+proj=utm +zone=34 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m
+no_defs
```

EPSG 3769, Bermuda 1957 / UTM zone 20N

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks: Replaced by BDA2000 / Bermuda 2000 National Grid (alias BNG2000) (CRS code 3770).

Source: Department of Lands Buildings and Surveys.

Revision: 12.12.2007

Proj4 definition: `+proj=utm +zone=20 +ellps=clrk66 +units=m +no_defs`

EPSG 3770, BDA2000 / Bermuda 2000 National Grid

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks: Replaces Bermuda 1957 / UTM zone 20N (alias Bermuda National Grid) CRS code 3769).

Source: Department of Lands Buildings and Surveys.

Revision: 12.12.2007

Proj4 definition: `+proj=tmerc +lat_0=32 +lon_0=-64.75 +k=1 +x_0=550000 +y_0=100000 +ellps=WGS84 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3771, NAD27 / Alberta 3TM ref merid 111 W

Scope: Cadastre, survey control and engineering survey in urban areas, typically in all municipalities that previously comprised the 73 Municipal Integrated Surveying and Mapping (MISAM) areas, also known as urban cadastral map areas. For rural areas use UTM.

Remarks: If used for rural area control markers, area of use is amended to east of 112°W; however use of NAD27 / UTM zone 12N (CRS code 26712) is encouraged in these rural areas.

Source: Alberta SRD Lands Branch, Geodetic Fact Sheets 2, 6 and 10. http://www.srd.gov.ab.ca/lands

Revision: 23.06.2008

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-111 +k=0.9999 +x_0=0 +y_0=0 +ellps=clrk66 +datum=NAD27 +units=m +no_defs`

EPSG 3772, NAD27 / Alberta 3TM ref merid 114 W

Scope: Cadastre, survey control and engineering survey in urban areas, typically in all municipalities that previously comprised the 73 Municipal Integrated Surveying and Mapping (MISAM) areas, also known as urban cadastral map areas. For rural areas use UTM.

Remarks: If used for rural area control markers, area of use is amended to between 116°W and 112°W; however use of NAD27 / UTM zones 11N and 12N (CRS codes 26711 and 26712) is encouraged in these rural areas.

Source: Alberta SRD Lands Branch, Geodetic Fact Sheets 2, 6 and 10. http://www.srd.gov.ab.ca/lands

Revision: 23.06.2008

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-114 +k=0.9999 +x_0=0 +y_0=0 +ellps=clrk66 +datum=NAD27 +units=m +no_defs`

EPSG 3773, NAD27 / Alberta 3TM ref merid 117 W

Scope: Cadastre, survey control and engineering survey in urban areas, typically in all municipalities that previously comprised the 73 Municipal Integrated Surveying and Mapping (MISAM) areas, also known as urban cadastral map areas. For rural areas use UTM.

Remarks: If used for rural area control markers, area of use is amended to between 118°W and 116°W; however use of NAD27 / UTM zone 11N (CRS code 26711) is encouraged in these rural areas.

Source: Alberta SRD Lands Branch, Geodetic Fact Sheets 2, 6 and 10. http://www.srd.gov.ab.ca/lands

Revision: 23.06.2008

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-117 +k=0.9999 +x_0=0 +y_0=0 +ellps=clrk66 +datum=NAD27 +units=m +no_defs`

EPSG 3775, NAD83 / Alberta 3TM ref merid 111 W

Scope: Cadastre, survey control and engineering survey in urban areas, typically in all municipalities that previously comprised the 73 Municipal Integrated Surveying and Mapping (MISAM) areas, also known as urban cadastral map areas. For rural areas use UTM.

Remarks: If used for rural area control markers, area of use is amended to east of 112°W; however use of NAD83 / UTM zone 12N (CRS code 26912) is encouraged in these rural areas.

Source: Alberta SRD Lands Branch, Geodetic Fact Sheets 2, 6 and 10. http://www.srd.gov.ab.ca/lands

Revision: 23.06.2008

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-111 +k=0.9999 +x_0=0 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 3776, NAD83 / Alberta 3TM ref merid 114 W

Scope: Cadastre, survey control and engineering survey in urban areas, typically in all municipalities that previously comprised the 73 Municipal Integrated Surveying and Mapping (MISAM) areas, also known as urban cadastral map areas. For rural areas use UTM.

Remarks: If used for rural area control markers, area of use is amended to between 116°W and 112°W; however use of NAD83 / UTM zones 11N and 12N (CRS codes 26911 and 26912) is encouraged in these rural areas.

Source: Alberta SRD Lands Branch, Geodetic Fact Sheets 2, 6 and 10. http://www.srd.gov.ab.ca/lands

Revision: 23.06.2008

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-114 +k=0.9999 +x_0=0 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 3777, NAD83 / Alberta 3TM ref merid 117 W

Scope: Cadastre, survey control and engineering survey in urban areas, typically in all municipalities that previously comprised the 73 Municipal Integrated Surveying and Mapping (MISAM) areas, also known as urban cadastral map areas. For rural areas use UTM.

Remarks: If used for rural area control markers, area of use is amended to between 118°W and 116°W; however use of NAD83 / UTM zone 11N (CRS code 26911) is encouraged in these rural areas.

Source: Alberta SRD Lands Branch, Geodetic Fact Sheets 2, 6 and 10. http://www.srd.gov.ab.ca/lands

Revision: 23.06.2008

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-117 +k=0.9999 +x_0=0 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 3779, NAD83(CSRS) / Alberta 3TM ref merid 111 W

Scope: Cadastre, survey control and engineering survey in urban areas, typically in all municipalities that previously comprised the 73 Municipal Integrated Surveying and Mapping (MISAM) areas, also known as urban cadastral map areas. For rural areas use UTM.

Remarks: If used for rural area control markers, area of use is amended to east of 112°W; however use of NAD83(CSRS) / UTM zone 12N (CRS code 2956) is encouraged in these rural areas.

Source: Alberta SRD Lands Branch, Geodetic Fact Sheets 2, 6 and 10. http://www.srd.gov.ab.ca/lands

Revision: 23.06.2008

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=-111 +k=0.9999 +x_0=0 +y_0=0
+ellps=GRS80 +units=m +no_defs
```

EPSG 3780, NAD83(CSRS) / Alberta 3TM ref merid 114 W

Scope: Cadastre, survey control and engineering survey in urban areas, typically in all municipalities that previously comprised the 73 Municipal Integrated Surveying and Mapping (MISAM) areas, also known as urban cadastral map areas. For rural areas use UTM.

Remarks: If used for rural area control markers, area of use is amended to between 116°W and 112°W; however use of NAD83(CSRS) / UTM zones 11N and 12N (CRS codes 2955 and 2956) is encouraged in these rural areas.

Source: Alberta SRD Lands Branch, Geodetic Fact Sheets 2, 6 and 10. http://www.srd.gov.ab.ca/lands

Revision: 23.06.2008

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=-114 +k=0.9999 +x_0=0 +y_0=0
+ellps=GRS80 +units=m +no_defs
```

EPSG 3781, NAD83(CSRS) / Alberta 3TM ref merid 117 W

Scope: Cadastre, survey control and engineering survey in urban areas, typically in all municipalities that previously comprised the 73 Municipal Integrated Surveying and Mapping (MISAM) areas, also known as urban cadastral map areas. For rural areas use UTM.

Remarks: If used for rural area control markers, area of use is amended to between 118°W and 116°W; however use of NAD83(CSRS) / UTM zone 11N (CRS code 2955) is encouraged in these rural areas.

Source: Alberta SRD Lands Branch, Geodetic Fact Sheets 2, 6 and 10. http://www.srd.gov.ab.ca/lands

Revision: 23.06.2008

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=-117 +k=0.9999 +x_0=0 +y_0=0
+ellps=GRS80 +units=m +no_defs
```

EPSG 3783, Pitcairn 2006 / Pitcairn TM 2006

Scope: Cadastre, topographic mapping and engineering survey.

Remarks: Replaces Pitcairn 1967 / UTM zone 9S (CRS code 3784). For practical purposes may be considered to be WGS 84 / Pitcairn TM 2006.

Source: Pitcairn Island Government.

Revision: 28.01.2008

Proj4
```
+proj=tmerc +lat_0=-25.06855261111111 +lon_0=-130.1129671111111
```

definition: `+k=1 +x_0=14200 +y_0=15500 +ellps=WGS84 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3784, Pitcairn 1967 / UTM zone 9S

Scope: Topographic mapping.

Remarks: Replaced by Pitcairn 2006 / Pitcairn TM 2006 (CRS code 3783).

Source: US Army Corps of Enginners.

Revision: 28.01.2008

Proj4 definition: `+proj=utm +zone=9 +south +ellps=intl +towgs84=185,165,42,0,0,0,0 +units=m +no_defs`

EPSG 3788, NZGD2000 / Auckland Islands TM 2000

Scope: Topographic mapping, cadastral and engineering surveys.

Remarks:

Source: Land Information New Zealand: LINZS25002 Standard for New Zealand Geodetic Datum 2000 Projections; 16 November 2007.

Revision: 04.04.2008

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=166 +k=1 +x_0=3500000 +y_0=10000000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3789, NZGD2000 / Campbell Island TM 2000

Scope: Topographic mapping, cadastral and engineering surveys.

Remarks:

Source: Land Information New Zealand: LINZS25002 Standard for New Zealand Geodetic Datum 2000 Projections; 16 November 2007.

Revision: 04.04.2008

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=169 +k=1 +x_0=3500000 +y_0=10000000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3790, NZGD2000 / Antipodes Islands TM 2000

Scope: Topographic mapping, cadastral and engineering surveys.

Remarks:

Source: Land Information New Zealand: LINZS25002 Standard for New Zealand Geodetic Datum 2000 Projections; 16 November 2007.

Revision: 04.04.2008

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=179 +k=1 +x_0=3500000 +y_0=10000000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3791, NZGD2000 / Raoul Island TM 2000

Scope: Topographic mapping, cadastral and engineering surveys.

Remarks:

Source: Land Information New Zealand: LINZS25002 Standard for New Zealand Geodetic Datum 2000 Projections; 16 November 2007.

Revision: 04.04.2008

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-178 +k=1 +x_0=3500000 +y_0=10000000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3793, NZGD2000 / Chatham Islands TM 2000

Scope: Topographic mapping, cadastral and engineering surveys.

Remarks: Replaces CI1979 / Chatham Islands Map Grid (CRS code 5519) and NZGD2000 / Chatham Islands Circuit 2000 (CRS code 3764).

Source: Land Information New Zealand: LINZS25002 Standard for New Zealand Geodetic Datum 2000 Projections; 16 November 2007.

Revision: 20.06.2011

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=-176.5 +k=1 +x_0=3500000 +y_0=10000000
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3794, Slovenia 1996 / Slovene National Grid

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces D48/GK (CRS code 3787).

Source: Geodetska uprava Republike Slovenije, http://www.gu.gov.si

Revision: 11.04.2008

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=15 +k=0.9999 +x_0=500000 +y_0=-5000000
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 3795, NAD27 / Cuba Norte

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: Institut Cubano di Hidrografia (ICH)

Revision: 11.04.2008

Proj4 definition:
```
+proj=lcc +lat_1=23 +lat_2=21.7 +lat_0=22.35 +lon_0=-81
+x_0=500000 +y_0=280296.016 +ellps=clrk66 +datum=NAD27 +units=m
+no_defs
```

EPSG 3796, NAD27 / Cuba Sur

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: Institut Cubano di Hidrografia (ICH)

Revision: 11.04.2008

Proj4 definition:
```
+proj=lcc +lat_1=21.3 +lat_2=20.13333333333333
+lat_0=20.71666666666667 +lon_0=-76.83333333333333 +x_0=500000
+y_0=229126.939 +ellps=clrk66 +datum=NAD27 +units=m +no_defs
```

EPSG 3797, NAD27 / MTQ Lambert

Scope: Province-wide data management and mapping of road infrastructures.

Remarks: Replaced by NAD83 / MTQ Lambert (CRS code 3798).

Source: Ministère des Transports du Québec, http://www.mtq.gouv.qc.ca

Revision: 25.04.2008

Proj4 definition:
```
+proj=lcc +lat_1=50 +lat_2=46 +lat_0=44 +lon_0=-70 +x_0=800000
+y_0=0 +ellps=clrk66 +datum=NAD27 +units=m +no_defs
```

EPSG 3798, NAD83 / MTQ Lambert

Scope: Province-wide data management and mapping of road infrastructures.

Remarks: Replaces NAD27 / MTQ Lambert (CRS code 3797). For accuracies better tham 1m replaced by NAD83(CSRS) / MTQ Lambert (CRS code 3799).

Source: Ministère des Transports du Québec, http://www.mtq.gouv.qc.ca

Revision: 25.04.2008

Proj4 definition: `+proj=lcc +lat_1=50 +lat_2=46 +lat_0=44 +lon_0=-70 +x_0=800000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 3799, NAD83(CSRS) / MTQ Lambert

Scope: Province-wide data management and mapping of road infrastructures.

Remarks: This CRS may sometimes be called "NAD83 / MTQ Lambert". That is the name of a different system (CRS code 3798). Although the positional differences are not significant for provincial-scale mapping they may be significant for data management.

Source: Ministère des Transports du Québec, http://www.mtq.gouv.qc.ca

Revision: 25.04.2008

Proj4 definition: `+proj=lcc +lat_1=50 +lat_2=46 +lat_0=44 +lon_0=-70 +x_0=800000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 3800, NAD27 / Alberta 3TM ref merid 120 W

Scope: Cadastre, survey control and engineering survey in urban areas, typically in all municipalities that previously comprised the 73 Municipal Integrated Surveying and Mapping (MISAM) areas, also known as urban cadastral map areas. For rural areas use UTM.

Remarks: If used for rural area control markers, area of use is amended to west of 118°W; however use of NAD27 / UTM zone 11N (CRS code 26711) encouraged in these rural areas.

Source: Alberta SRD Lands Branch, Geodetic Fact Sheets 2, 6 and 10. http://www.srd.gov.ab.ca/lands

Revision: 24.06.2008

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-120 +k=0.9999 +x_0=0 +y_0=0 +ellps=clrk66 +datum=NAD27 +units=m +no_defs`

EPSG 3801, NAD83 / Alberta 3TM ref merid 120 W

Scope: Cadastre, survey control and engineering survey in urban areas, typically in all municipalities that previously comprised the 73 Municipal Integrated Surveying and Mapping (MISAM) areas, also known as urban cadastral map areas. For rural areas use UTM.

Remarks: If used for rural area control markers, area of use is amended to west of 118°W; however use of NAD83 / UTM zone 11N (CRS code 26911) encouraged in these rural areas.

Source: Alberta SRD Lands Branch, Geodetic Fact Sheets 2, 6 and 10. http://www.srd.gov.ab.ca/lands

Revision: 24.06.2008

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-120 +k=0.9999 +x_0=0 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 3802, NAD83(CSRS) / Alberta 3TM ref merid 120 W

Scope: Cadastre, survey control and engineering survey in urban areas, typically in all municipalities that previously comprised the 73 Municipal Integrated Surveying and Mapping (MISAM) areas, also known as urban cadastral map areas. For rural areas use UTM.

Remarks: If used for rural area control markers, area of use is amended to west of

118°W; however use of NAD83(CSRS) / UTM zone 11N (CRS code 2955) encouraged in these rural areas.

Source: Alberta SRD Lands Branch, Geodetic Fact Sheets 2, 6 and 10. http://www.srd.gov.ab.ca/lands

Revision: 24.06.2008

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=-120 +k=0.9999 +x_0=0 +y_0=0
+ellps=GRS80 +units=m +no_defs
```

EPSG 3812, ETRS89 / Belgian Lambert 2008

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces ETRS89 / Lambert 2005 (code 3447). Coordinates referenced to ETRS89 / Lambert 2008 differ from coordinates referenced to BD72 / Lambert 1972 (CRS code 31370) by approximately 500km in easting and northing.

Source: IGN Brussels; www.ngi.be/

Revision: 05.08.2008

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=-120 +k=0.9999 +x_0=0 +y_0=0
+ellps=GRS80 +units=m +no_defs
```

EPSG 3814, NAD83 / Mississippi TM

Scope: Development and storage of geographic data for whole State in single projected system.

Remarks: For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / Mississippi TM (code 3815).

Source: Mississippi Department of Transportation / Mississippi Automated Resource Information System (MARIS), http://www.maris.state.ms.us/

Revision: 05.08.2008

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=-120 +k=0.9999 +x_0=0 +y_0=0
+ellps=GRS80 +units=m +no_defs
```

EPSG 3815, NAD83(HARN) / Mississippi TM

Scope: Development and storage of geographic data for whole State in single projected system.

Remarks: For applications with an accuracy of better than 1m, replaced by NAD83 / Mississippi TM (code 3814). Replaced by NAD83(CSRS2007) / Mississippi TM (CRS code 3816).

Source: Mississippi Department of Transportation / Mississippi Automated Resource Information System (MARIS), http://www.maris.state.ms.us/

Revision: 05.08.2008

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=-120 +k=0.9999 +x_0=0 +y_0=0
+ellps=GRS80 +units=m +no_defs
```

EPSG 3816, NAD83(NSRS2007) / Mississippi TM

Scope: Development and storage of geographic data for whole State in single projected system.

Remarks: Replaces NAD83(HARN) / Mississippi TM (CRS code 3815).

Source: Mississippi Department of Transportation / Mississippi Automated Resource Information System (MARIS), http://www.maris.state.ms.us/

Revision: 05.08.2008

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-120 +k=0.9999 +x_0=0 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 3825, TWD97 / TM2 zone 119

Scope: Topographic and engineering survey.

Remarks: Except for cadastral use, replaces TWD67 / TM2 zone 119 (CRS code 3827).

Source: National Land Surveying and Mapping Center (NLSC), http://www.nlsc.gov.tw

Revision: 13.02.2012

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-120 +k=0.9999 +x_0=0 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 3826, TWD97 / TM2 zone 121

Scope: Topographic and engineering survey.

Remarks: Except for cadastral use, replaces TWD67 / TM2 zone 121 (CRS code 3828).

Source: National Land Surveying and Mapping Center (NLSC), http://www.nlsc.gov.tw

Revision: 11.08.2008

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-120 +k=0.9999 +x_0=0 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 3827, TWD67 / TM2 zone 119

Scope: Cadastral, topographic and engineering survey.

Remarks: Except for cadastral use, replaced by TWD97 / TM2 zone 119 (CRS code 3825).

Source: National Land Surveying and Mapping Center (NLSC), http://www.nlsc.gov.tw

Revision: 11.08.2008

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-120 +k=0.9999 +x_0=0 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 3828, TWD67 / TM2 zone 121

Scope: Cadastral, topographic and engineering survey.

Remarks: Except for cadastral use, replaced by TWD97 / TM2 zone 121 (CRS code 3826).

Source: National Land Surveying and Mapping Center (NLSC), http://www.nlsc.gov.tw

Revision: 13.02.2012

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-120 +k=0.9999 +x_0=0 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 3829, Hu Tzu Shan 1950 / UTM zone 51N

Scope: Military mapping.

Remarks:

Source: OGP

Revision: 30.03.2010

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-120 +k=0.9999 +x_0=0 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 3832, WGS 84 / PDC Mercator

Scope: Small scale mapping and analysis.

Remarks:

Source: Pacific Disaster Center, Kihei, Hawaii, USA.

Revision: 10.09.2008

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-120 +k=0.9999 +x_0=0 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 3833, Pulkovo 1942(58) / Gauss-Kruger zone 2

Scope: Military medium scale (1/10000 and smaller) topographic mapping and survey.

Remarks: Replaced by Pulkovo 1942(83) / Gauss-Kruger zone 2 (CRS code 3834). See CRS code 5631 for variant with axes order reversed to easting before northing for use in GIS applications.

Source: Various industry sources.

Revision: 21.01.2012

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-120 +k=0.9999 +x_0=0 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 3834, Pulkovo 1942(83) / Gauss-Kruger zone 2

Scope: Military medium scale (1/10000 and smaller) topographic mapping and survey.

Remarks: Replaces Pulkovo 1942(58) / Gauss-Kruger zone 2 (CRS code 3833). See CRS code 5664 for variant with axes order reversed to easting before northing for use in GIS applications.

Source: Various industry sources.

Revision: 21.01.2012

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-120 +k=0.9999 +x_0=0 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 3835, Pulkovo 1942(83) / Gauss-Kruger zone 3

Scope: Military medium scale (1/10000 and smaller) topographic mapping and survey.

Remarks: Replaces Pulkovo 1942(58) / Gauss-Kruger zone 3 (CRS code 3333). See CRS code 5665 for variant with axes order reversed to easting before northing for use in GIS applications.

Source: Various industry sources.

Revision: 21.01.2012

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-120 +k=0.9999 +x_0=0 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 3836, Pulkovo 1942(83) / Gauss-Kruger zone 4

Scope: Military medium scale (1/10000 and smaller) topographic mapping and survey.

Remarks: Replaces Pulkovo 1942(58) / Gauss-Kruger zone 4 (CRS code 3334).

Source: Various industry sources.

Revision: 24.09.2008

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-120 +k=0.9999 +x_0=0 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 3837, Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 3

Scope: Military large scale (1/5000 and larger) topographic mapping.

Remarks: Replaced by Pulkovo 1942(83) / 3-degree Gauss-Kruger zone 3 (CRS code 2397). See CRS code 5670 for variant with axes order reversed to easting before northing for use in GIS applications.

Source: OGP

Revision: 21.01.2012

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-120 +k=0.9999 +x_0=0 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 3838, Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 4

Scope: Military large scale (1/5000 and larger) topographic mapping.

Remarks: Replaced by Pulkovo 1942(83) / 3-degree Gauss-Kruger zone 4 (CRS code 2398). See CRS code 5671 for variant with axes order reversed to easting before northing for use in GIS applications.

Source: OGP

Revision: 21.01.2012

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-120 +k=0.9999 +x_0=0 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 3839, Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 9

Scope: Military large scale (1/5000 and larger) topographic mapping.

Remarks:

Source: OGP

Revision: 24.09.2008

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-120 +k=0.9999 +x_0=0 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 3840, Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 10

Scope: Military large scale (1/5000 and larger) topographic mapping.

Remarks:

Source: OGP

Revision: 24.09.2008

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-120 +k=0.9999 +x_0=0 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 3841, Pulkovo 1942(83) / 3-degree Gauss-Kruger zone 6

Scope: Military large scale (1/5000 and larger) topographic mapping.

Remarks: Replaces Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 6 (CRS code 3330).

Source: OGP

Revision: 04.07.2009

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-120 +k=0.9999 +x_0=0 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 3844, Pulkovo 1942(58) / Stereo70

Scope: Non-military large and medium scale topographic mapping and engineering survey.

Remarks:

Source: ANCPI

Revision: 24.09.2008

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-120 +k=0.9999 +x_0=0 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 3845, SWEREF99 / RT90 7.5 gon V emulation

Scope: User-defined CRS in GPS receiver.

Remarks: Approximates RT90 7.5 gon V (CRS code 3019) to an accuracy of 0.2m.

Source: Lantmateriverket (National Land Survey of Sweden). http://www.lantmateriet.se

Revision: 18.02.2010

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-120 +k=0.9999 +x_0=0 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 3846, SWEREF99 / RT90 5 gon V emulation

Scope: User-defined CRS in GPS receiver.

Remarks: Approximates RT90 5 gon V (CRS code 3020) to an accuracy of 0.2m.

Source: Lantmateriverket (National Land Survey of Sweden). http://www.lantmateriet.se

Revision: 18.02.2010

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-120 +k=0.9999 +x_0=0 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 3847, SWEREF99 / RT90 2.5 gon V emulation

Scope: User-defined CRS in GPS receiver.

Remarks: Approximates RT90 2.5 gon V (CRS code 3021) to an accuracy of 0.2m.

Source: Lantmateriverket (National Land Survey of Sweden). http://www.lantmateriet.se

Revision: 18.02.2010

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-120 +k=0.9999 +x_0=0 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 3848, SWEREF99 / RT90 0 gon emulation

Scope: User-defined CRS in GPS receiver.

Remarks: Approximates RT90 0 gon (CRS code 3022) to an accuracy of 0.2m.

Source: Lantmateriverket (National Land Survey of Sweden). http://www.lantmateriet.se

Revision: 18.02.2010

Proj4 `+proj=tmerc +lat_0=0 +lon_0=-120 +k=0.9999 +x_0=0 +y_0=0`

definition: `+ellps=GRS80 +units=m +no_defs`

EPSG 3849, SWEREF99 / RT90 2.5 gon O emulation

Scope: User-defined CRS in GPS receiver.

Remarks: Approximates RT90 2.5 gon O (CRS code 3023) to an accuracy of 0.2m.

Source: Lantmateriverket (National Land Survey of Sweden). http://www.lantmateriet.se

Revision: 18.02.2010

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=-120 +k=0.9999 +x_0=0 +y_0=0
+ellps=GRS80 +units=m +no_defs
```

EPSG 3850, SWEREF99 / RT90 5 gon O emulation

Scope: User-defined CRS in GPS receiver.

Remarks: Approximates RT90 5 gon O (CRS code 3024) to an accuracy of 0.2m.

Source: Lantmateriverket (National Land Survey of Sweden). http://www.lantmateriet.se

Revision: 18.02.2010

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=-120 +k=0.9999 +x_0=0 +y_0=0
+ellps=GRS80 +units=m +no_defs
```

EPSG 3920, Puerto Rico / UTM zone 20N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: NAD27 / UTM zone 20N (code 26720) used for military purposes. In 2002 replaced by NAD83 / UTM zone 20N (CRS code 26920).

Source: Ordnance Survey of Great Britain

Revision: 05.09.2009

Proj4 definition:
```
+proj=utm +zone=20 +ellps=clrk66 +towgs84=11,72,-101,0,0,0,0
+units=m +no_defs
```

EPSG 3942, RGF93 / CC42

Scope: Cadastral and engineering survey.

Remarks:

Source: IGN Paris

Revision: 04.04.2008

Proj4 definition:
```
+proj=lcc +lat_1=41.25 +lat_2=42.75 +lat_0=42 +lon_0=3
+x_0=1700000 +y_0=1200000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0
+units=m +no_defs
```

EPSG 3943, RGF93 / CC43

Scope: Cadastral and engineering survey.

Remarks:

Source: IGN Paris

Revision: 04.04.2008

Proj4 definition:
```
+proj=lcc +lat_1=42.25 +lat_2=43.75 +lat_0=43 +lon_0=3
+x_0=1700000 +y_0=2200000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0
+units=m +no_defs
```

EPSG 3944, RGF93 / CC44

Scope: Cadastral and engineering survey.

Remarks:
Source: IGN Paris
Revision: 04.04.2008
Proj4 definition: +proj=lcc +lat_1=43.25 +lat_2=44.75 +lat_0=44 +lon_0=3 +x_0=1700000 +y_0=3200000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs

EPSG 3945, RGF93 / CC45

Scope: Cadastral and engineering survey.
Remarks:
Source: IGN Paris
Revision: 04.04.2008
Proj4 definition: +proj=lcc +lat_1=44.25 +lat_2=45.75 +lat_0=45 +lon_0=3 +x_0=1700000 +y_0=4200000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs

EPSG 3946, RGF93 / CC46

Scope: Cadastral and engineering survey.
Remarks:
Source: IGN Paris
Revision: 04.04.2008
Proj4 definition: +proj=lcc +lat_1=45.25 +lat_2=46.75 +lat_0=46 +lon_0=3 +x_0=1700000 +y_0=5200000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs

EPSG 3947, RGF93 / CC47

Scope: Cadastral and engineering survey.
Remarks:
Source: IGN Paris
Revision: 04.04.2008
Proj4 definition: +proj=lcc +lat_1=46.25 +lat_2=47.75 +lat_0=47 +lon_0=3 +x_0=1700000 +y_0=6200000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs

EPSG 3948, RGF93 / CC48

Scope: Cadastral and engineering survey.
Remarks:
Source: IGN Paris
Revision: 04.04.2008
Proj4 definition: +proj=lcc +lat_1=47.25 +lat_2=48.75 +lat_0=48 +lon_0=3 +x_0=1700000 +y_0=7200000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs

EPSG 3949, RGF93 / CC49

Scope: Cadastral and engineering survey.
Remarks:
Source: IGN Paris
Revision: 04.04.2008
Proj4 +proj=lcc +lat_1=48.25 +lat_2=49.75 +lat_0=49 +lon_0=3

definition: `+x_0=1700000 +y_0=8200000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3950, RGF93 / CC50

Scope: Cadastral and engineering survey.

Remarks:

Source: IGN Paris

Revision: 04.04.2008

Proj4 definition: `+proj=lcc +lat_1=49.25 +lat_2=50.75 +lat_0=50 +lon_0=3 +x_0=1700000 +y_0=9200000 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 3991, Puerto Rico State Plane CS of 1927

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Sometimes erroneously referred to as NAD27 / Puerto Rico State Plane CS.

Source: US National Geodetic Survey

Revision: 05.09.2009

Proj4 definition: `+proj=lcc +lat_1=18.43333333333333 +lat_2=18.03333333333333 +lat_0=17.83333333333333 +lon_0=-66.43333333333334 +x_0=152400.3048006096 +y_0=0 +ellps=clrk66 +towgs84=11,72,-101,0,0,0,0 +to_meter=0.3048006096012192 +no_defs`

EPSG 3992, Puerto Rico / St. Croix

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Sometimes erroneously referred to as NAD27 / St. Croix State Plane CS.

Source: US National Geodetic Survey

Revision: 05.09.2009

Proj4 definition: `+proj=lcc +lat_1=18.43333333333333 +lat_2=18.03333333333333 +lat_0=17.83333333333333 +lon_0=-66.43333333333334 +x_0=152400.3048006096 +y_0=30480.06096012192 +ellps=clrk66 +towgs84=11,72,-101,0,0,0,0 +to_meter=0.3048006096012192 +no_defs`

EPSG 3993, Guam 1963 / Guam SPCS

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks: Replaced by NAD83(HARN) / Guam Map Grid (CRS code 4414) from 1995.

Source: US National Geodetic Survey

Revision: 29.07.2009

Proj4 definition: `+proj=lcc +lat_1=18.43333333333333 +lat_2=18.03333333333333 +lat_0=17.83333333333333 +lon_0=-66.43333333333334 +x_0=152400.3048006096 +y_0=30480.06096012192 +ellps=clrk66 +towgs84=11,72,-101,0,0,0,0 +to_meter=0.3048006096012192 +no_defs`

EPSG 3994, WGS 84 / Mercator 41

Scope: Medium and small scale mapping.

Remarks:

Source: New Zealand National Institute for Water and Atmospheric Research

Revision: 19.09.2008

Proj4 definition: `+proj=lcc +lat_1=18.43333333333333 +lat_2=18.03333333333333 +lat_0=17.83333333333333 +lon_0=-66.43333333333334 +x_0=152400.3048006096 +y_0=30480.06096012192 +ellps=clrk66`

```
+towgs84=11,72,-101,0,0,0,0 +to_meter=0.3048006096012192 +no_defs
```

EPSG 3995, WGS 84 / Arctic Polar Stereographic

Scope: Used to serve the bathymetry of the Arctic Region as image tiles in a Web Mapping Service.

Remarks:

Source: Lamont-Doherty Earth Observatory of Columbia University.

Revision: 19.09.2008

Proj4 definition:
```
+proj=lcc +lat_1=18.43333333333333 +lat_2=18.03333333333333
+lat_0=17.83333333333333 +lon_0=-66.43333333333334
+x_0=152400.3048006096 +y_0=30480.06096012192 +ellps=clrk66
+towgs84=11,72,-101,0,0,0,0 +to_meter=0.3048006096012192 +no_defs
```

EPSG 3996, WGS 84 / IBCAO Polar Stereographic

Scope: Used as the coordinate base for creation of digital terrain models (DTMs) for the International Bathymetric Chart of the Arctic Ocean.

Remarks:

Source: IBCAO Technical Reference and User's Guide; http://www.ngdc.noaa.gov/mgg/bathymetry/arctic/

Revision: 02.10.2008

Proj4 definition:
```
+proj=lcc +lat_1=18.43333333333333 +lat_2=18.03333333333333
+lat_0=17.83333333333333 +lon_0=-66.43333333333334
+x_0=152400.3048006096 +y_0=30480.06096012192 +ellps=clrk66
+towgs84=11,72,-101,0,0,0,0 +to_meter=0.3048006096012192 +no_defs
```

EPSG 3997, WGS 84 / Dubai Local TM

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: Dubai Roads & Transport Authority.

Revision: 01.11.2008

Proj4 definition:
```
+proj=lcc +lat_1=18.43333333333333 +lat_2=18.03333333333333
+lat_0=17.83333333333333 +lon_0=-66.43333333333334
+x_0=152400.3048006096 +y_0=30480.06096012192 +ellps=clrk66
+towgs84=11,72,-101,0,0,0,0 +to_meter=0.3048006096012192 +no_defs
```

EPSG 5819, EPSG topocentric example A

Scope: Example only - fictitious. This example is a special case in which the topocentric origin is exactly on the surface of the ellipsoid.

Remarks: The topocentric CS origin is defined in terms of a geographic 3D CRS. The ellipsoidal coordinates of the topocentric origin form the conversion parameters for deriving topocentric coordinates.

Source: OGP Guidance Note 7-2

Revision: 17.09.2008

Proj4 definition:
```
+proj=lcc +lat_1=18.43333333333333 +lat_2=18.03333333333333
+lat_0=17.83333333333333 +lon_0=-66.43333333333334
+x_0=152400.3048006096 +y_0=30480.06096012192 +ellps=clrk66
+towgs84=11,72,-101,0,0,0,0 +to_meter=0.3048006096012192 +no_defs
```

EPSG 5820, EPSG topocentric example B

Scope: Example only - fictitious.

Remarks: The topocentric CS origin is defined in terms of a geocentric CRS. The

geocentric coordinates of the topocentric origin form the conversion parameters for deriving topocentric coordinates.

Source: OGP Guidance Note 7-2

Revision: 17.09.2008

Proj4 definition:
```
+proj=lcc +lat_1=18.43333333333333 +lat_2=18.03333333333333
+lat_0=17.83333333333333 +lon_0=-66.43333333333334
+x_0=152400.3048006096 +y_0=30480.06096012192 +ellps=clrk66
+towgs84=11,72,-101,0,0,0,0 +to_meter=0.3048006096012192 +no_defs
```

EPSG 5821, EPSG vertical perspective example

Scope: Visualisation. Example only - fictitious.

Remarks: The vertical perspective is based on the topocentric coordinates derived from a geodetic (geographic 3D, as in this example, or geocentric) CRS. Being used for visualisation it is transient in nature.

Source: OGP Guidance Note 7-2

Revision: 17.09.2008

Proj4 definition:
```
+proj=lcc +lat_1=18.43333333333333 +lat_2=18.03333333333333
+lat_0=17.83333333333333 +lon_0=-66.43333333333334
+x_0=152400.3048006096 +y_0=30480.06096012192 +ellps=clrk66
+towgs84=11,72,-101,0,0,0,0 +to_meter=0.3048006096012192 +no_defs
```

EPSG 20004, Pulkovo 1995 / Gauss-Kruger zone 4

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 21E (code 2463).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=21 +k=1 +x_0=4500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 20005, Pulkovo 1995 / Gauss-Kruger zone 5

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 27E (code 2464).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=27 +k=1 +x_0=5500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 20006, Pulkovo 1995 / Gauss-Kruger zone 6

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 33E (code 2465).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4
```
+proj=tmerc +lat_0=0 +lon_0=33 +k=1 +x_0=6500000 +y_0=0
+ellps=krass +units=m +no_defs
```

definition:

EPSG 20007, Pulkovo 1995 / Gauss-Kruger zone 7

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 39E (code 2466).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=39 +k=1 +x_0=7500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 20008, Pulkovo 1995 / Gauss-Kruger zone 8

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 45E (code 2467).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=45 +k=1 +x_0=8500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 20009, Pulkovo 1995 / Gauss-Kruger zone 9

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 51E (code 2468).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=51 +k=1 +x_0=9500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 20010, Pulkovo 1995 / Gauss-Kruger zone 10

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 57E (code 2469).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=57 +k=1 +x_0=10500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 20011, Pulkovo 1995 / Gauss-Kruger zone 11

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 63E (code 2470).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal

Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=63 +k=1 +x_0=11500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 20012, Pulkovo 1995 / Gauss-Kruger zone 12

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 69E (code 2471).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=69 +k=1 +x_0=12500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 20013, Pulkovo 1995 / Gauss-Kruger zone 13

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 75E (code 2472).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=75 +k=1 +x_0=13500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 20014, Pulkovo 1995 / Gauss-Kruger zone 14

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 81E (code 2473).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=81 +k=1 +x_0=14500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 20015, Pulkovo 1995 / Gauss-Kruger zone 15

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 87E (code 2474).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=87 +k=1 +x_0=15500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 20016, Pulkovo 1995 / Gauss-Kruger zone 16

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / Gauss-

Kruger CM 93E (code 2475).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=93 +k=1 +x_0=16500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 20017, Pulkovo 1995 / Gauss-Kruger zone 17

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 99E (code 2476).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=99 +k=1 +x_0=17500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 20018, Pulkovo 1995 / Gauss-Kruger zone 18

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 105E (code 2477).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=105 +k=1 +x_0=18500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 20019, Pulkovo 1995 / Gauss-Kruger zone 19

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 111E (code 2478).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=111 +k=1 +x_0=19500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 20020, Pulkovo 1995 / Gauss-Kruger zone 20

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 117E (code 2479).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=117 +k=1 +x_0=20500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 20021, Pulkovo 1995 / Gauss-Kruger zone 21

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 123E (code 2480).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=123 +k=1 +x_0=21500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 20022, Pulkovo 1995 / Gauss-Kruger zone 22

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 129E (code 2481).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=129 +k=1 +x_0=22500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 20023, Pulkovo 1995 / Gauss-Kruger zone 23

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 135E (code 2482).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=135 +k=1 +x_0=23500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 20024, Pulkovo 1995 / Gauss-Kruger zone 24

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 141E (code 2483).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=141 +k=1 +x_0=24500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 20025, Pulkovo 1995 / Gauss-Kruger zone 25

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 147E (code 2484).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4
```
+proj=tmerc +lat_0=0 +lon_0=147 +k=1 +x_0=25500000 +y_0=0
+ellps=krass +units=m +no_defs
```

definition:

EPSG 20026, Pulkovo 1995 / Gauss-Kruger zone 26

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 153E (code 2485).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=153 +k=1 +x_0=26500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 20027, Pulkovo 1995 / Gauss-Kruger zone 27

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 159E (code 2486).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=159 +k=1 +x_0=27500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 20028, Pulkovo 1995 / Gauss-Kruger zone 28

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 165E (code 2487).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=165 +k=1 +x_0=28500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 20029, Pulkovo 1995 / Gauss-Kruger zone 29

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 171E (code 2488).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=171 +k=1 +x_0=29500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 20030, Pulkovo 1995 / Gauss-Kruger zone 30

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 177E (code 2489).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal

Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=177 +k=1 +x_0=30500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 20031, Pulkovo 1995 / Gauss-Kruger zone 31

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 177W (code 2490).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-177 +k=1 +x_0=31500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 20032, Pulkovo 1995 / Gauss-Kruger zone 32

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 171W (code 2491).

Source: "Main Terms of Reference for the State Geodetic Network"; Federal Geodetic Service of Russia; 1994

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-171 +k=1 +x_0=32500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 20135, Adindan / UTM zone 35N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 16.01.2003

Proj4 definition: `+proj=utm +zone=35 +ellps=clrk80 +units=m +no_defs`

EPSG 20136, Adindan / UTM zone 36N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 16.01.2003

Proj4 definition: `+proj=utm +zone=36 +ellps=clrk80 +units=m +no_defs`

EPSG 20137, Adindan / UTM zone 37N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 16.01.2003

Proj4 definition: `+proj=utm +zone=37 +ellps=clrk80 +units=m +no_defs`

EPSG 20138, Adindan / UTM zone 38N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 16.01.2003
Proj4 definition: `+proj=utm +zone=38 +ellps=clrk80 +units=m +no_defs`

EPSG 20249, AGD66 / AMG zone 49

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=49 +south +ellps=aust_SA +units=m +no_defs`

EPSG 20250, AGD66 / AMG zone 50

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=50 +south +ellps=aust_SA +units=m +no_defs`

EPSG 20251, AGD66 / AMG zone 51

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=51 +south +ellps=aust_SA +units=m +no_defs`

EPSG 20252, AGD66 / AMG zone 52

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=52 +south +ellps=aust_SA +units=m +no_defs`

EPSG 20253, AGD66 / AMG zone 53

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=53 +south +ellps=aust_SA +units=m +no_defs`

EPSG 20254, AGD66 / AMG zone 54

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:

Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=54 +south +ellps=aust_SA +units=m +no_defs

EPSG 20255, AGD66 / AMG zone 55

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=55 +south +ellps=aust_SA +units=m +no_defs

EPSG 20256, AGD66 / AMG zone 56

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 20.07.2011
Proj4 definition: +proj=utm +zone=56 +south +ellps=aust_SA +units=m +no_defs

EPSG 20257, AGD66 / AMG zone 57

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=57 +south +ellps=aust_SA +units=m +no_defs

EPSG 20258, AGD66 / AMG zone 58

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=58 +south +ellps=aust_SA +units=m +no_defs

EPSG 20349, AGD84 / AMG zone 49

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=49 +south +ellps=aust_SA +units=m +no_defs

EPSG 20350, AGD84 / AMG zone 50

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=50 +south +ellps=aust_SA +units=m +no_defs

EPSG 20351, AGD84 / AMG zone 51

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=51 +south +ellps=aust_SA +units=m +no_defs

EPSG 20352, AGD84 / AMG zone 52

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 30.03.2010
Proj4 definition: +proj=utm +zone=52 +south +ellps=aust_SA +units=m +no_defs

EPSG 20353, AGD84 / AMG zone 53

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 30.03.2010
Proj4 definition: +proj=utm +zone=53 +south +ellps=aust_SA +units=m +no_defs

EPSG 20354, AGD84 / AMG zone 54

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 30.03.2010
Proj4 definition: +proj=utm +zone=54 +south +ellps=aust_SA +units=m +no_defs

EPSG 20355, AGD84 / AMG zone 55

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 30.03.2010
Proj4 definition: +proj=utm +zone=55 +south +ellps=aust_SA +units=m +no_defs

EPSG 20356, AGD84 / AMG zone 56

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 30.03.2010
Proj4 definition: +proj=utm +zone=56 +south +ellps=aust_SA +units=m +no_defs

EPSG 20436, Ain el Abd / UTM zone 36N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:

Revision: 12.05.2005

Proj4 definition: `+proj=utm +zone=36 +ellps=intl +units=m +no_defs`

EPSG 20437, Ain el Abd / UTM zone 37N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 12.05.2005

Proj4 definition: `+proj=utm +zone=37 +ellps=intl +units=m +no_defs`

EPSG 20438, Ain el Abd / UTM zone 38N

Scope: Large and medium scale topographic mapping and engineering survey. In Kuwait, oil production (but not exploration - see KOC Lambert, code 24600).

Remarks: Known in Kuwait as "KOC UTM". Used by KOC for engineering but not explorartion (see KOC Lambert, code 24600).

Source:

Revision: 12.05.2005

Proj4 definition: `+proj=utm +zone=38 +ellps=intl +units=m +no_defs`

EPSG 20439, Ain el Abd / UTM zone 39N

Scope: Large and medium scale topographic mapping and engineering survey. In Kuwait, oil production (but not exploration - see KOC Lambert, code 24600).

Remarks: Known in Kuwait as "KOC UTM". Used by KOC for engineering but not explorartion (see KOC Lambert, code 24600).

Source:

Revision: 12.05.2005

Proj4 definition: `+proj=utm +zone=39 +ellps=intl +units=m +no_defs`

EPSG 20440, Ain el Abd / UTM zone 40N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 12.05.2005

Proj4 definition: `+proj=utm +zone=40 +ellps=intl +units=m +no_defs`

EPSG 20499, Ain el Abd / Bahrain Grid

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 21.01.2012

Proj4 definition: `+proj=utm +zone=39 +ellps=intl +units=m +no_defs`

EPSG 20538, Afgooye / UTM zone 38N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=38 +ellps=krass +towgs84=-43,-163,45,0,0,0,0 +units=m +no_defs`

EPSG 20539, Afgooye / UTM zone 39N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=39 +ellps=krass +towgs84=-43,-163,45,0,0,0,0 +units=m +no_defs`

EPSG 20790, Lisbon (Lisbon) / Portuguese National Grid

Scope: Large and medium scale topographic mapping and engineering survey for military purposes.
Remarks:
Source: Geodetic Services Directorate, Instituto Geografico e Cadastral, Lisbon; http://www.igeo.pt/
Revision: 11.11.1998
Proj4 definition: `+proj=tmerc +lat_0=39.66666666666666 +lon_0=1 +k=1 +x_0=200000 +y_0=300000 +ellps=intl +pm=lisbon +units=m +no_defs`

EPSG 20791, Lisbon (Lisbon) / Portuguese Grid

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaced by definition using Greenwich meridian, CRS code 5018.
Source: Geodetic Services Directorate, Instituto Geografico e Cadastral, Lisbon; http://www.igeo.pt/
Revision: 31.03.2010
Proj4 definition: `+proj=tmerc +lat_0=39.66666666666666 +lon_0=1 +k=1 +x_0=0 +y_0=0 +ellps=intl +pm=lisbon +units=m +no_defs`

EPSG 20822, Aratu / UTM zone 22S

Scope: Oil exploration and production.
Remarks:
Source:
Revision: 21.07.1995
Proj4 definition: `+proj=utm +zone=22 +south +ellps=intl +units=m +no_defs`

EPSG 20823, Aratu / UTM zone 23S

Scope: Oil exploration and production.
Remarks:
Source:
Revision: 21.07.1995

Proj4 definition: +proj=utm +zone=23 +south +ellps=intl +units=m +no_defs

EPSG 20824, Aratu / UTM zone 24S

Scope: Oil exploration and production.
Remarks:
Source:
Revision: 21.07.1995
Proj4 definition: +proj=utm +zone=24 +south +ellps=intl +units=m +no_defs

EPSG 20934, Arc 1950 / UTM zone 34S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 13.11.1997
Proj4 definition: +proj=utm +zone=34 +south +a=6378249.145 +b=6356514.966398753 +units=m +no_defs

EPSG 20935, Arc 1950 / UTM zone 35S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 13.11.1997
Proj4 definition: +proj=utm +zone=35 +south +a=6378249.145 +b=6356514.966398753 +units=m +no_defs

EPSG 20936, Arc 1950 / UTM zone 36S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 13.11.1997
Proj4 definition: +proj=utm +zone=36 +south +a=6378249.145 +b=6356514.966398753 +units=m +no_defs

EPSG 21035, Arc 1960 / UTM zone 35S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 13.11.1997
Proj4 definition: +proj=utm +zone=35 +south +ellps=clrk80 +units=m +no_defs

EPSG 21036, Arc 1960 / UTM zone 36S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 13.11.1997
Proj4 definition: +proj=utm +zone=36 +south +ellps=clrk80 +units=m +no_defs

EPSG 21037, Arc 1960 / UTM zone 37S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 13.11.1997
Proj4 definition: `+proj=utm +zone=37 +south +ellps=clrk80 +units=m +no_defs`

EPSG 21095, Arc 1960 / UTM zone 35N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 13.11.1997
Proj4 definition: `+proj=utm +zone=35 +ellps=clrk80 +units=m +no_defs`

EPSG 21096, Arc 1960 / UTM zone 36N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 13.11.1997
Proj4 definition: `+proj=utm +zone=36 +ellps=clrk80 +units=m +no_defs`

EPSG 21097, Arc 1960 / UTM zone 37N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 13.11.1997
Proj4 definition: `+proj=utm +zone=37 +ellps=clrk80 +units=m +no_defs`

EPSG 21148, Batavia / UTM zone 48S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=48 +south +ellps=bessel +units=m +no_defs`

EPSG 21149, Batavia / UTM zone 49S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=49 +south +ellps=bessel +units=m +no_defs`

EPSG 21150, Batavia / UTM zone 50S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=50 +south +ellps=bessel +units=m +no_defs`

EPSG 21291, Barbados 1938 / British West Indies Grid

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks: Replaced by Barbados National Grid (code 21292) from 1983.

Source: Ordnance Survey of Great Britain

Revision: 30.06.2011

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-62 +k=0.9995000000000001 +x_0=400000 +y_0=0 +ellps=clrk80 +towgs84=31.95,300.99,419.19,0,0,0,0 +units=m +no_defs`

EPSG 21292, Barbados 1938 / Barbados National Grid

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks: Replaces Barbados 1938 / BWI Grid (code 21291) from 1983.

Source: Ordnance Survey of Great Britain

Revision: 30.06.2011

Proj4 definition: `+proj=tmerc +lat_0=13.17638888888889 +lon_0=-59.55972222222222 +k=0.9999986 +x_0=30000 +y_0=75000 +ellps=clrk80 +towgs84=31.95,300.99,419.19,0,0,0,0 +units=m +no_defs`

EPSG 21413, Beijing 1954 / Gauss-Kruger zone 13

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Beijing 1954 / Gauss-Kruger CM 75E (code 24153). Replaced by Xian 1980 / Gauss-Kruger zone 13 (code 2327).

Source:

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=75 +k=1 +x_0=13500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 21414, Beijing 1954 / Gauss-Kruger zone 14

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Beijing 1954 / Gauss-Kruger CM 81E (code 24154). Replaced by Xian 1980 / Gauss-Kruger zone 14 (code 2328).

Source:

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=81 +k=1 +x_0=14500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 21415, Beijing 1954 / Gauss-Kruger zone 15

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Beijing 1954 / Gauss-Kruger CM 87E (code 24155). Replaced by Xian 1980 / Gauss-Kruger zone 15 (code 2329).

Source:

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=87 +k=1 +x_0=15500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 21416, Beijing 1954 / Gauss-Kruger zone 16

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Beijing 1954 / Gauss-Kruger CM 93E (code 24156). Replaced by Xian 1980 / Gauss-Kruger zone 16 (code 2330).

Source:

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=93 +k=1 +x_0=16500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 21417, Beijing 1954 / Gauss-Kruger zone 17

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Beijing 1954 / Gauss-Kruger CM 99E (code 24157). Replaced by Xian 1980 / Gauss-Kruger zone 17 (code 2331).

Source:

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=99 +k=1 +x_0=17500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 21418, Beijing 1954 / Gauss-Kruger zone 18

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Beijing 1954 / Gauss-Kruger CM 105E (code 24158). Replaced by Xian 1980 / Gauss-Kruger zone 18 (code 2332).

Source:

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=105 +k=1 +x_0=18500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 21419, Beijing 1954 / Gauss-Kruger zone 19

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Beijing 1954 / Gauss-Kruger CM 111E (code 24159). Replaced by Xian 1980 / Gauss-Kruger zone 19 (code 2333).

Source:

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=111 +k=1 +x_0=19500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 21420, Beijing 1954 / Gauss-Kruger zone 20

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Beijing 1954 / Gauss-Kruger CM 117E (code 24160). Replaced by Xian 1980 / Gauss-Kruger zone 20 (code 2334).

Source:

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=117 +k=1 +x_0=20500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 21421, Beijing 1954 / Gauss-Kruger zone 21

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Beijing 1954 / Gauss-Kruger CM 123E (code 24161). Replaced by Xian 1980 / Gauss-Kruger zone 21 (code 2335).

Source:

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=123 +k=1 +x_0=21500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 21422, Beijing 1954 / Gauss-Kruger zone 22

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Beijing 1954 / Gauss-Kruger CM 129E (code 24162). Replaced by Xian 1980 / Gauss-Kruger zone 22 (code 2336).

Source:

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=129 +k=1 +x_0=22500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 21423, Beijing 1954 / Gauss-Kruger zone 23

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Beijing 1954 / Gauss-Kruger CM 135E (code 24163). Replaced by Xian 1980 / Gauss-Kruger zone 23 (code 2337).

Source:

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=135 +k=1 +x_0=23500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 21453, Beijing 1954 / Gauss-Kruger CM 75E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Beijing 1954 / Gauss-Kruger zone 13 (code 21413). Replaced by Xian 1980 / Gauss-Kruger CM 75E (code 2338).

Source:

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=75 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 21454, Beijing 1954 / Gauss-Kruger CM 81E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Beijing 1954 / Gauss-Kruger zone 14 (code 21414). Replaced by Xian 1980 / Gauss-Kruger CM 81E (code 2339).

Source:

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=81 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 21455, Beijing 1954 / Gauss-Kruger CM 87E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Beijing 1954 / Gauss-Kruger zone 15 (code 21415). Replaced by Xian 1980 / Gauss-Kruger CM 87E (code 2340).

Source:

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=87 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 21456, Beijing 1954 / Gauss-Kruger CM 93E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Beijing 1954 / Gauss-Kruger zone 16 (code 21416). Replaced by Xian 1980 / Gauss-Kruger CM 93E (code 2341).

Source:

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=93 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 21457, Beijing 1954 / Gauss-Kruger CM 99E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Beijing 1954 / Gauss-Kruger zone 17 (code 21417). Replaced by Xian 1980 / Gauss-Kruger CM 99E (code 2342).

Source:

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=99 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 21458, Beijing 1954 / Gauss-Kruger CM 105E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Beijing 1954 / Gauss-Kruger zone 18 (code 21418). Replaced by Xian 1980 / Gauss-Kruger CM 105E (code 2343).

Source:

Revision: 22.06.2002

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=105 +k=1 +x_0=500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 21459, Beijing 1954 / Gauss-Kruger CM 111E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Beijing 1954 / Gauss-Kruger zone 19 (code 21419).

Replaced by Xian 1980 / Gauss-Kruger CM 111E (code 2344).

Source:

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=111 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 21460, Beijing 1954 / Gauss-Kruger CM 117E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Beijing 1954 / Gauss-Kruger zone 20 (code 21420). Replaced by Xian 1980 / Gauss-Kruger CM 117E (code 2345).

Source:

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=117 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 21461, Beijing 1954 / Gauss-Kruger CM 123E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Beijing 1954 / Gauss-Kruger zone 21 (code 21421). Replaced by Xian 1980 / Gauss-Kruger CM 123E (code 2346).

Source:

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=123 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 21462, Beijing 1954 / Gauss-Kruger CM 129E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Beijing 1954 / Gauss-Kruger zone 22 (code 21422). Replaced by Xian 1980 / Gauss-Kruger CM 129E (code 2347).

Source:

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=129 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 21463, Beijing 1954 / Gauss-Kruger CM 135E

Scope: Medium scale topographic mapping.

Remarks: Truncated form of Beijing 1954 / Gauss-Kruger zone 33 (code 21423). Replaced by Xian 1980 / Gauss-Kruger CM 135E (code 2348).

Source:

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=135 +k=1 +x_0=500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 21500, Belge 1950 (Brussels) / Belge Lambert 50

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced by Belge 1972 / Belge Lambert 72 (code 31300) and Belge 1972 / Belgian Lambert 72 (code 31370).

Source:

Revision: 11.04.1997

Proj4 definition:
```
+proj=lcc +lat_1=49.83333333333334 +lat_2=51.16666666666666
+lat_0=90 +lon_0=0 +x_0=150000 +y_0=5400000 +ellps=intl
+pm=brussels +units=m +no_defs
```

EPSG 21780, Bern 1898 (Bern) / LV03C

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: In Switzerland, replaced by CH1903 / LV03 (CRS code 21781). For use in Liechtenstein may be implemented through Greenwich based equivalent CRS code 21782.

Source: Swiss Federal Office of Topography.

Revision: 24.09.2008

Proj4 definition:
```
+proj=somerc +lat_0=46.95240555555556 +lon_0=0 +k_0=1 +x_0=0 +y_0=0
+ellps=bessel +pm=bern +units=m +no_defs
```

EPSG 21781, CH1903 / LV03

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks: Replaces LV03C (CRS code 21780) in Switzerland, but used only occasionally in Liechtenstein. Replaced by CH1903+ / LV95 (CRS code 2056).

Source: Swiss Federal Office of Topography.

Revision: 24.09.2008

Proj4 definition:
```
+proj=somerc +lat_0=46.95240555555556 +lon_0=7.439583333333333
+k_0=1 +x_0=600000 +y_0=200000 +ellps=bessel
+towgs84=674.374,15.056,405.346,0,0,0,0 +units=m +no_defs
```

EPSG 21782, CH1903 / LV03C-G

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks: Greenwich-based equivalent of LV03C (CRS code 21780).

Source: Swiss Federal Office of Topography.

Revision: 24.09.2008

Proj4 definition:
```
+proj=somerc +lat_0=46.95240555555556 +lon_0=7.439583333333333
+k_0=1 +x_0=600000 +y_0=200000 +ellps=bessel
+towgs84=674.374,15.056,405.346,0,0,0,0 +units=m +no_defs
```

EPSG 21818, Bogota 1975 / UTM zone 18N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 19.10.2000

Proj4 definition:
```
+proj=utm +zone=18 +ellps=intl +towgs84=307,304,-318,0,0,0,0
+units=m +no_defs
```

EPSG 21896, Bogota 1975 / Colombia West zone

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced by MAGNA-SIRGAS / Colombia West zone (CRS code 3114).

Source:

Revision: 27.04.2005

Proj4 definition: `+proj=tmerc +lat_0=4.599047222222222 +lon_0=-77.08091666666667 +k=1 +x_0=1000000 +y_0=1000000 +ellps=intl +towgs84=307,304,-318,0,0,0,0 +units=m +no_defs`

EPSG 21897, Bogota 1975 / Colombia Bogota zone

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced by MAGNA-SIRGAS / Colombia Bogota zone (CRS code 3116).

Source:

Revision: 27.04.2005

Proj4 definition: `+proj=tmerc +lat_0=4.599047222222222 +lon_0=-74.08091666666667 +k=1 +x_0=1000000 +y_0=1000000 +ellps=intl +towgs84=307,304,-318,0,0,0,0 +units=m +no_defs`

EPSG 21898, Bogota 1975 / Colombia East Central zone

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced by MAGNA-SIRGAS / Colombia East Central zone (CRS code 3117).

Source:

Revision: 27.04.2005

Proj4 definition: `+proj=tmerc +lat_0=4.599047222222222 +lon_0=-71.08091666666667 +k=1 +x_0=1000000 +y_0=1000000 +ellps=intl +towgs84=307,304,-318,0,0,0,0 +units=m +no_defs`

EPSG 21899, Bogota 1975 / Colombia East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced by MAGNA-SIRGAS / Colombia East zone (CRS code 3118).

Source:

Revision: 27.04.2005

Proj4 definition: `+proj=tmerc +lat_0=4.599047222222222 +lon_0=-68.08091666666667 +k=1 +x_0=1000000 +y_0=1000000 +ellps=intl +towgs84=307,304,-318,0,0,0,0 +units=m +no_defs`

EPSG 22032, Camacupa / UTM zone 32S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 13.11.1997

Proj4 definition: `+proj=utm +zone=32 +south +ellps=clrk80 +units=m +no_defs`

EPSG 22033, Camacupa / UTM zone 33S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 13.11.1997

Proj4 definition: `+proj=utm +zone=33 +south +ellps=clrk80 +units=m +no_defs`

EPSG 22091, Camacupa / TM 11.30 SE

Scope: Oil exploration by Esso Angola offshore blocks 15 and 24.

Remarks:

Source: Esso Angola

Revision: 11.11.1998

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=11.5 +k=0.9996 +x_0=500000 +y_0=10000000 +ellps=clrk80 +units=m +no_defs`

EPSG 22092, Camacupa / TM 12 SE

Scope: Oil exploration by Shell Angola for offshore blocks 1 and 16 and by BP, Total and ExxonMobil for offshore blocks 31-33.

Remarks: Used for exploration and production geoscience activity. Note: WGS 84 / TM 12 SE (CRS code 5842) used for Angola LNG project.

Source: Shell Angola

Revision: 08.05.2012

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=12 +k=0.9996 +x_0=500000 +y_0=10000000 +ellps=clrk80 +units=m +no_defs`

EPSG 22171, POSGAR 98 / Argentina 1

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced POSGAR 94 / Argentina 1 for many practical purposes (but not as the legal system) until May 2009. POSGAR 94 / Argentina 1 was officially replaced by POSGAR 2007 / Argentina 1 in May 2009.

Source: Total Argentina.

Revision: 28.03.2011

Proj4 definition: `+proj=tmerc +lat_0=-90 +lon_0=-72 +k=1 +x_0=1500000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 22172, POSGAR 98 / Argentina 2

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced POSGAR 94 / Argentina 2 for many practical purposes (but not as the legal system) until May 2009. POSGAR 94 / Argentina 2 was officially replaced by POSGAR 2007 / Argentina 2 in May 2009.

Source: Total Argentina.

Revision: 28.03.2011

Proj4 definition: `+proj=tmerc +lat_0=-90 +lon_0=-69 +k=1 +x_0=2500000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 22173, POSGAR 98 / Argentina 3

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced POSGAR 94 / Argentina 3 for many practical purposes (but not as the legal system) until May 2009. POSGAR 94 / Argentina 3 was officially replaced by POSGAR 2007 / Argentina 3 in May 2009.

Source: Total Argentina.

Revision: 28.03.2011

Proj4 definition: `+proj=tmerc +lat_0=-90 +lon_0=-66 +k=1 +x_0=3500000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 22174, POSGAR 98 / Argentina 4

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced POSGAR 94 / Argentina 4 for many practical purposes (but not as the legal system) until May 2009. POSGAR 94 / Argentina 4 was officially replaced by POSGAR 2007 / Argentina 4 in May 2009.

Source: Total Argentina.

Revision: 28.03.2011

Proj4 definition:
```
+proj=tmerc +lat_0=-90 +lon_0=-63 +k=1 +x_0=4500000 +y_0=0
+ellps=GRS80 +units=m +no_defs
```

EPSG 22175, POSGAR 98 / Argentina 5

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced POSGAR 94 / Argentina 5 for many practical purposes (but not as the legal system) until May 2009. POSGAR 94 / Argentina 5 was officially replaced by POSGAR 2007 / Argentina 5 in May 2009.

Source: Total Argentina.

Revision: 28.03.2011

Proj4 definition:
```
+proj=tmerc +lat_0=-90 +lon_0=-60 +k=1 +x_0=5500000 +y_0=0
+ellps=GRS80 +units=m +no_defs
```

EPSG 22176, POSGAR 98 / Argentina 6

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced POSGAR 94 / Argentina 6 for many practical purposes (but not as the legal system) until May 2009. POSGAR 94 / Argentina 6 was officially replaced by POSGAR 2007 / Argentina 6 in May 2009.

Source: Total Argentina.

Revision: 28.03.2011

Proj4 definition:
```
+proj=tmerc +lat_0=-90 +lon_0=-57 +k=1 +x_0=6500000 +y_0=0
+ellps=GRS80 +units=m +no_defs
```

EPSG 22177, POSGAR 98 / Argentina 7

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced POSGAR 94 / Argentina 7 for many practical purposes (but not as the legal system) until May 2009. POSGAR 94 / Argentina 7 was officially replaced by POSGAR 2007 / Argentina 7 in May 2009.

Source: Total Argentina.

Revision: 28.03.2011

Proj4 definition:
```
+proj=tmerc +lat_0=-90 +lon_0=-54 +k=1 +x_0=7500000 +y_0=0
+ellps=GRS80 +units=m +no_defs
```

EPSG 22181, POSGAR 94 / Argentina 1

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Legally adopted in May 1997. Replaced by POSGAR 98 / Argentina 1 for scientific and many practical purposes until May 2009. Officially replaced by POSGAR 2007 / Argentina 1 in May 2009.

Source: Instituto Geográfico Militar de la República Argentina, http://www.igm.gov.ar

Revision: 28.03.2011

Proj4
```
+proj=tmerc +lat_0=-90 +lon_0=-72 +k=1 +x_0=1500000 +y_0=0
+ellps=WGS84 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

definition:

EPSG 22182, POSGAR 94 / Argentina 2

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Legally adopted in May 1997. Replaced by POSGAR 98 / Argentina 2 for scientific and many practical purposes until May 2009. Officially replaced by POSGAR 2007 / Argentina 2 in May 2009.

Source: Instituto Geográfico Militar de la República Argentina, http://www.igm.gov.ar

Revision: 28.03.2011

Proj4 definition:
```
+proj=tmerc +lat_0=-90 +lon_0=-69 +k=1 +x_0=2500000 +y_0=0
+ellps=WGS84 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 22183, POSGAR 94 / Argentina 3

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Legally adopted in May 1997. Replaced by POSGAR 98 / Argentina 3 for scientific and many practical purposes until May 2009. Officially replaced by POSGAR 2007 / Argentina 3 in May 2009.

Source: Instituto Geográfico Militar de la República Argentina, http://www.igm.gov.ar

Revision: 28.03.2011

Proj4 definition:
```
+proj=tmerc +lat_0=-90 +lon_0=-66 +k=1 +x_0=3500000 +y_0=0
+ellps=WGS84 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 22184, POSGAR 94 / Argentina 4

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Legally adopted in May 1997. Replaced by POSGAR 98 / Argentina 4 for scientific and many practical purposes until May 2009. Officially replaced by POSGAR 2007 / Argentina 4 in May 2009.

Source: Instituto Geográfico Militar de la República Argentina, http://www.igm.gov.ar

Revision: 28.03.2011

Proj4 definition:
```
+proj=tmerc +lat_0=-90 +lon_0=-63 +k=1 +x_0=4500000 +y_0=0
+ellps=WGS84 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 22185, POSGAR 94 / Argentina 5

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Legally adopted in May 1997. Replaced by POSGAR 98 / Argentina 5 for scientific and many practical purposes until May 2009. Officially replaced by POSGAR 2007 / Argentina 5 in May 2009.

Source: Instituto Geográfico Militar de la República Argentina, http://www.igm.gov.ar

Revision: 28.03.2011

Proj4 definition:
```
+proj=tmerc +lat_0=-90 +lon_0=-60 +k=1 +x_0=5500000 +y_0=0
+ellps=WGS84 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
```

EPSG 22186, POSGAR 94 / Argentina 6

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Legally adopted in May 1997. Replaced by POSGAR 98 / Argentina 6 for scientific and many practical purposes until May 2009. Officially replaced by POSGAR 2007 / Argentina 6 in May 2009.

Source: Instituto Geográfico Militar de la República Argentina, http://www.igm.gov.ar

Revision: 28.03.2011

Proj4 definition: `+proj=tmerc +lat_0=-90 +lon_0=-57 +k=1 +x_0=6500000 +y_0=0 +ellps=WGS84 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 22187, POSGAR 94 / Argentina 7

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Legally adopted in May 1997. Replaced by POSGAR 98 / Argentina 7 for scientific and many practical purposes until May 2009. Officially replaced by POSGAR 2007 / Argentina 7 in May 2009.

Source: Instituto Geográfico Militar de la República Argentina, http://www.igm.gov.ar

Revision: 28.03.2011

Proj4 definition: `+proj=tmerc +lat_0=-90 +lon_0=-54 +k=1 +x_0=7500000 +y_0=0 +ellps=WGS84 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 22191, Campo Inchauspe / Argentina 1

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=-90 +lon_0=-72 +k=1 +x_0=1500000 +y_0=0 +ellps=intl +units=m +no_defs`

EPSG 22192, Campo Inchauspe / Argentina 2

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=-90 +lon_0=-69 +k=1 +x_0=2500000 +y_0=0 +ellps=intl +units=m +no_defs`

EPSG 22193, Campo Inchauspe / Argentina 3

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=-90 +lon_0=-66 +k=1 +x_0=3500000 +y_0=0 +ellps=intl +units=m +no_defs`

EPSG 22194, Campo Inchauspe / Argentina 4

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=-90 +lon_0=-63 +k=1 +x_0=4500000 +y_0=0 +ellps=intl +units=m +no_defs`

EPSG 22195, Campo Inchauspe / Argentina 5

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 22.06.2002
Proj4 definition: `+proj=tmerc +lat_0=-90 +lon_0=-60 +k=1 +x_0=5500000 +y_0=0 +ellps=intl +units=m +no_defs`

EPSG 22196, Campo Inchauspe / Argentina 6

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 22.06.2002
Proj4 definition: `+proj=tmerc +lat_0=-90 +lon_0=-57 +k=1 +x_0=6500000 +y_0=0 +ellps=intl +units=m +no_defs`

EPSG 22197, Campo Inchauspe / Argentina 7

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 22.06.2002
Proj4 definition: `+proj=tmerc +lat_0=-90 +lon_0=-54 +k=1 +x_0=7500000 +y_0=0 +ellps=intl +units=m +no_defs`

EPSG 22234, Cape / UTM zone 34S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 08.12.1995
Proj4 definition: `+proj=utm +zone=34 +south +a=6378249.145 +b=6356514.966398753 +units=m +no_defs`

EPSG 22235, Cape / UTM zone 35S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 08.12.1995
Proj4 definition: `+proj=utm +zone=35 +south +a=6378249.145 +b=6356514.966398753 +units=m +no_defs`

EPSG 22275, Cape / Lo15

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.
Remarks:
Source: Directorate of Surveys and Mapping, Mowbray, South Africa.
Revision: 12.02.2007
Proj4 `+proj=utm +zone=35 +south +a=6378249.145 +b=6356514.966398753`

definition: +units=m +no_defs

EPSG 22277, Cape / Lo17

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks:

Source: Directorate of Surveys and Mapping, Mowbray, South Africa.

Revision: 12.02.2007

Proj4 definition: +proj=utm +zone=35 +south +a=6378249.145 +b=6356514.966398753 +units=m +no_defs

EPSG 22279, Cape / Lo19

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks:

Source: Directorate of Surveys and Mapping, Mowbray, South Africa.

Revision: 12.02.2007

Proj4 definition: +proj=utm +zone=35 +south +a=6378249.145 +b=6356514.966398753 +units=m +no_defs

EPSG 22281, Cape / Lo21

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks:

Source: Directorate of Surveys and Mapping, Mowbray, South Africa.

Revision: 12.02.2007

Proj4 definition: +proj=utm +zone=35 +south +a=6378249.145 +b=6356514.966398753 +units=m +no_defs

EPSG 22283, Cape / Lo23

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks:

Source: Directorate of Surveys and Mapping, Mowbray, South Africa.

Revision: 12.02.2007

Proj4 definition: +proj=utm +zone=35 +south +a=6378249.145 +b=6356514.966398753 +units=m +no_defs

EPSG 22285, Cape / Lo25

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks:

Source: Directorate of Surveys and Mapping, Mowbray, South Africa.

Revision: 12.02.2007

Proj4 definition: +proj=utm +zone=35 +south +a=6378249.145 +b=6356514.966398753 +units=m +no_defs

EPSG 22287, Cape / Lo27

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks:

Source: Directorate of Surveys and Mapping, Mowbray, South Africa.

Revision: 12.02.2007

Proj4 definition: `+proj=utm +zone=35 +south +a=6378249.145 +b=6356514.966398753 +units=m +no_defs`

EPSG 22289, Cape / Lo29

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks:

Source: Directorate of Surveys and Mapping, Mowbray, South Africa.

Revision: 12.02.2007

Proj4 definition: `+proj=utm +zone=35 +south +a=6378249.145 +b=6356514.966398753 +units=m +no_defs`

EPSG 22291, Cape / Lo31

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks:

Source: Directorate of Surveys and Mapping, Mowbray, South Africa.

Revision: 12.02.2007

Proj4 definition: `+proj=utm +zone=35 +south +a=6378249.145 +b=6356514.966398753 +units=m +no_defs`

EPSG 22293, Cape / Lo33

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks:

Source: Directorate of Surveys and Mapping, Mowbray, South Africa.

Revision: 12.02.2007

Proj4 definition: `+proj=utm +zone=35 +south +a=6378249.145 +b=6356514.966398753 +units=m +no_defs`

EPSG 22300, Carthage (Paris) / Tunisia Mining Grid

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: CAUTION: Carthage datum did not exist when the 1953 decree was issued and an inference is that grid should be applied to the Voirol 1875 geogCRS. Common practice assumes that the current Tunisian geodetic datum of Carthage applies.

Source:

Revision: 11.11.1998

Proj4 definition: `+proj=utm +zone=35 +south +a=6378249.145 +b=6356514.966398753 +units=m +no_defs`

EPSG 22332, Carthage / UTM zone 32N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=32 +a=6378249.2 +b=6356515 +units=m +no_defs

EPSG 22391, Carthage / Nord Tunisie

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=lcc +lat_1=36 +lat_0=36 +lon_0=9.9 +k_0=0.999625544 +x_0=500000 +y_0=300000 +a=6378249.2 +b=6356515 +units=m +no_defs

EPSG 22392, Carthage / Sud Tunisie

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=lcc +lat_1=33.3 +lat_0=33.3 +lon_0=9.9 +k_0=0.999625769 +x_0=500000 +y_0=300000 +a=6378249.2 +b=6356515 +units=m +no_defs

EPSG 22521, Corrego Alegre 1970-72 / UTM zone 21S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces Corrego Alegre 1961 / UTM zone 21S (CRS code 5536). Replaced by SAD69 / UTM zone 21S (CRS code 29191).
Source: OGP
Revision: 27.07.2011
Proj4 definition: +proj=utm +zone=21 +south +ellps=intl +towgs84=-206,172,-6,0,0,0,0 +units=m +no_defs

EPSG 22522, Corrego Alegre 1970-72 / UTM zone 22S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces Corrego Alegre 1961 / UTM zone 22S (CRS code 5537). Replaced by SAD69 / UTM zone 22S (CRS code 29192).
Source: OGP
Revision: 27.07.2011
Proj4 definition: +proj=utm +zone=22 +south +ellps=intl +towgs84=-206,172,-6,0,0,0,0 +units=m +no_defs

EPSG 22523, Corrego Alegre 1970-72 / UTM zone 23S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces Corrego Alegre 1961 / UTM zone 23S (CRS code 5538). Replaced by SAD69 / UTM zone 23S (CRS code 29193).
Source: IBGE
Revision: 27.07.2011
Proj4 +proj=utm +zone=23 +south +ellps=intl +towgs84=-206,172,-

definition: 6,0,0,0,0 +units=m +no_defs

EPSG 22524, Corrego Alegre 1970-72 / UTM zone 24S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces Corrego Alegre 1961 / UTM zone 24S (CRS code 5539). Replaced by SAD69 / UTM zone 24S (CRS code 29194).

Source: IBGE

Revision: 27.07.2011

Proj4 definition: +proj=utm +zone=24 +south +ellps=intl +towgs84=-206,172,-6,0,0,0,0 +units=m +no_defs

EPSG 22525, Corrego Alegre 1970-72 / UTM zone 25S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced by SAD69 / UTM zone 25S (CRS code 29195).

Source: OGP

Revision: 27.07.2011

Proj4 definition: +proj=utm +zone=25 +south +ellps=intl +towgs84=-206,172,-6,0,0,0,0 +units=m +no_defs

EPSG 22700, Deir ez Zor / Levant Zone

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced by Deir ez Zor / Syria Lambert (EPSG code 22770) from 1973.

Source:

Revision: 22.04.1999

Proj4 definition: +proj=lcc +lat_1=34.65 +lat_0=34.65 +lon_0=37.35 +k_0=0.9996256 +x_0=300000 +y_0=300000 +a=6378249.2 +b=6356515 +units=m +no_defs

EPSG 22770, Deir ez Zor / Syria Lambert

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces Deir ez Zor / Levant zone (EPSG code 22700) from 1973.

Source:

Revision: 20.10.1999

Proj4 definition: +proj=lcc +lat_1=34.65 +lat_0=34.65 +lon_0=37.35 +k_0=0.9996256 +x_0=300000 +y_0=300000 +a=6378249.2 +b=6356515 +units=m +no_defs

EPSG 22780, Deir ez Zor / Levant Stereographic

Scope: Used prior to World War II for cadastral and large scale topographic mapping.

Remarks:

Source:

Revision: 19.10.2000

Proj4 definition: +proj=sterea +lat_0=34.2 +lon_0=39.15 +k=0.9995341 +x_0=0 +y_0=0 +a=6378249.2 +b=6356515 +units=m +no_defs

EPSG 22991, Egypt 1907 / Blue Belt

Scope: Military topographic mapping. Oil industry usually uses Egypt 1907 / Red Belt rather than this projected CRS.

Remarks: Also known as Egypt 1907 / Green Belt.

Source:

Revision: 16.07.2002

Proj4 definition: `+proj=tmerc +lat_0=30 +lon_0=35 +k=1 +x_0=300000 +y_0=1100000 +ellps=helmert +units=m +no_defs`

EPSG 22992, Egypt 1907 / Red Belt

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: See also Egypt 1907 / Blue Belt for non oil industry usage in Sinai peninsula.

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=tmerc +lat_0=30 +lon_0=31 +k=1 +x_0=615000 +y_0=810000 +ellps=helmert +units=m +no_defs`

EPSG 22993, Egypt 1907 / Purple Belt

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=tmerc +lat_0=30 +lon_0=27 +k=1 +x_0=700000 +y_0=200000 +ellps=helmert +units=m +no_defs`

EPSG 22994, Egypt 1907 / Extended Purple Belt

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=tmerc +lat_0=30 +lon_0=27 +k=1 +x_0=700000 +y_0=1200000 +ellps=helmert +units=m +no_defs`

EPSG 23028, ED50 / UTM zone 28N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=28 +ellps=intl +units=m +no_defs`

EPSG 23029, ED50 / UTM zone 29N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=29 +ellps=intl +units=m +no_defs`

EPSG 23030, ED50 / UTM zone 30N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:
Source:
Revision: 27.05.2005
Proj4 definition: +proj=utm +zone=30 +ellps=intl +units=m +no_defs

EPSG 23031, ED50 / UTM zone 31N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 27.05.2005
Proj4 definition: +proj=utm +zone=31 +ellps=intl +units=m +no_defs

EPSG 23032, ED50 / UTM zone 32N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 27.05.2005
Proj4 definition: +proj=utm +zone=32 +ellps=intl +units=m +no_defs

EPSG 23033, ED50 / UTM zone 33N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 27.05.2005
Proj4 definition: +proj=utm +zone=33 +ellps=intl +units=m +no_defs

EPSG 23034, ED50 / UTM zone 34N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=34 +ellps=intl +units=m +no_defs

EPSG 23035, ED50 / UTM zone 35N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 27.05.2005
Proj4 definition: +proj=utm +zone=35 +ellps=intl +units=m +no_defs

EPSG 23036, ED50 / UTM zone 36N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 27.05.2005

Proj4 definition: +proj=utm +zone=36 +ellps=intl +units=m +no_defs

EPSG 23037, ED50 / UTM zone 37N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 27.05.2005
Proj4 definition: +proj=utm +zone=37 +ellps=intl +units=m +no_defs

EPSG 23038, ED50 / UTM zone 38N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 27.05.2005
Proj4 definition: +proj=utm +zone=38 +ellps=intl +units=m +no_defs

EPSG 23090, ED50 / TM 0 N

Scope: Used by Shell UK for UKCS North Sea oil exploration and production.
Remarks:
Source: Shell UK
Revision: 11.11.1998
Proj4 definition: +proj=tmerc +lat_0=0 +lon_0=0 +k=0.9996 +x_0=500000 +y_0=0 +ellps=intl +units=m +no_defs

EPSG 23095, ED50 / TM 5 NE

Scope: Used by NAM for Dutch Sector of the North Sea oil exploration and production.
Remarks:
Source: NAM
Revision: 11.11.1998
Proj4 definition: +proj=tmerc +lat_0=0 +lon_0=5 +k=0.9996 +x_0=500000 +y_0=0 +ellps=intl +units=m +no_defs

EPSG 23239, Fahud / UTM zone 39N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Since 1993 replaced by PSD93 / UTM zone 39N projCRS (code 3439). Maximum differences to Fahud adjustment are 20 metres.
Source:
Revision: 07.04.2004
Proj4 definition: +proj=utm +zone=39 +ellps=clrk80 +units=m +no_defs

EPSG 23240, Fahud / UTM zone 40N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Since 1993 replaced by PSD93 / UTM zone 40N projCRS (code 3440). Maximum differences to Fahud adjustment are 20 metres.
Source:

Revision: 13.02.2012

Proj4 definition: `+proj=utm +zone=40 +ellps=clrk80 +units=m +no_defs`

EPSG 23700, HD72 / EOV

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 22.07.1997

Proj4 definition: `+proj=somerc +lat_0=47.14439372222222 +lon_0=19.04857177777778 +k_0=0.99993 +x_0=650000 +y_0=200000 +ellps=GRS67 +units=m +no_defs`

EPSG 23830, DGN95 / Indonesia TM-3 zone 46.2

Scope: Land use and cadastre.

Remarks: Used by BPN for large scale (1:10,000 and greater) land use mapping.

Source: National Land Agency (Badan Pertanahan Nasional, BPN)

Revision: 21.01.2012

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=94.5 +k=0.9999 +x_0=200000 +y_0=1500000 +ellps=WGS84 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 23831, DGN95 / Indonesia TM-3 zone 47.1

Scope: Land use and cadastre.

Remarks: Used by BPN for large scale (1:10,000 and greater) land use mapping.

Source: National Land Agency (Badan Pertanahan Nasional, BPN)

Revision: 10.05.2007

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=97.5 +k=0.9999 +x_0=200000 +y_0=1500000 +ellps=WGS84 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 23832, DGN95 / Indonesia TM-3 zone 47.2

Scope: Land use and cadastre.

Remarks: Used by BPN for large scale (1:10,000 and greater) land use mapping.

Source: National Land Agency (Badan Pertanahan Nasional, BPN)

Revision: 10.05.2007

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=100.5 +k=0.9999 +x_0=200000 +y_0=1500000 +ellps=WGS84 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 23833, DGN95 / Indonesia TM-3 zone 48.1

Scope: Land use and cadastre.

Remarks: Used by BPN for large scale (1:10,000 and greater) land use mapping.

Source: National Land Agency (Badan Pertanahan Nasional, BPN)

Revision: 10.05.2007

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=103.5 +k=0.9999 +x_0=200000 +y_0=1500000 +ellps=WGS84 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 23834, DGN95 / Indonesia TM-3 zone 48.2

Scope: Land use and cadastre.

Remarks: Used by BPN for large scale (1:10,000 and greater) land use mapping.
Source: National Land Agency (Badan Pertanahan Nasional, BPN)
Revision: 10.05.2007
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=106.5 +k=0.9999 +x_0=200000 +y_0=1500000 +ellps=WGS84 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 23835, DGN95 / Indonesia TM-3 zone 49.1

Scope: Land use and cadastre.
Remarks: Used by BPN for large scale (1:10,000 and greater) land use mapping.
Source: National Land Agency (Badan Pertanahan Nasional, BPN)
Revision: 10.05.2007
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=109.5 +k=0.9999 +x_0=200000 +y_0=1500000 +ellps=WGS84 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 23836, DGN95 / Indonesia TM-3 zone 49.2

Scope: Land use and cadastre.
Remarks: Used by BPN for large scale (1:10,000 and greater) land use mapping.
Source: National Land Agency (Badan Pertanahan Nasional, BPN)
Revision: 10.05.2007
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=112.5 +k=0.9999 +x_0=200000 +y_0=1500000 +ellps=WGS84 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 23837, DGN95 / Indonesia TM-3 zone 50.1

Scope: Land use and cadastre.
Remarks: Used by BPN for large scale (1:10,000 and greater) land use mapping.
Source: National Land Agency (Badan Pertanahan Nasional, BPN)
Revision: 10.05.2007
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=115.5 +k=0.9999 +x_0=200000 +y_0=1500000 +ellps=WGS84 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 23838, DGN95 / Indonesia TM-3 zone 50.2

Scope: Land use and cadastre.
Remarks: Used by BPN for large scale (1:10,000 and greater) land use mapping.
Source: National Land Agency (Badan Pertanahan Nasional, BPN)
Revision: 10.05.2007
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=118.5 +k=0.9999 +x_0=200000 +y_0=1500000 +ellps=WGS84 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 23839, DGN95 / Indonesia TM-3 zone 51.1

Scope: Land use and cadastre.
Remarks: Used by BPN for large scale (1:10,000 and greater) land use mapping.
Source: National Land Agency (Badan Pertanahan Nasional, BPN)
Revision: 10.05.2007
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=121.5 +k=0.9999 +x_0=200000 +y_0=1500000 +ellps=WGS84 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 23840, DGN95 / Indonesia TM-3 zone 51.2

Scope: Land use and cadastre.
Remarks: Used by BPN for large scale (1:10,000 and greater) land use mapping.
Source: National Land Agency (Badan Pertanahan Nasional, BPN)
Revision: 10.05.2007
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=124.5 +k=0.9999 +x_0=200000 +y_0=1500000 +ellps=WGS84 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 23841, DGN95 / Indonesia TM-3 zone 52.1

Scope: Land use and cadastre.
Remarks: Used by BPN for large scale (1:10,000 and greater) land use mapping.
Source: National Land Agency (Badan Pertanahan Nasional, BPN)
Revision: 10.05.2007
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=127.5 +k=0.9999 +x_0=200000 +y_0=1500000 +ellps=WGS84 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 23842, DGN95 / Indonesia TM-3 zone 52.2

Scope: Land use and cadastre.
Remarks: Used by BPN for large scale (1:10,000 and greater) land use mapping.
Source: National Land Agency (Badan Pertanahan Nasional, BPN)
Revision: 10.05.2007
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=130.5 +k=0.9999 +x_0=200000 +y_0=1500000 +ellps=WGS84 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 23843, DGN95 / Indonesia TM-3 zone 53.1

Scope: Land use and cadastre.
Remarks: Used by BPN for large scale (1:10,000 and greater) land use mapping.
Source: National Land Agency (Badan Pertanahan Nasional, BPN)
Revision: 10.05.2007
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=133.5 +k=0.9999 +x_0=200000 +y_0=1500000 +ellps=WGS84 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 23844, DGN95 / Indonesia TM-3 zone 53.2

Scope: Land use and cadastre.
Remarks: Used by BPN for large scale (1:10,000 and greater) land use mapping.
Source: National Land Agency (Badan Pertanahan Nasional, BPN)
Revision: 10.05.2007
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=136.5 +k=0.9999 +x_0=200000 +y_0=1500000 +ellps=WGS84 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 23845, DGN95 / Indonesia TM-3 zone 54.1

Scope: Land use and cadastre.
Remarks: Used by BPN for large scale (1:10,000 and greater) land use mapping.
Source: National Land Agency (Badan Pertanahan Nasional, BPN)
Revision: 21.01.2012
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=139.5 +k=0.9999 +x_0=200000 +y_0=1500000 +ellps=WGS84 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 23846, ID74 / UTM zone 46N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaced by DGN95 / UTM zone 46N.
Source:
Revision: 21.01.2012
Proj4 definition: `+proj=utm +zone=46 +a=6378160 +b=6356774.50408554 +units=m +no_defs`

EPSG 23847, ID74 / UTM zone 47N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaced by DGN95 / UTM zone 47N.
Source:
Revision: 21.01.2012
Proj4 definition: `+proj=utm +zone=47 +a=6378160 +b=6356774.50408554 +units=m +no_defs`

EPSG 23848, ID74 / UTM zone 48N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaced by DGN95 / UTM zone 48N.
Source:
Revision: 21.01.2012
Proj4 definition: `+proj=utm +zone=48 +a=6378160 +b=6356774.50408554 +units=m +no_defs`

EPSG 23849, ID74 / UTM zone 49N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaced by DGN95 / UTM zone 49N.
Source:
Revision: 21.01.2012
Proj4 definition: `+proj=utm +zone=49 +a=6378160 +b=6356774.50408554 +units=m +no_defs`

EPSG 23850, ID74 / UTM zone 50N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaced by DGN95 / UTM zone 50N.
Source:
Revision: 21.01.2012
Proj4 definition: `+proj=utm +zone=50 +a=6378160 +b=6356774.50408554 +units=m +no_defs`

EPSG 23851, ID74 / UTM zone 51N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaced by DGN95 / UTM zone 51N.
Source:
Revision: 21.01.2012
Proj4 `+proj=utm +zone=51 +a=6378160 +b=6356774.50408554 +units=m +no_defs`

definition:

EPSG 23852, ID74 / UTM zone 52N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaced by DGN95 / UTM zone 52N.
Source:
Revision: 21.01.2012
Proj4 definition: `+proj=utm +zone=52 +a=6378160 +b=6356774.50408554 +units=m +no_defs`

EPSG 23866, DGN95 / UTM zone 46N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces ID74 / UTM zone 46N.
Source: Bakosurtanal.
Revision: 25.08.2006
Proj4 definition: `+proj=utm +zone=46 +ellps=WGS84 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 23867, DGN95 / UTM zone 47N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces ID74 / UTM zone 47N.
Source: Bakosurtanal.
Revision: 25.08.2006
Proj4 definition: `+proj=utm +zone=47 +ellps=WGS84 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 23868, DGN95 / UTM zone 48N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces ID74 / UTM zone 48N.
Source: Bakosurtanal.
Revision: 25.08.2006
Proj4 definition: `+proj=utm +zone=48 +ellps=WGS84 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 23869, DGN95 / UTM zone 49N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces ID74 / UTM zone 49N.
Source: Bakosurtanal.
Revision: 25.08.2006
Proj4 definition: `+proj=utm +zone=49 +ellps=WGS84 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 23870, DGN95 / UTM zone 50N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces ID74 / UTM zone 50N.
Source: Bakosurtanal.

Revision: 25.08.2006

Proj4 definition: `+proj=utm +zone=50 +ellps=WGS84 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 23871, DGN95 / UTM zone 51N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces ID74 / UTM zone 51N.

Source: Bakosurtanal.

Revision: 25.08.2006

Proj4 definition: `+proj=utm +zone=51 +ellps=WGS84 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 23872, DGN95 / UTM zone 52N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces ID74 / UTM zone 52N.

Source: Bakosurtanal.

Revision: 25.08.2006

Proj4 definition: `+proj=utm +zone=52 +ellps=WGS84 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 23877, DGN95 / UTM zone 47S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces ID74 / UTM zone 47S.

Source: Bakosurtanal.

Revision: 25.08.2006

Proj4 definition: `+proj=utm +zone=47 +south +ellps=WGS84 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 23878, DGN95 / UTM zone 48S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces ID74 / UTM zone 48S.

Source: Bakosurtanal.

Revision: 25.08.2006

Proj4 definition: `+proj=utm +zone=48 +south +ellps=WGS84 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 23879, DGN95 / UTM zone 49S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces ID74 / UTM zone 49S.

Source: Bakosurtanal.

Revision: 25.08.2006

Proj4 definition: `+proj=utm +zone=49 +south +ellps=WGS84 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 23880, DGN95 / UTM zone 50S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces ID74 / UTM zone 50S.

Source: Bakosurtanal.
Revision: 25.08.2006
Proj4 definition: `+proj=utm +zone=50 +south +ellps=WGS84 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 23881, DGN95 / UTM zone 51S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces ID74 / UTM zone 51S.
Source: Bakosurtanal.
Revision: 25.08.2006
Proj4 definition: `+proj=utm +zone=51 +south +ellps=WGS84 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 23882, DGN95 / UTM zone 52S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces ID74 / UTM zone 52S.
Source: Bakosurtanal.
Revision: 25.08.2006
Proj4 definition: `+proj=utm +zone=52 +south +ellps=WGS84 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 23883, DGN95 / UTM zone 53S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces ID74 / UTM zone 53S.
Source: Bakosurtanal.
Revision: 25.08.2006
Proj4 definition: `+proj=utm +zone=53 +south +ellps=WGS84 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 23884, DGN95 / UTM zone 54S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces ID74 / UTM zone 54S.
Source: Bakosurtanal.
Revision: 25.08.2006
Proj4 definition: `+proj=utm +zone=54 +south +ellps=WGS84 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 23887, ID74 / UTM zone 47S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaced by DGN95 / UTM zone 47S.
Source:
Revision: 21.01.2012
Proj4 definition: `+proj=utm +zone=47 +south +a=6378160 +b=6356774.50408554 +units=m +no_defs`

EPSG 23888, ID74 / UTM zone 48S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced by DGN95 / UTM zone 48S.
Source:
Revision: 21.01.2012
Proj4 definition: `+proj=utm +zone=48 +south +a=6378160 +b=6356774.50408554 +units=m +no_defs`

EPSG 23889, ID74 / UTM zone 49S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaced by DGN95 / UTM zone 49S.
Source:
Revision: 21.01.2012
Proj4 definition: `+proj=utm +zone=49 +south +a=6378160 +b=6356774.50408554 +units=m +no_defs`

EPSG 23890, ID74 / UTM zone 50S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaced by DGN95 / UTM zone 50S.
Source:
Revision: 21.01.2012
Proj4 definition: `+proj=utm +zone=50 +south +a=6378160 +b=6356774.50408554 +units=m +no_defs`

EPSG 23891, ID74 / UTM zone 51S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaced by DGN95 / UTM zone 51S.
Source:
Revision: 21.01.2012
Proj4 definition: `+proj=utm +zone=51 +south +a=6378160 +b=6356774.50408554 +units=m +no_defs`

EPSG 23892, ID74 / UTM zone 52S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaced by DGN95 / UTM zone 52S.
Source:
Revision: 21.01.2012
Proj4 definition: `+proj=utm +zone=52 +south +a=6378160 +b=6356774.50408554 +units=m +no_defs`

EPSG 23893, ID74 / UTM zone 53S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaced by DGN95 / UTM zone 53S.
Source:
Revision: 21.01.2012
Proj4 definition: `+proj=utm +zone=53 +south +a=6378160 +b=6356774.50408554 +units=m +no_defs`

EPSG 23894, ID74 / UTM zone 54S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaced by DGN95 / UTM zone 54S.
Source:
Revision: 21.01.2012
Proj4 definition: `+proj=utm +zone=54 +south +a=6378160 +b=6356774.50408554 +units=m +no_defs`

EPSG 23946, Indian 1954 / UTM zone 46N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 13.06.1998
Proj4 definition: `+proj=utm +zone=46 +a=6377276.345 +b=6356075.41314024 +towgs84=217,823,299,0,0,0,0 +units=m +no_defs`

EPSG 23947, Indian 1954 / UTM zone 47N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=47 +a=6377276.345 +b=6356075.41314024 +towgs84=217,823,299,0,0,0,0 +units=m +no_defs`

EPSG 23948, Indian 1954 / UTM zone 48N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 25.01.2011
Proj4 definition: `+proj=utm +zone=48 +a=6377276.345 +b=6356075.41314024 +towgs84=217,823,299,0,0,0,0 +units=m +no_defs`

EPSG 24047, Indian 1975 / UTM zone 47N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=47 +a=6377276.345 +b=6356075.41314024 +units=m +no_defs`

EPSG 24048, Indian 1975 / UTM zone 48N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=48 +a=6377276.345 +b=6356075.41314024 +units=m +no_defs`

EPSG 24100, Jamaica 1875 / Jamaica (Old Grid)

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks: Replaced by JAD69 / Jamaica National Grid (CRS code 24200).

Source: Survey Department, Government of Jamaica, 1983.

Revision: 02.06.1995

Proj4 definition:
```
+proj=lcc +lat_1=18 +lat_0=18 +lon_0=-77 +k_0=1 +x_0=167638.49597
+y_0=121918.90616 +a=6378249.144808011 +b=6356514.966204134
+to_meter=0.3047972654 +no_defs
```

EPSG 24200, JAD69 / Jamaica National Grid

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks: Replaces Jamaica 1875 / Jamaica (Old Grid) (CRS code 24100).
Replaced by JAD2001 / Jamaica Metric Grid (CRS code 3448).

Source: Survey Department, Government of Jamaica, 1983.

Revision: 19.01.2007

Proj4 definition:
```
+proj=lcc +lat_1=18 +lat_0=18 +lon_0=-77 +k_0=1 +x_0=250000
+y_0=150000 +ellps=clrk66 +units=m +no_defs
```

EPSG 24305, Kalianpur 1937 / UTM zone 45N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 20.10.1999

Proj4 definition:
```
+proj=utm +zone=45 +a=6377276.345 +b=6356075.41314024 +units=m
+no_defs
```

EPSG 24306, Kalianpur 1937 / UTM zone 46N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 20.10.1999

Proj4 definition:
```
+proj=utm +zone=46 +a=6377276.345 +b=6356075.41314024 +units=m
+no_defs
```

EPSG 24311, Kalianpur 1962 / UTM zone 41N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 20.10.1999

Proj4 definition:
```
+proj=utm +zone=41 +a=6377301.243 +b=6356100.230165384 +units=m
+no_defs
```

EPSG 24312, Kalianpur 1962 / UTM zone 42N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:
Revision: 20.10.1999
Proj4 definition: `+proj=utm +zone=42 +a=6377301.243 +b=6356100.230165384 +units=m +no_defs`

EPSG 24313, Kalianpur 1962 / UTM zone 43N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 20.10.1999
Proj4 definition: `+proj=utm +zone=43 +a=6377301.243 +b=6356100.230165384 +units=m +no_defs`

EPSG 24342, Kalianpur 1975 / UTM zone 42N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 20.10.1999
Proj4 definition: `+proj=utm +zone=42 +a=6377299.151 +b=6356098.145120132 +towgs84=295,736,257,0,0,0,0 +units=m +no_defs`

EPSG 24343, Kalianpur 1975 / UTM zone 43N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 20.10.1999
Proj4 definition: `+proj=utm +zone=43 +a=6377299.151 +b=6356098.145120132 +towgs84=295,736,257,0,0,0,0 +units=m +no_defs`

EPSG 24344, Kalianpur 1975 / UTM zone 44N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 20.10.1999
Proj4 definition: `+proj=utm +zone=44 +a=6377299.151 +b=6356098.145120132 +towgs84=295,736,257,0,0,0,0 +units=m +no_defs`

EPSG 24345, Kalianpur 1975 / UTM zone 45N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 20.10.1999
Proj4 definition: `+proj=utm +zone=45 +a=6377299.151 +b=6356098.145120132 +towgs84=295,736,257,0,0,0,0 +units=m +no_defs`

EPSG 24346, Kalianpur 1975 / UTM zone 46N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 20.10.1999

Proj4 definition: `+proj=utm +zone=46 +a=6377299.151 +b=6356098.145120132 +towgs84=295,736,257,0,0,0,0 +units=m +no_defs`

EPSG 24347, Kalianpur 1975 / UTM zone 47N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 20.10.1999

Proj4 definition: `+proj=utm +zone=47 +a=6377299.151 +b=6356098.145120132 +towgs84=295,736,257,0,0,0,0 +units=m +no_defs`

EPSG 24370, Kalianpur 1880 / India zone 0

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 20.10.1999

Proj4 definition: `+proj=lcc +lat_1=39.5 +lat_0=39.5 +lon_0=68 +k_0=0.99846154 +x_0=2153865.73916853 +y_0=2368292.194628102 +a=6377299.36559538 +b=6356098.359005157 +to_meter=0.9143985307444408 +no_defs`

EPSG 24371, Kalianpur 1880 / India zone I

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 20.10.1999

Proj4 definition: `+proj=lcc +lat_1=32.5 +lat_0=32.5 +lon_0=68 +k_0=0.99878641 +x_0=2743195.592233322 +y_0=914398.5307444407 +a=6377299.36559538 +b=6356098.359005157 +to_meter=0.9143985307444408 +no_defs`

EPSG 24372, Kalianpur 1880 / India zone IIa

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 20.10.1999

Proj4 definition: `+proj=lcc +lat_1=26 +lat_0=26 +lon_0=74 +k_0=0.99878641 +x_0=2743195.592233322 +y_0=914398.5307444407 +a=6377299.36559538 +b=6356098.359005157 +to_meter=0.9143985307444408 +no_defs`

EPSG 24373, Kalianpur 1880 / India zone IIIa

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 08.05.2012

Proj4 definition: `+proj=lcc +lat_1=19 +lat_0=19 +lon_0=80 +k_0=0.99878641 +x_0=2743195.592233322 +y_0=914398.5307444407 +a=6377299.36559538 +b=6356098.359005157 +to_meter=0.9143985307444408 +no_defs`

EPSG 24374, Kalianpur 1880 / India zone IVa

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 08.05.2012

Proj4 definition: `+proj=lcc +lat_1=12 +lat_0=12 +lon_0=80 +k_0=0.99878641 +x_0=2743195.592233322 +y_0=914398.5307444407 +a=6377299.36559538 +b=6356098.359005157 +to_meter=0.9143985307444408 +no_defs`

EPSG 24375, Kalianpur 1937 / India zone IIb

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Used by Bangladesh since metrication. Metric conversion applies A.R.Clarke's Indian foot-British foot ratio of 0.99999566 and Benoit's 1895 British inch-metre ratio of 39.370115 rounded as Ind ft = 0.30479841m exactly.

Source:

Revision: 25.01.2011

Proj4 definition: `+proj=lcc +lat_1=26 +lat_0=26 +lon_0=90 +k_0=0.99878641 +x_0=2743185.69 +y_0=914395.23 +a=6377276.345 +b=6356075.41314024 +units=m +no_defs`

EPSG 24376, Kalianpur 1962 / India zone I

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Used by Pakistan since metrication. Metric conversion applies A.R.Clarke's Indian foot-British foot ratio of 0.99999566 and J.S.Clark's 1865 British inch-metre ratio of 39.369971 rounded by G.Bomford with slight error as Ind ft = 0.3047996m exactly.

Source:

Revision: 25.01.2007

Proj4 definition: `+proj=lcc +lat_1=32.5 +lat_0=32.5 +lon_0=68 +k_0=0.99878641 +x_0=2743196.4 +y_0=914398.8 +a=6377301.243 +b=6356100.230165384 +units=m +no_defs`

EPSG 24377, Kalianpur 1962 / India zone IIa

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Used by Pakistan since metrication. Metric conversion applies A.R.Clarke's Indian foot-British foot ratio of 0.99999566 and J.S.Clark's 1865 British inch-metre ratio of 39.369971 rounded by G.Bomford with slight error as Ind ft = 0.3047996m exactly.

Source:

Revision: 25.01.2007

Proj4 definition: `+proj=lcc +lat_1=26 +lat_0=26 +lon_0=74 +k_0=0.99878641 +x_0=2743196.4 +y_0=914398.8 +a=6377301.243 +b=6356100.230165384 +units=m +no_defs`

EPSG 24378, Kalianpur 1975 / India zone I

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Used by India since metrication. Metric conversion applies A.R.Clarke's Indian foot-British foot ratio of 0.99999566 and J.S.Clark's 1865 British inch-

metre ratio of 39.369971 rounded as 1 Ind ft = 0.3047995m exactly.

Source:

Revision: 25.01.2007

Proj4 definition: `+proj=lcc +lat_1=32.5 +lat_0=32.5 +lon_0=68 +k_0=0.99878641 +x_0=2743195.5 +y_0=914398.5 +a=6377299.151 +b=6356098.145120132 +towgs84=295,736,257,0,0,0,0 +units=m +no_defs`

EPSG 24379, Kalianpur 1975 / India zone IIa

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Used by India since metrication. Metric conversion applies A.R.Clarke's Indian foot-British foot ratio of 0.99999566 and J.S.Clark's 1865 British inch-metre ratio of 39.369971 rounded as 1 Ind ft = 0.3047995m exactly.

Source:

Revision: 25.01.2007

Proj4 definition: `+proj=lcc +lat_1=26 +lat_0=26 +lon_0=74 +k_0=0.99878641 +x_0=2743195.5 +y_0=914398.5 +a=6377299.151 +b=6356098.145120132 +towgs84=295,736,257,0,0,0,0 +units=m +no_defs`

EPSG 24380, Kalianpur 1975 / India zone IIb

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Used by India since metrication. Metric conversion applies A.R.Clarke's Indian foot-British foot ratio of 0.99999566 and J.S.Clark's 1865 British inch-metre ratio of 39.369971 rounded as 1 Ind ft = 0.3047995m exactly.

Source:

Revision: 25.01.2007

Proj4 definition: `+proj=lcc +lat_1=26 +lat_0=26 +lon_0=90 +k_0=0.99878641 +x_0=2743195.5 +y_0=914398.5 +a=6377299.151 +b=6356098.145120132 +towgs84=295,736,257,0,0,0,0 +units=m +no_defs`

EPSG 24381, Kalianpur 1975 / India zone IIIa

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Used by India since metrication. Metric conversion applies A.R.Clarke's Indian foot-British foot ratio of 0.99999566 and J.S.Clark's 1865 British inch-metre ratio of 39.369971 rounded as 1 Ind ft = 0.3047995m exactly.

Source:

Revision: 08.05.2012

Proj4 definition: `+proj=lcc +lat_1=19 +lat_0=19 +lon_0=80 +k_0=0.99878641 +x_0=2743195.5 +y_0=914398.5 +a=6377299.151 +b=6356098.145120132 +towgs84=295,736,257,0,0,0,0 +units=m +no_defs`

EPSG 24382, Kalianpur 1880 / India zone IIb

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 20.10.1999

Proj4 definition: `+proj=lcc +lat_1=26 +lat_0=26 +lon_0=90 +k_0=0.99878641 +x_0=2743195.592233322 +y_0=914398.5307444407 +a=6377299.36559538 +b=6356098.359005157 +to_meter=0.9143985307444408 +no_defs`

EPSG 24383, Kalianpur 1975 / India zone IVa

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Used by India since metrication. Metric conversion applies A.R.Clarke's Indian foot-British foot ratio of 0.99999566 and J.S.Clark's 1865 British inch-metre ratio of 39.369971 rounded as 1 Ind ft = 0.3047995m exactly.

Source:

Revision: 08.05.2012

Proj4 definition:
```
+proj=lcc +lat_1=12 +lat_0=12 +lon_0=80 +k_0=0.99878641
+x_0=2743195.5 +y_0=914398.5 +a=6377299.151 +b=6356098.145120132
+towgs84=295,736,257,0,0,0,0 +units=m +no_defs
```

EPSG 24500, Kertau 1968 / Singapore Grid

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: For cadastral purposes, replaced by SVY21 / Singapore TM (CRS code 3414) from August 2004.

Source: Defence Geographic Centre.

Revision: 13.10.2006

Proj4 definition:
```
+proj=cass +lat_0=1.287646666666667 +lon_0=103.8530022222222
+x_0=30000 +y_0=30000 +a=6377304.063 +b=6356103.038993155
+towgs84=-11,851,5,0,0,0,0 +units=m +no_defs
```

EPSG 24547, Kertau 1968 / UTM zone 47N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: Defence Geographic Centre.

Revision: 24.07.2006

Proj4 definition:
```
+proj=utm +zone=47 +a=6377304.063 +b=6356103.038993155 +towgs84=-
11,851,5,0,0,0,0 +units=m +no_defs
```

EPSG 24548, Kertau 1968 / UTM zone 48N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: Defence Geographic Centre.

Revision: 24.07.2006

Proj4 definition:
```
+proj=utm +zone=48 +a=6377304.063 +b=6356103.038993155 +towgs84=-
11,851,5,0,0,0,0 +units=m +no_defs
```

EPSG 24600, KOC Lambert

Scope: Oil industry exploration (but not production - see Ain el Abd / UTM zone 38N, code 20438).

Remarks: Used by KOC for exploration but not engineering (see Ain el Abd / UTM zone 38N, code 20438).

Source:

Revision: 29.05.2007

Proj4 definition:
```
+proj=lcc +lat_1=32.5 +lat_0=32.5 +lon_0=45 +k_0=0.9987864078000001
+x_0=1500000 +y_0=1166200 +ellps=clrk80 +towgs84=-294.7,-
200.1,525.5,0,0,0,0 +units=m +no_defs
```

EPSG 24718, La Canoa / UTM zone 18N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Sometimes referred to as PSAD56 / UTM zone 18N.
Source:
Revision: 20.10.1999
Proj4 definition: `+proj=utm +zone=18 +ellps=intl +towgs84=-273.5,110.6,-357.9,0,0,0,0 +units=m +no_defs`

EPSG 24719, La Canoa / UTM zone 19N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Sometimes referred to as PSAD56 / UTM zone 19N.
Source:
Revision: 20.10.1999
Proj4 definition: `+proj=utm +zone=19 +ellps=intl +towgs84=-273.5,110.6,-357.9,0,0,0,0 +units=m +no_defs`

EPSG 24720, La Canoa / UTM zone 20N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Sometimes referred to as PSAD56 / UTM zone 20N.
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=20 +ellps=intl +towgs84=-273.5,110.6,-357.9,0,0,0,0 +units=m +no_defs`

EPSG 24817, PSAD56 / UTM zone 17N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 01.07.2005
Proj4 definition: `+proj=utm +zone=17 +ellps=intl +units=m +no_defs`

EPSG 24818, PSAD56 / UTM zone 18N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: In Venezuela also known as La Canoa / UTM zone 18N.
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=18 +ellps=intl +units=m +no_defs`

EPSG 24819, PSAD56 / UTM zone 19N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: In Venezuela also known as La Canoa / UTM zone 19N.
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=19 +ellps=intl +units=m +no_defs`

EPSG 24820, PSAD56 / UTM zone 20N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: In Venezuela also known as La Canoa / UTM zone 20N.

Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=20 +ellps=intl +units=m +no_defs

EPSG 24821, PSAD56 / UTM zone 21N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=21 +ellps=intl +units=m +no_defs

EPSG 24877, PSAD56 / UTM zone 17S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=17 +south +ellps=intl +units=m +no_defs

EPSG 24878, PSAD56 / UTM zone 18S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=18 +south +ellps=intl +units=m +no_defs

EPSG 24879, PSAD56 / UTM zone 19S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=19 +south +ellps=intl +units=m +no_defs

EPSG 24880, PSAD56 / UTM zone 20S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=20 +south +ellps=intl +units=m +no_defs

EPSG 24881, PSAD56 / UTM zone 21S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 13.07.2010
Proj4 definition: +proj=utm +zone=21 +south +ellps=intl +units=m +no_defs

EPSG 24882, PSAD56 / UTM zone 22S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 22.04.1999
Proj4 definition: `+proj=utm +zone=22 +south +ellps=intl +units=m +no_defs`

EPSG 24891, PSAD56 / Peru west zone

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition:
```
+proj=tmerc +lat_0=-6 +lon_0=-80.5 +k=0.99983008 +x_0=222000
+y_0=1426834.743 +ellps=intl +units=m +no_defs
```

EPSG 24892, PSAD56 / Peru central zone

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition:
```
+proj=tmerc +lat_0=-9.5 +lon_0=-76 +k=0.99932994 +x_0=720000
+y_0=1039979.159 +ellps=intl +units=m +no_defs
```

EPSG 24893, PSAD56 / Peru east zone

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition:
```
+proj=tmerc +lat_0=-9.5 +lon_0=-70.5 +k=0.99952992 +x_0=1324000
+y_0=1040084.558 +ellps=intl +units=m +no_defs
```

EPSG 25000, Leigon / Ghana Metre Grid

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaced Accra / Ghana National Grid (code 2136) in 1978.
Source:
Revision: 02.06.1995
Proj4 definition:
```
+proj=tmerc +lat_0=4.666666666666667 +lon_0=-1 +k=0.99975
+x_0=274319.51 +y_0=0 +ellps=clrk80 +towgs84=-130,29,364,0,0,0,0
+units=m +no_defs
```

EPSG 25231, Lome / UTM zone 31N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=31 +a=6378249.2 +b=6356515 +units=m +no_defs`

EPSG 25391, Luzon 1911 / Philippines zone I

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaced by PRS92 / Philippines zone 1 (CRS code 3121).
Source:
Revision: 25.03.2012
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=117 +k=0.99995 +x_0=500000 +y_0=0 +ellps=clrk66 +units=m +no_defs`

EPSG 25392, Luzon 1911 / Philippines zone II

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaced by PRS92 / Philippines zone 2 (CRS code 3122).
Source:
Revision: 25.03.2012
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=119 +k=0.99995 +x_0=500000 +y_0=0 +ellps=clrk66 +units=m +no_defs`

EPSG 25393, Luzon 1911 / Philippines zone III

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaced by PRS92 / Philippines zone 3 (CRS code 3123).
Source:
Revision: 25.03.2012
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=121 +k=0.99995 +x_0=500000 +y_0=0 +ellps=clrk66 +units=m +no_defs`

EPSG 25394, Luzon 1911 / Philippines zone IV

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaced by PRS92 / Philippines zone 4 (CRS code 3124).
Source:
Revision: 25.03.2012
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=123 +k=0.99995 +x_0=500000 +y_0=0 +ellps=clrk66 +units=m +no_defs`

EPSG 25395, Luzon 1911 / Philippines zone V

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaced by PRS92 / Philippines zone 5 (CRS code 3125).
Source:
Revision: 25.03.2012
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=125 +k=0.99995 +x_0=500000 +y_0=0 +ellps=clrk66 +units=m +no_defs`

EPSG 25828, ETRS89 / UTM zone 28N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: The distinction in usage between ETRF89 and ETRS89 is confused: although in principle conceptually different in practice both are used as synonyms.
Source:

Revision: 19.10.2000

Proj4 definition: `+proj=utm +zone=28 +ellps=GRS80 +units=m +no_defs`

EPSG 25829, ETRS89 / UTM zone 29N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: The distinction in usage between ETRF89 and ETRS89 is confused: although in principle conceptually different in practice both are used as synonyms.

Source:

Revision: 19.10.2000

Proj4 definition: `+proj=utm +zone=29 +ellps=GRS80 +units=m +no_defs`

EPSG 25830, ETRS89 / UTM zone 30N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: The distinction in usage between ETRF89 and ETRS89 is confused: although in principle conceptually different in practice both are used as synonyms.

Source:

Revision: 19.10.2000

Proj4 definition: `+proj=utm +zone=30 +ellps=GRS80 +units=m +no_defs`

EPSG 25831, ETRS89 / UTM zone 31N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: The distinction in usage between ETRF89 and ETRS89 is confused: although in principle conceptually different in practice both are used as synonyms.

Source:

Revision: 19.10.2000

Proj4 definition: `+proj=utm +zone=31 +ellps=GRS80 +units=m +no_defs`

EPSG 25832, ETRS89 / UTM zone 32N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: The distinction in usage between ETRF89 and ETRS89 is confused: although in principle conceptually different in practice both are used as synonyms.

Source:

Revision: 19.10.2000

Proj4 definition: `+proj=utm +zone=32 +ellps=GRS80 +units=m +no_defs`

EPSG 25833, ETRS89 / UTM zone 33N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: The distinction in usage between ETRF89 and ETRS89 is confused: although in principle conceptually different in practice both are used as

synonyms.

Source:

Revision: 02.06.2009

Proj4 definition: `+proj=utm +zone=33 +ellps=GRS80 +units=m +no_defs`

EPSG 25834, ETRS89 / UTM zone 34N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: The distinction in usage between ETRF89 and ETRS89 is confused: although in principle conceptually different in practice both are used as synonyms.

Source:

Revision: 19.10.2000

Proj4 definition: `+proj=utm +zone=34 +ellps=GRS80 +units=m +no_defs`

EPSG 25835, ETRS89 / UTM zone 35N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: The distinction in usage between ETRF89 and ETRS89 is confused: although in principle conceptually different in practice both are used as synonyms.

Source:

Revision: 19.10.2000

Proj4 definition: `+proj=utm +zone=35 +ellps=GRS80 +units=m +no_defs`

EPSG 25836, ETRS89 / UTM zone 36N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: The distinction in usage between ETRF89 and ETRS89 is confused: although in principle conceptually different in practice both are used as synonyms.

Source:

Revision: 19.10.2000

Proj4 definition: `+proj=utm +zone=36 +ellps=GRS80 +units=m +no_defs`

EPSG 25837, ETRS89 / UTM zone 37N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: The distinction in usage between ETRF89 and ETRS89 is confused: although in principle conceptually different in practice both are used as synonyms.

Source:

Revision: 19.10.2000

Proj4 definition: `+proj=utm +zone=37 +ellps=GRS80 +units=m +no_defs`

EPSG 25884, ETRS89 / TM Baltic93

Scope: Medium and small scale topographic mapping and engineering survey.

Remarks: Used as a common coordinate system for the Baltic states and for medium and small scale mapping since 1993. For large scale applications see CRS codes 3300-01 (Estonia), 3059 (Latvia) and 2600 (Lituania).

Source: http://www.geo.ut.ee/

Revision: 29.09.2005

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=24 +k=0.9996 +x_0=500000 +y_0=0
+ellps=GRS80 +units=m +no_defs
```

EPSG 25932, Malongo 1987 / UTM zone 32S

Scope: Oil industry offshore exploration and production from 1987.

Remarks: Replaced Mhast (offshore) / UTM zone 32S (CRS code 3354) in 1987. References to "Mhast" since 1987 often should have stated "Malongo 1987".

Source: ChevronTexaco.

Revision: 06.01.2006

Proj4 definition:
```
+proj=utm +zone=32 +south +ellps=intl +units=m +no_defs
```

EPSG 26191, Merchich / Nord Maroc

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 19.09.2002

Proj4 definition:
```
+proj=lcc +lat_1=33.3 +lat_0=33.3 +lon_0=-5.4 +k_0=0.999625769
+x_0=500000 +y_0=300000 +a=6378249.2 +b=6356515
+towgs84=31,146,47,0,0,0,0 +units=m +no_defs
```

EPSG 26192, Merchich / Sud Maroc

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 19.09.2002

Proj4 definition:
```
+proj=lcc +lat_1=29.7 +lat_0=29.7 +lon_0=-5.4
+k_0=0.9996155960000001 +x_0=500000 +y_0=300000 +a=6378249.2
+b=6356515 +towgs84=31,146,47,0,0,0,0 +units=m +no_defs
```

EPSG 26194, Merchich / Sahara Nord

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 19.09.2002

Proj4 definition:
```
+proj=lcc +lat_1=26.1 +lat_0=26.1 +lon_0=-5.4 +k_0=0.999616304
+x_0=1200000 +y_0=400000 +a=6378249.2 +b=6356515
+towgs84=31,146,47,0,0,0,0 +units=m +no_defs
```

EPSG 26195, Merchich / Sahara Sud

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 19.09.2002

Proj4 definition: `+proj=lcc +lat_1=22.5 +lat_0=22.5 +lon_0=-5.4 +k_0=0.999616437 +x_0=1500000 +y_0=400000 +a=6378249.2 +b=6356515 +towgs84=31,146,47,0,0,0,0 +units=m +no_defs`

EPSG 26237, Massawa / UTM zone 37N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=37 +ellps=bessel +towgs84=639,405,60,0,0,0,0 +units=m +no_defs`

EPSG 26331, Minna / UTM zone 31N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=31 +ellps=clrk80 +units=m +no_defs`

EPSG 26332, Minna / UTM zone 32N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: There is some use of this projected CRS in E&P to facilitate area calculations of those offshore deepwater Nigerian blocks falling mainly within zone 32N but with some portion of the block west of 6°E longitude.

Source: OGP

Revision: 25.02.2011

Proj4 definition: `+proj=utm +zone=32 +ellps=clrk80 +units=m +no_defs`

EPSG 26391, Minna / Nigeria West Belt

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=tmerc +lat_0=4 +lon_0=4.5 +k=0.99975 +x_0=230738.26 +y_0=0 +ellps=clrk80 +units=m +no_defs`

EPSG 26392, Minna / Nigeria Mid Belt

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=tmerc +lat_0=4 +lon_0=8.5 +k=0.99975 +x_0=670553.98 +y_0=0 +ellps=clrk80 +units=m +no_defs`

EPSG 26393, Minna / Nigeria East Belt

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=tmerc +lat_0=4 +lon_0=12.5 +k=0.99975 +x_0=1110369.7 +y_0=0 +ellps=clrk80 +units=m +no_defs`

EPSG 26632, M'poraloko / UTM zone 32N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=32 +a=6378249.2 +b=6356515 +units=m +no_defs`

EPSG 26692, M'poraloko / UTM zone 32S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=32 +south +a=6378249.2 +b=6356515 +units=m +no_defs`

EPSG 26701, NAD27 / UTM zone 1N

Scope: Medium scale topographic mapping.
Remarks:
Source: US Geological Survey
Revision: 16.03.2006
Proj4 definition: `+proj=utm +zone=1 +ellps=clrk66 +datum=NAD27 +units=m +no_defs`

EPSG 26702, NAD27 / UTM zone 2N

Scope: Medium scale topographic mapping.
Remarks:
Source: US Geological Survey
Revision: 16.03.2006
Proj4 definition: `+proj=utm +zone=2 +ellps=clrk66 +datum=NAD27 +units=m +no_defs`

EPSG 26703, NAD27 / UTM zone 3N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=3 +ellps=clrk66 +datum=NAD27 +units=m +no_defs`

EPSG 26704, NAD27 / UTM zone 4N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:

Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=4 +ellps=clrk66 +datum=NAD27 +units=m +no_defs

EPSG 26705, NAD27 / UTM zone 5N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=5 +ellps=clrk66 +datum=NAD27 +units=m +no_defs

EPSG 26706, NAD27 / UTM zone 6N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=6 +ellps=clrk66 +datum=NAD27 +units=m +no_defs

EPSG 26707, NAD27 / UTM zone 7N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=7 +ellps=clrk66 +datum=NAD27 +units=m +no_defs

EPSG 26708, NAD27 / UTM zone 8N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=8 +ellps=clrk66 +datum=NAD27 +units=m +no_defs

EPSG 26709, NAD27 / UTM zone 9N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=9 +ellps=clrk66 +datum=NAD27 +units=m +no_defs

EPSG 26710, NAD27 / UTM zone 10N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=10 +ellps=clrk66 +datum=NAD27 +units=m +no_defs

EPSG 26711, NAD27 / UTM zone 11N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: In Mexico, replaced by Mexican Datum of 1993 / UTM zone 11N (code 4484). In Canada and USA, replaced by NAD83 / UTM zone 11N (code 26911).

Source:

Revision: 24.11.2009

Proj4 definition: `+proj=utm +zone=11 +ellps=clrk66 +datum=NAD27 +units=m +no_defs`

EPSG 26712, NAD27 / UTM zone 12N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: In Mexico, replaced by Mexican Datum of 1993 / UTM zone 12N (code 4485). In Canada and USA, replaced by NAD83 / UTM zone 12N (code 26912).

Source:

Revision: 24.11.2009

Proj4 definition: `+proj=utm +zone=12 +ellps=clrk66 +datum=NAD27 +units=m +no_defs`

EPSG 26713, NAD27 / UTM zone 13N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: In Mexico, replaced by Mexican Datum of 1993 / UTM zone 13N (code 4484). In Canada and USA, replaced by NAD83 / UTM zone 13N (code 26913).

Source:

Revision: 24.11.2009

Proj4 definition: `+proj=utm +zone=13 +ellps=clrk66 +datum=NAD27 +units=m +no_defs`

EPSG 26714, NAD27 / UTM zone 14N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: See NAD27 / BLM 14N (ftUS) (code 32064) for non-metric equivalent used in US Gulf of Mexico. In Mexico, replaced by Mexicand Datum of 1993 / UTM zone 14N (code 4487). In Canada and USA, replaced by NAD83 / UTM zone 14N (code 26914).

Source:

Revision: 24.11.2009

Proj4 definition: `+proj=utm +zone=14 +ellps=clrk66 +datum=NAD27 +units=m +no_defs`

EPSG 26715, NAD27 / UTM zone 15N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced by NAD27(76) / UTM 15N (code 2027) in Ontario, by NAD83 / UTM 15N (code 26915) elsewhere in Canada & USA, & by Mexican Datum of 1993 / UTM 15N (code 4488) in Mexico. See NAD27 / BLM 15N (ftUS) (code 32065) for ftUS equivalent used in US GoM.

Source:

Revision: 24.11.2009

Proj4 definition: `+proj=utm +zone=15 +ellps=clrk66 +datum=NAD27 +units=m +no_defs`

EPSG 26716, NAD27 / UTM zone 16N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced by NAD27(76) / UTM 16N (code 2028) in Ontario, by NAD83 / UTM 16N (code 26916) elsewhere in Canada and USA, and by Mexican Datum of 1993 / UTM 16N (code 4489) in Mexico. See NAD27 / BLM 16N (ftUS) (code 32066) for ftUS equivalent used in US GoM.

Source:

Revision: 24.11.2009

Proj4 definition: `+proj=utm +zone=16 +ellps=clrk66 +datum=NAD27 +units=m +no_defs`

EPSG 26717, NAD27 / UTM zone 17N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: In Ontario replaced by NAD27(76) / UTM zone 17N (code 2029). In Quebec replaced by NAD27(CGQ77) / UTM zone 17N (code 2031). See NAD27 / BLM 17N (feet) (code 32067) for non-metric equivalent used in US Gulf of Mexico.

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=17 +ellps=clrk66 +datum=NAD27 +units=m +no_defs`

EPSG 26718, NAD27 / UTM zone 18N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: In Ontario replaced by NAD27(76) / UTM zone 18N (code 2030). In Quebec replaced by NAD27(CGQ77) / UTM zone 18N (code 2032).

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=18 +ellps=clrk66 +datum=NAD27 +units=m +no_defs`

EPSG 26719, NAD27 / UTM zone 19N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: In Quebec replaced by NAD27(CGQ77) / UTM zone 19N (code 2033).

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=19 +ellps=clrk66 +datum=NAD27 +units=m +no_defs`

EPSG 26720, NAD27 / UTM zone 20N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: In Quebec replaced by NAD27(CGQ77) / UTM zone 20N (code 2034).

Source:

Revision: 02.06.1995

Proj4 definition: +proj=utm +zone=20 +ellps=clrk66 +datum=NAD27 +units=m +no_defs

EPSG 26721, NAD27 / UTM zone 21N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: In Quebec replaced by NAD27(CGQ77) / UTM zone 21N (code 2035).
Source:
Revision: 20.07.2011
Proj4 definition: +proj=utm +zone=21 +ellps=clrk66 +datum=NAD27 +units=m +no_defs

EPSG 26722, NAD27 / UTM zone 22N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=22 +ellps=clrk66 +datum=NAD27 +units=m +no_defs

EPSG 26729, NAD27 / Alabama East

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=tmerc +lat_0=30.5 +lon_0=-85.83333333333333 +k=0.99996 +x_0=152400.3048006096 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs

EPSG 26730, NAD27 / Alabama West

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=tmerc +lat_0=30 +lon_0=-87.5 +k=0.999933333 +x_0=152400.3048006096 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs

EPSG 26731, NAD27 / Alaska zone 1

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=omerc +lat_0=57 +lonc=-133.6666666666667 +alpha=323.1301023611111 +k=0.9999 +x_0=5000000.001016002 +y_0=-5000000.001016002 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs

EPSG 26732, NAD27 / Alaska zone 2

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995

Proj4 definition: `+proj=tmerc +lat_0=54 +lon_0=-142 +k=0.9999 +x_0=152400.3048006096 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 26733, NAD27 / Alaska zone 3

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=tmerc +lat_0=54 +lon_0=-146 +k=0.9999 +x_0=152400.3048006096 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 26734, NAD27 / Alaska zone 4

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=tmerc +lat_0=54 +lon_0=-150 +k=0.9999 +x_0=152400.3048006096 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 26735, NAD27 / Alaska zone 5

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=tmerc +lat_0=54 +lon_0=-154 +k=0.9999 +x_0=152400.3048006096 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 26736, NAD27 / Alaska zone 6

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=tmerc +lat_0=54 +lon_0=-158 +k=0.9999 +x_0=152400.3048006096 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 26737, NAD27 / Alaska zone 7

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=tmerc +lat_0=54 +lon_0=-162 +k=0.9999 +x_0=213360.4267208534 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 26738, NAD27 / Alaska zone 8

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=tmerc +lat_0=54 +lon_0=-166 +k=0.9999 +x_0=152400.3048006096 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 26739, NAD27 / Alaska zone 9

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=tmerc +lat_0=54 +lon_0=-170 +k=0.9999 +x_0=182880.3657607315 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 26740, NAD27 / Alaska zone 10

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=lcc +lat_1=53.83333333333334 +lat_2=51.83333333333334 +lat_0=51 +lon_0=-176 +x_0=914401.8288036576 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 26741, NAD27 / California zone I

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=lcc +lat_1=41.66666666666666 +lat_2=40 +lat_0=39.33333333333334 +lon_0=-122 +x_0=609601.2192024384 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 26742, NAD27 / California zone II

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=lcc +lat_1=39.83333333333334 +lat_2=38.33333333333334 +lat_0=37.66666666666666 +lon_0=-122 +x_0=609601.2192024384 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 26743, NAD27 / California zone III

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995

Proj4 definition: `+proj=lcc +lat_1=38.43333333333333 +lat_2=37.06666666666667 +lat_0=36.5 +lon_0=-120.5 +x_0=609601.2192024384 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 26744, NAD27 / California zone IV

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=lcc +lat_1=37.25 +lat_2=36 +lat_0=35.33333333333334 +lon_0=-119 +x_0=609601.2192024384 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 26745, NAD27 / California zone V

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=lcc +lat_1=35.46666666666667 +lat_2=34.03333333333333 +lat_0=33.5 +lon_0=-118 +x_0=609601.2192024384 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 26746, NAD27 / California zone VI

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=lcc +lat_1=33.88333333333333 +lat_2=32.78333333333333 +lat_0=32.16666666666666 +lon_0=-116.25 +x_0=609601.2192024384 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 26748, NAD27 / Arizona East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 07.03.2000

Proj4 definition: `+proj=tmerc +lat_0=31 +lon_0=-110.1666666666667 +k=0.9999 +x_0=152400.3048006096 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 26749, NAD27 / Arizona Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 22.08.1995

Proj4 definition: `+proj=tmerc +lat_0=31 +lon_0=-111.9166666666667 +k=0.9999 +x_0=152400.3048006096 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 26750, NAD27 / Arizona West

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 07.03.2000
Proj4 definition: `+proj=tmerc +lat_0=31 +lon_0=-113.75 +k=0.999933333 +x_0=152400.3048006096 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 26751, NAD27 / Arkansas North

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=lcc +lat_1=36.23333333333333 +lat_2=34.93333333333333 +lat_0=34.33333333333334 +lon_0=-92 +x_0=609601.2192024384 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 26752, NAD27 / Arkansas South

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=lcc +lat_1=34.76666666666667 +lat_2=33.3 +lat_0=32.66666666666666 +lon_0=-92 +x_0=609601.2192024384 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 26753, NAD27 / Colorado North

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=lcc +lat_1=39.71666666666667 +lat_2=40.78333333333333 +lat_0=39.33333333333334 +lon_0=-105.5 +x_0=609601.2192024384 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 26754, NAD27 / Colorado Central

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=lcc +lat_1=39.75 +lat_2=38.45 +lat_0=37.83333333333334 +lon_0=-105.5 +x_0=609601.2192024384 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 26755, NAD27 / Colorado South

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995

Proj4 definition: `+proj=lcc +lat_1=38.43333333333333 +lat_2=37.23333333333333 +lat_0=36.66666666666666 +lon_0=-105.5 +x_0=609601.2192024384 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 26756, NAD27 / Connecticut

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 07.03.2000

Proj4 definition: `+proj=lcc +lat_1=41.86666666666667 +lat_2=41.2 +lat_0=40.83333333333334 +lon_0=-72.75 +x_0=182880.3657607315 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 26757, NAD27 / Delaware

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 07.03.2000

Proj4 definition: `+proj=tmerc +lat_0=38 +lon_0=-75.41666666666667 +k=0.999995 +x_0=152400.3048006096 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 26758, NAD27 / Florida East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 07.03.2000

Proj4 definition: `+proj=tmerc +lat_0=24.33333333333333 +lon_0=-81 +k=0.999941177 +x_0=152400.3048006096 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 26759, NAD27 / Florida West

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 07.03.2000

Proj4 definition: `+proj=tmerc +lat_0=24.33333333333333 +lon_0=-82 +k=0.999941177 +x_0=152400.3048006096 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 26760, NAD27 / Florida North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=lcc +lat_1=30.75 +lat_2=29.58333333333333 +lat_0=29 +lon_0=-84.5 +x_0=609601.2192024384 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 26766, NAD27 / Georgia East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 07.03.2000

Proj4 definition:
```
+proj=tmerc +lat_0=30 +lon_0=-82.16666666666667 +k=0.9999
+x_0=152400.3048006096 +y_0=0 +ellps=clrk66 +datum=NAD27
+to_meter=0.3048006096012192 +no_defs
```

EPSG 26767, NAD27 / Georgia West

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 07.03.2000

Proj4 definition:
```
+proj=tmerc +lat_0=30 +lon_0=-84.16666666666667 +k=0.9999
+x_0=152400.3048006096 +y_0=0 +ellps=clrk66 +datum=NAD27
+to_meter=0.3048006096012192 +no_defs
```

EPSG 26768, NAD27 / Idaho East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 07.03.2000

Proj4 definition:
```
+proj=tmerc +lat_0=41.66666666666666 +lon_0=-112.1666666666667
+k=0.9999473679999999 +x_0=152400.3048006096 +y_0=0 +ellps=clrk66
+datum=NAD27 +to_meter=0.3048006096012192 +no_defs
```

EPSG 26769, NAD27 / Idaho Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 07.03.2000

Proj4 definition:
```
+proj=tmerc +lat_0=41.66666666666666 +lon_0=-114
+k=0.9999473679999999 +x_0=152400.3048006096 +y_0=0 +ellps=clrk66
+datum=NAD27 +to_meter=0.3048006096012192 +no_defs
```

EPSG 26770, NAD27 / Idaho West

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 07.03.2000

Proj4 definition:
```
+proj=tmerc +lat_0=41.66666666666666 +lon_0=-115.75 +k=0.999933333
+x_0=152400.3048006096 +y_0=0 +ellps=clrk66 +datum=NAD27
+to_meter=0.3048006096012192 +no_defs
```

EPSG 26771, NAD27 / Illinois East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 07.03.2000

Proj4 definition: `+proj=tmerc +lat_0=36.66666666666666 +lon_0=-88.33333333333333 +k=0.9999749999999999 +x_0=152400.3048006096 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 26772, NAD27 / Illinois West

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 07.03.2000

Proj4 definition: `+proj=tmerc +lat_0=36.66666666666666 +lon_0=-90.16666666666667 +k=0.999941177 +x_0=152400.3048006096 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 26773, NAD27 / Indiana East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 07.03.2000

Proj4 definition: `+proj=tmerc +lat_0=37.5 +lon_0=-85.66666666666667 +k=0.999966667 +x_0=152400.3048006096 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 26774, NAD27 / Indiana West

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 07.03.2000

Proj4 definition: `+proj=tmerc +lat_0=37.5 +lon_0=-87.08333333333333 +k=0.999966667 +x_0=152400.3048006096 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 26775, NAD27 / Iowa North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=lcc +lat_1=43.26666666666667 +lat_2=42.06666666666667 +lat_0=41.5 +lon_0=-93.5 +x_0=609601.2192024384 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 26776, NAD27 / Iowa South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=lcc +lat_1=41.78333333333333 +lat_2=40.61666666666667 +lat_0=40 +lon_0=-93.5 +x_0=609601.2192024384 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 26777, NAD27 / Kansas North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition:
```
+proj=lcc +lat_1=39.78333333333333 +lat_2=38.71666666666667
+lat_0=38.33333333333334 +lon_0=-98 +x_0=609601.2192024384 +y_0=0
+ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs
```

EPSG 26778, NAD27 / Kansas South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition:
```
+proj=lcc +lat_1=38.56666666666667 +lat_2=37.26666666666667
+lat_0=36.66666666666666 +lon_0=-98.5 +x_0=609601.2192024384 +y_0=0
+ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs
```

EPSG 26779, NAD27 / Kentucky North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition:
```
+proj=lcc +lat_1=37.96666666666667 +lat_2=38.96666666666667
+lat_0=37.5 +lon_0=-84.25 +x_0=609601.2192024384 +y_0=0
+ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs
```

EPSG 26780, NAD27 / Kentucky South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition:
```
+proj=lcc +lat_1=36.73333333333333 +lat_2=37.93333333333333
+lat_0=36.33333333333334 +lon_0=-85.75 +x_0=609601.2192024384
+y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192
+no_defs
```

EPSG 26781, NAD27 / Louisiana North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition:
```
+proj=lcc +lat_1=31.16666666666667 +lat_2=32.66666666666666
+lat_0=30.66666666666667 +lon_0=-92.5 +x_0=609601.2192024384 +y_0=0
+ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs
```

EPSG 26782, NAD27 / Louisiana South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=lcc +lat_1=29.3 +lat_2=30.7 +lat_0=28.66666666666667 +lon_0=-91.33333333333333 +x_0=609601.2192024384 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 26783, NAD27 / Maine East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced by Maine Coordinate System of 1983.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 08.02.2008

Proj4 definition: `+proj=tmerc +lat_0=43.83333333333334 +lon_0=-68.5 +k=0.9999 +x_0=152400.3048006096 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 26784, NAD27 / Maine West

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced by Maine Coordinate System of 1983.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 08.02.2008

Proj4 definition: `+proj=tmerc +lat_0=42.83333333333334 +lon_0=-70.16666666666667 +k=0.999966667 +x_0=152400.3048006096 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 26785, NAD27 / Maryland

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 07.03.2000

Proj4 definition: `+proj=lcc +lat_1=38.3 +lat_2=39.45 +lat_0=37.83333333333334 +lon_0=-77 +x_0=243840.4876809754 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 26786, NAD27 / Massachusetts Mainland

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=lcc +lat_1=41.71666666666667 +lat_2=42.68333333333333 +lat_0=41 +lon_0=-71.5 +x_0=182880.3657607315 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 26787, NAD27 / Massachusetts Island

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=lcc +lat_1=41.28333333333333 +lat_2=41.48333333333333 +lat_0=41 +lon_0=-70.5 +x_0=60960.12192024384 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 26791, NAD27 / Minnesota North

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=lcc +lat_1=47.03333333333333 +lat_2=48.63333333333333 +lat_0=46.5 +lon_0=-93.09999999999999 +x_0=609601.2192024384 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 26792, NAD27 / Minnesota Central

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=lcc +lat_1=45.61666666666667 +lat_2=47.05 +lat_0=45 +lon_0=-94.25 +x_0=609601.2192024384 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 26793, NAD27 / Minnesota South

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=lcc +lat_1=43.78333333333333 +lat_2=45.21666666666667 +lat_0=43 +lon_0=-94 +x_0=609601.2192024384 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 26794, NAD27 / Mississippi East

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=tmerc +lat_0=29.66666666666667 +lon_0=-88.83333333333333 +k=0.99996 +x_0=152400.3048006096 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 26795, NAD27 / Mississippi West

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=tmerc +lat_0=30.5 +lon_0=-90.33333333333333 +k=0.999941177 +x_0=152400.3048006096 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 26796, NAD27 / Missouri East

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 07.03.2000

Proj4 definition:
```
+proj=tmerc +lat_0=35.83333333333334 +lon_0=-90.5 +k=0.999933333
+x_0=152400.3048006096 +y_0=0 +ellps=clrk66 +datum=NAD27
+to_meter=0.3048006096012192 +no_defs
```

EPSG 26797, NAD27 / Missouri Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition:
```
+proj=tmerc +lat_0=35.83333333333334 +lon_0=-92.5 +k=0.999933333
+x_0=152400.3048006096 +y_0=0 +ellps=clrk66 +datum=NAD27
+to_meter=0.3048006096012192 +no_defs
```

EPSG 26798, NAD27 / Missouri West

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition:
```
+proj=tmerc +lat_0=36.16666666666666 +lon_0=-94.5 +k=0.999941177
+x_0=152400.3048006096 +y_0=0 +ellps=clrk66 +datum=NAD27
+to_meter=0.3048006096012192 +no_defs
```

EPSG 26799, NAD27 / California zone VII

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 05.07.2005

Proj4 definition:
```
+proj=lcc +lat_1=34.41666666666666 +lat_2=33.86666666666667
+lat_0=34.13333333333333 +lon_0=-118.3333333333333
+x_0=1276106.450596901 +y_0=1268253.006858014 +ellps=clrk66
+datum=NAD27 +to_meter=0.3048006096012192 +no_defs
```

EPSG 26811, NAD Michigan / Michigan North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD27 / Michigan West zone (CRS code 5625).

Source: National Geodetic Survey publication 65-1 part 52.

Revision: 08.10.2011

Proj4 definition:
```
+proj=lcc +lat_1=45.48333333333333 +lat_2=47.08333333333334
+lat_0=44.78333333333333 +lon_0=-87 +x_0=609601.2192024384 +y_0=0
+a=6378450.047548896 +b=6356826.621488444
+to_meter=0.3048006096012192 +no_defs
```

EPSG 26812, NAD Michigan / Michigan Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: This and NAD Michigan / Michigan South (CRS code 26813) replace NAD27 / Michigan Old Central and East zones (CRS codes 5623-24).

Source: National Geodetic Survey publication 65-1 part 52.

Revision: 08.10.2011

Proj4 definition:
```
+proj=lcc +lat_1=44.18333333333333 +lat_2=45.7
+lat_0=43.31666666666667 +lon_0=-84.33333333333333
+x_0=609601.2192024384 +y_0=0 +a=6378450.047548896
```

+b=6356826.621488444 +to_meter=0.3048006096012192 +no_defs

EPSG 26813, NAD Michigan / Michigan South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: This and NAD Michigan / Michigan Central (CRS code 26812) replace NAD27 / Michigan Old Central and East zones (CRS codes 5623-24).

Source: National Geodetic Survey publication 65-1 part 52.

Revision: 08.10.2011

Proj4 definition:
```
+proj=lcc +lat_1=42.1 +lat_2=43.66666666666666 +lat_0=41.5 +lon_0=-
84.33333333333333 +x_0=609601.2192024384 +y_0=0
+a=6378450.047548896 +b=6356826.621488444
+to_meter=0.3048006096012192 +no_defs
```

EPSG 26847, NAD83 / Maine East (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 26983. For applications with an accuracy of better than 3ft, replaced by NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 28.05.2008

Proj4 definition:
```
+proj=tmerc +lat_0=43.66666666666666 +lon_0=-68.5 +k=0.9999
+x_0=300000.0000000001 +y_0=0 +ellps=GRS80 +datum=NAD83
+to_meter=0.3048006096012192 +no_defs
```

EPSG 26848, NAD83 / Maine West (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 26984. For applications with an accuracy of better than 3ft, replaced by NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 28.05.2008

Proj4 definition:
```
+proj=tmerc +lat_0=42.83333333333334 +lon_0=-70.16666666666667
+k=0.999966667 +x_0=900000 +y_0=0 +ellps=GRS80 +datum=NAD83
+to_meter=0.3048006096012192 +no_defs
```

EPSG 26849, NAD83 / Minnesota North (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 26991. For applications with an accuracy of better than 3ft, replaced by NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 28.05.2008

Proj4 definition:
```
+proj=lcc +lat_1=48.63333333333333 +lat_2=47.03333333333333
+lat_0=46.5 +lon_0=-93.09999999999999 +x_0=800000.0000101599
+y_0=99999.99998983997 +ellps=GRS80 +datum=NAD83
+to_meter=0.3048006096012192 +no_defs
```

EPSG 26850, NAD83 / Minnesota Central (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 26992. For applications with an accuracy of better than 3ft, replaced

by NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 28.05.2008

Proj4 definition:
```
+proj=lcc +lat_1=47.05 +lat_2=45.61666666666667 +lat_0=45 +lon_0=-
94.25 +x_0=800000.0000101599 +y_0=99999.99998983997 +ellps=GRS80
+datum=NAD83 +to_meter=0.3048006096012192 +no_defs
```

EPSG 26851, NAD83 / Minnesota South (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 26993. For applications with an accuracy of better than 3ft, replaced by NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 28.05.2008

Proj4 definition:
```
+proj=lcc +lat_1=45.21666666666667 +lat_2=43.78333333333333
+lat_0=43 +lon_0=-94 +x_0=800000.0000101599 +y_0=99999.99998983997
+ellps=GRS80 +datum=NAD83 +to_meter=0.3048006096012192 +no_defs
```

EPSG 26852, NAD83 / Nebraska (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 32104. For applications with an accuracy of better than 3ft, replaced by NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 19.06.2008

Proj4 definition:
```
+proj=lcc +lat_1=43 +lat_2=40 +lat_0=39.83333333333334 +lon_0=-100
+x_0=500000.00001016 +y_0=0 +ellps=GRS80 +datum=NAD83
+to_meter=0.3048006096012192 +no_defs
```

EPSG 26853, NAD83 / West Virginia North (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 32150. For applications with an accuracy of better than 3ft, replaced by NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 23.06.2008

Proj4 definition:
```
+proj=lcc +lat_1=40.25 +lat_2=39 +lat_0=38.5 +lon_0=-79.5
+x_0=600000 +y_0=0 +ellps=GRS80 +datum=NAD83
+to_meter=0.3048006096012192 +no_defs
```

EPSG 26854, NAD83 / West Virginia South (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 32151. For applications with an accuracy of better than 3ft, replaced by NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 23.06.2008

Proj4 definition:
```
+proj=lcc +lat_1=38.88333333333333 +lat_2=37.48333333333333
+lat_0=37 +lon_0=-81 +x_0=600000 +y_0=0 +ellps=GRS80 +datum=NAD83
+to_meter=0.3048006096012192 +no_defs
```

EPSG 26855, NAD83(HARN) / Maine East (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 2802. Replaces NAD83 / SPCS for applications with an accuracy of better than 3ft. Replaced by NAD83(NSRS2007) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 28.05.2008

Proj4 definition:
```
+proj=tmerc +lat_0=43.66666666666666 +lon_0=-68.5 +k=0.9999
+x_0=300000.0000000001 +y_0=0 +ellps=GRS80
+to_meter=0.3048006096012192 +no_defs
```

EPSG 26856, NAD83(HARN) / Maine West (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 2803. Replaces NAD83 / SPCS for applications with an accuracy of better than 3ft. Replaced by NAD83(NSRS2007) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 28.05.2008

Proj4 definition:
```
+proj=tmerc +lat_0=42.83333333333334 +lon_0=-70.16666666666667
+k=0.999966667 +x_0=900000 +y_0=0 +ellps=GRS80
+to_meter=0.3048006096012192 +no_defs
```

EPSG 26857, NAD83(HARN) / Minnesota North (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 2810. Replaces NAD83 / SPCS for applications with an accuracy of better than 3ft. Replaced by NAD83(NSRS2007) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 28.05.2008

Proj4 definition:
```
+proj=lcc +lat_1=48.63333333333333 +lat_2=47.03333333333333
+lat_0=46.5 +lon_0=-93.09999999999999 +x_0=800000.0000101599
+y_0=99999.99998983997 +ellps=GRS80 +to_meter=0.3048006096012192
+no_defs
```

EPSG 26858, NAD83(HARN) / Minnesota Central (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 2811. Replaces NAD83 / SPCS for applications with an accuracy of better than 3ft. Replaced by NAD83(NSRS2007) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 28.05.2008

Proj4 definition:
```
+proj=lcc +lat_1=47.05 +lat_2=45.61666666666667 +lat_0=45 +lon_0=-
94.25 +x_0=800000.0000101599 +y_0=99999.99998983997 +ellps=GRS80
+to_meter=0.3048006096012192 +no_defs
```

EPSG 26859, NAD83(HARN) / Minnesota South (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 2812. Replaces NAD83 / SPCS for applications with an accuracy of better than 3ft. Replaced by NAD83(NSRS2007) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 28.05.2008

Proj4 definition:
```
+proj=lcc +lat_1=45.21666666666667 +lat_2=43.78333333333333
+lat_0=43 +lon_0=-94 +x_0=800000.0000101599 +y_0=99999.99998983997
+ellps=GRS80 +to_meter=0.3048006096012192 +no_defs
```

EPSG 26860, NAD83(HARN) / Nebraska (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 2819. Replaces NAD83 / SPCS for applications with an accuracy of better than 3ft. Replaced by NAD83(NSRS2007) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 19.06.2008

Proj4 definition:
```
+proj=lcc +lat_1=43 +lat_2=40 +lat_0=39.83333333333334 +lon_0=-100
+x_0=500000.00001016 +y_0=0 +ellps=GRS80
+to_meter=0.3048006096012192 +no_defs
```

EPSG 26861, NAD83(HARN) / West Virginia North (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 2857. Replaces NAD83 / SPCS for applications with an accuracy of better than 3ft. Replaced by NAD83(NSRS2007) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 23.06.2008

Proj4 definition:
```
+proj=lcc +lat_1=40.25 +lat_2=39 +lat_0=38.5 +lon_0=-79.5
+x_0=600000 +y_0=0 +ellps=GRS80 +to_meter=0.3048006096012192
+no_defs
```

EPSG 26862, NAD83(HARN) / West Virginia South (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 2858. Replaces NAD83 / SPCS for applications with an accuracy of better than 3ft. Replaced by NAD83(NSRS2007) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 23.06.2008

Proj4 definition:
```
+proj=lcc +lat_1=38.88333333333333 +lat_2=37.48333333333333
+lat_0=37 +lon_0=-81 +x_0=600000 +y_0=0 +ellps=GRS80
+to_meter=0.3048006096012192 +no_defs
```

EPSG 26863, NAD83(NSRS2007) / Maine East (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3557. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 28.05.2008

Proj4 definition:
```
+proj=tmerc +lat_0=43.66666666666666 +lon_0=-68.5 +k=0.9999
+x_0=300000.0000000001 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0
+to_meter=0.3048006096012192 +no_defs
```

EPSG 26864, NAD83(NSRS2007) / Maine West (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3558. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 28.05.2008

Proj4 definition:
```
+proj=tmerc +lat_0=42.83333333333334 +lon_0=-70.16666666666667
+k=0.999966667 +x_0=900000 +y_0=0 +ellps=GRS80
+towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192 +no_defs
```

EPSG 26865, NAD83(NSRS2007) / Minnesota North (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3595. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 28.05.2008

Proj4 definition:
```
+proj=lcc +lat_1=48.63333333333333 +lat_2=47.03333333333333
+lat_0=46.5 +lon_0=-93.09999999999999 +x_0=800000.0000101599
+y_0=99999.99998983997 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0
+to_meter=0.3048006096012192 +no_defs
```

EPSG 26866, NAD83(NSRS2007) / Minnesota Central (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3594. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 28.05.2008

Proj4 definition:
```
+proj=lcc +lat_1=47.05 +lat_2=45.61666666666667 +lat_0=45 +lon_0=-
94.25 +x_0=800000.0000101599 +y_0=99999.99998983997 +ellps=GRS80
+towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192 +no_defs
```

EPSG 26867, NAD83(NSRS2007) / Minnesota South (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3596. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 28.05.2008

Proj4 definition:
```
+proj=lcc +lat_1=45.21666666666667 +lat_2=43.78333333333333
+lat_0=43 +lon_0=-94 +x_0=800000.0000101599 +y_0=99999.99998983997
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192
+no_defs
```

EPSG 26868, NAD83(NSRS2007) / Nebraska (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3606. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 19.06.2008

Proj4 definition:
```
+proj=lcc +lat_1=43 +lat_2=40 +lat_0=39.83333333333334 +lon_0=-100
+x_0=500000.00001016 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0
+to_meter=0.3048006096012192 +no_defs
```

EPSG 26869, NAD83(NSRS2007) / West Virginia North (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3693. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 23.06.2008

Proj4 definition:
```
+proj=lcc +lat_1=40.25 +lat_2=39 +lat_0=38.5 +lon_0=-79.5
+x_0=600000 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0
+to_meter=0.3048006096012192 +no_defs
```

EPSG 26870, NAD83(NSRS2007) / West Virginia South (ftUS)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines use of US survey feet. Federal definition is metric - see code 3694. Replaces NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 23.06.2008

Proj4 definition:
```
+proj=lcc +lat_1=38.88333333333333 +lat_2=37.48333333333333
+lat_0=37 +lon_0=-81 +x_0=600000 +y_0=0 +ellps=GRS80
+towgs84=0,0,0,0,0,0,0 +to_meter=0.3048006096012192 +no_defs
```

EPSG 26891, NAD83(CSRS) / MTM zone 11

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: Surveys and Mapping Section; Ontario Ministry of Transportation.

Revision: 08.02.2008

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=-82.5 +k=0.9999 +x_0=304800 +y_0=0
+ellps=GRS80 +units=m +no_defs
```

EPSG 26892, NAD83(CSRS) / MTM zone 12

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: Surveys and Mapping Section; Ontario Ministry of Transportation.

Revision: 08.02.2008

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=-81 +k=0.9999 +x_0=304800 +y_0=0
+ellps=GRS80 +units=m +no_defs
```

EPSG 26893, NAD83(CSRS) / MTM zone 13

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: Surveys and Mapping Section; Ontario Ministry of Transportation.

Revision: 08.02.2008

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=-84 +k=0.9999 +x_0=304800 +y_0=0
+ellps=GRS80 +units=m +no_defs
```

EPSG 26894, NAD83(CSRS) / MTM zone 14

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: Surveys and Mapping Section; Ontario Ministry of Transportation.
Revision: 08.02.2008
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-87 +k=0.9999 +x_0=304800 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 26895, NAD83(CSRS) / MTM zone 15

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Surveys and Mapping Section; Ontario Ministry of Transportation.
Revision: 08.02.2008
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-90 +k=0.9999 +x_0=304800 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 26896, NAD83(CSRS) / MTM zone 16

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Surveys and Mapping Section; Ontario Ministry of Transportation.
Revision: 08.02.2008
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-93 +k=0.9999 +x_0=304800 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 26897, NAD83(CSRS) / MTM zone 17

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Surveys and Mapping Section; Ontario Ministry of Transportation.
Revision: 08.02.2008
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-96 +k=0.9999 +x_0=304800 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 26898, NAD83(CSRS) / MTM zone 1

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Geodetic Surveys Section; Newfoundland Department of Government Services and Lands.
Revision: 08.02.2008
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-53 +k=0.9999 +x_0=304800 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 26899, NAD83(CSRS) / MTM zone 2

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: Geodetic Surveys Section; Newfoundland Department of Government Services and Lands.
Revision: 08.02.2008
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-56 +k=0.9999 +x_0=304800 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 26901, NAD83 / UTM zone 1N

Scope: Medium scale topographic mapping.

Remarks: Replaces NAD27 / UTM zone 1N. For accuracies better than 1m replaced by NAD83(NSRS) / UTM zone 1N.

Source: US Geological Survey

Revision: 29.05.2007

Proj4 definition: `+proj=utm +zone=1 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26902, NAD83 / UTM zone 2N

Scope: Medium scale topographic mapping.

Remarks: Replaces NAD27 / UTM zone 2N. For accuracies better than 1m replaced by NAD83(NSRS) / UTM zone 2N.

Source: US Geological Survey

Revision: 29.05.2007

Proj4 definition: `+proj=utm +zone=2 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26903, NAD83 / UTM zone 3N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD27 / UTM zone 3N. For accuracies better than 1m replaced by NAD83(NSRS) / UTM zone 3N.

Source:

Revision: 29.05.2007

Proj4 definition: `+proj=utm +zone=3 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26904, NAD83 / UTM zone 4N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD27 / UTM zone 4N in Alaska and Old Hawaii / UTM zone 4N in Hawaii. For accuracies better than 1m replaced by NAD83(NSRS) / UTM zone 4N in Alaska and NAD83(HARN) UTM zone 4N in Hawaii.

Source:

Revision: 29.05.2007

Proj4 definition: `+proj=utm +zone=4 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26905, NAD83 / UTM zone 5N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD27 / UTM zone 5N in Alaska and Old Hawaii / UTM zone 5N in Hawaii. For accuracies better than 1m replaced by NAD83(NSRS) / UTM zone 5N in Alaska and NAD83(HARN) UTM zone 5N in Hawaii.

Source:

Revision: 29.05.2007

Proj4 definition: `+proj=utm +zone=5 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26906, NAD83 / UTM zone 6N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD27 / UTM zone 6N. For accuracies better than 1m replaced by NAD83(NSRS) / UTM zone 6N.

Source:

Revision: 29.05.2007

Proj4 definition: `+proj=utm +zone=6 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26907, NAD83 / UTM zone 7N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD27 / UTM zone 7N. For accuracies better than 1m replaced by NAD83(CSRS) / UTM zone 7N in Canada and NAD83(NSRS2007) / UTM zone 7N in US.

Source:

Revision: 20.07.2011

Proj4 definition: `+proj=utm +zone=7 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26908, NAD83 / UTM zone 8N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD27 / UTM zone 8N. For accuracies better than 1m replaced by NAD83(CSRS) / UTM zone 8N in Canada and NAD83(NSRS2007) / UTM zone 8N in US.

Source:

Revision: 20.07.2011

Proj4 definition: `+proj=utm +zone=8 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26909, NAD83 / UTM zone 9N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD27 / UTM zone 9N. For accuracies better than 1m replaced by NAD83(CSRS) / UTM zone 9N in Canada and NAD83(NSRS2007) / UTM zone 9N in US.

Source:

Revision: 20.07.2011

Proj4 definition: `+proj=utm +zone=9 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26910, NAD83 / UTM zone 10N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD27 / UTM zone 10N. For accuracies better than 1m replaced by NAD83(CSRS) / UTM zone 10N in Canada and NAD83(HARN) / UTM zone 10N in US.

Source:

Revision: 20.07.2011

Proj4 definition: `+proj=utm +zone=10 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26911, NAD83 / UTM zone 11N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD27 / UTM zone 11N. For accuracies better than 1m replaced by NAD83(CSRS) / UTM zone 11N in Canada and NAD83(HARN) / UTM zone 11N in US.

Source:

Revision: 29.05.2007

Proj4 definition: `+proj=utm +zone=11 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26912, NAD83 / UTM zone 12N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD27 / UTM zone 12N. For accuracies better than 1m replaced by NAD83(CSRS) / UTM zone 12N in Canada and NAD83(HARN) / UTM zone 12N in US.

Source:

Revision: 29.05.2007

Proj4 definition: `+proj=utm +zone=12 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26913, NAD83 / UTM zone 13N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD27 / UTM zone 13N. For accuracies better than 1m replaced by NAD83(CSRS) / UTM zone 13N in Canada and NAD83(HARN) / UTM zone 13N in US.

Source:

Revision: 29.05.2007

Proj4 definition: `+proj=utm +zone=13 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26914, NAD83 / UTM zone 14N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD27 / UTM zone 14N. For accuracies better than 1m replaced by NAD83(CSRS) / UTM zone 14N in Canada and NAD83(HARN) / UTM zone 14N in US.

Source:

Revision: 29.05.2007

Proj4 definition: `+proj=utm +zone=14 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26915, NAD83 / UTM zone 15N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD27 / UTM zone 15N. For accuracies better than 1m replaced by NAD83(CSRS) / UTM zone 15N in Canada and NAD83(HARN) / UTM zone 15N in US.

Source:

Revision: 29.05.2007

Proj4 definition: `+proj=utm +zone=15 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26916, NAD83 / UTM zone 16N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD27 / UTM zone 15N. For accuracies better than 1m replaced by NAD83(CSRS) / UTM zone 16N in Canada and NAD83(HARN) / UTM zone 16N in US.

Source:

Revision: 29.05.2007

Proj4 definition: `+proj=utm +zone=16 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26917, NAD83 / UTM zone 17N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD27 / UTM zone 17N. For accuracies better than 1m replaced by NAD83(CSRS) / UTM zone 17N in Canada and NAD83(HARN) / UTM zone 17N in US.

Source:

Revision: 29.05.2007

Proj4 definition: `+proj=utm +zone=17 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26918, NAD83 / UTM zone 18N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD27 / UTM zone 18N. For accuracies better than 1m replaced by NAD83(CSRS) / UTM zone 18N in Canada and NAD83(HARN) / UTM zone 18N in US.

Source:

Revision: 29.05.2007

Proj4 definition: `+proj=utm +zone=18 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26919, NAD83 / UTM zone 19N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD27 / UTM zone 19N. For accuracies better than 1m replaced by NAD83(CSRS) / UTM zone 19N in Canada and NAD83(HARN) / UTM zone 19N in US.

Source:

Revision: 29.05.2007

Proj4 definition: `+proj=utm +zone=19 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26920, NAD83 / UTM zone 20N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: In Canada, replaces NAD27 / UTM zone 20N (CRS code 26720); for accuracies better than 1m replaced by NAD83(CSRS) / UTM zone 20N(CRS code 2961). In BVI, replaces Puerto Rico / UTM zone 20N (CRS

code 3920).

Source:

Revision: 05.09.2009

Proj4 definition: `+proj=utm +zone=20 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26921, NAD83 / UTM zone 21N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD27 / UTM zone 21N. For accuracies better than 1m replaced by NAD83(CSRS) / UTM zone 21N.

Source:

Revision: 29.05.2007

Proj4 definition: `+proj=utm +zone=21 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26922, NAD83 / UTM zone 22N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces NAD27 / UTM zone 22N. For accuracies better than 1m replaced by NAD83(CSRS) / UTM zone 22N.

Source:

Revision: 29.05.2007

Proj4 definition: `+proj=utm +zone=22 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26923, NAD83 / UTM zone 23N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=23 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26929, NAD83 / Alabama East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=tmerc +lat_0=30.5 +lon_0=-85.83333333333333 +k=0.99996 +x_0=200000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26930, NAD83 / Alabama West

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=tmerc +lat_0=30 +lon_0=-87.5 +k=0.999933333 +x_0=600000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26931, NAD83 / Alaska zone 1

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=omerc +lat_0=57 +lonc=-133.6666666666667 +alpha=323.1301023611111 +k=0.9999 +x_0=5000000 +y_0=-5000000 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26932, NAD83 / Alaska zone 2

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=tmerc +lat_0=54 +lon_0=-142 +k=0.9999 +x_0=500000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26933, NAD83 / Alaska zone 3

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=tmerc +lat_0=54 +lon_0=-146 +k=0.9999 +x_0=500000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26934, NAD83 / Alaska zone 4

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=tmerc +lat_0=54 +lon_0=-150 +k=0.9999 +x_0=500000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26935, NAD83 / Alaska zone 5

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=tmerc +lat_0=54 +lon_0=-154 +k=0.9999 +x_0=500000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26936, NAD83 / Alaska zone 6

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=tmerc +lat_0=54 +lon_0=-158 +k=0.9999 +x_0=500000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26937, NAD83 / Alaska zone 7

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=tmerc +lat_0=54 +lon_0=-162 +k=0.9999 +x_0=500000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26938, NAD83 / Alaska zone 8

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=tmerc +lat_0=54 +lon_0=-166 +k=0.9999 +x_0=500000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26939, NAD83 / Alaska zone 9

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=tmerc +lat_0=54 +lon_0=-170 +k=0.9999 +x_0=500000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26940, NAD83 / Alaska zone 10

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=lcc +lat_1=53.83333333333334 +lat_2=51.83333333333334 +lat_0=51 +lon_0=-176 +x_0=1000000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26941, NAD83 / California zone 1

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2225 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=lcc +lat_1=41.66666666666666 +lat_2=40 +lat_0=39.33333333333334 +lon_0=-122 +x_0=2000000 +y_0=500000 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26942, NAD83 / California zone 2

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2226 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 02.06.1995

Proj4 definition:
```
+proj=lcc +lat_1=39.83333333333334 +lat_2=38.33333333333334
+lat_0=37.66666666666666 +lon_0=-122 +x_0=2000000 +y_0=500000
+ellps=GRS80 +datum=NAD83 +units=m +no_defs
```

EPSG 26943, NAD83 / California zone 3

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2227 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 02.06.1995

Proj4 definition:
```
+proj=lcc +lat_1=38.43333333333333 +lat_2=37.06666666666667
+lat_0=36.5 +lon_0=-120.5 +x_0=2000000 +y_0=500000 +ellps=GRS80
+datum=NAD83 +units=m +no_defs
```

EPSG 26944, NAD83 / California zone 4

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2228 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 02.06.1995

Proj4 definition:
```
+proj=lcc +lat_1=37.25 +lat_2=36 +lat_0=35.33333333333334 +lon_0=-
119 +x_0=2000000 +y_0=500000 +ellps=GRS80 +datum=NAD83 +units=m
+no_defs
```

EPSG 26945, NAD83 / California zone 5

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2229 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 02.06.1995

Proj4 definition:
```
+proj=lcc +lat_1=35.46666666666667 +lat_2=34.03333333333333
+lat_0=33.5 +lon_0=-118 +x_0=2000000 +y_0=500000 +ellps=GRS80
+datum=NAD83 +units=m +no_defs
```

EPSG 26946, NAD83 / California zone 6

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2230 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=lcc +lat_1=33.88333333333333 +lat_2=32.78333333333333 +lat_0=32.16666666666666 +lon_0=-116.25 +x_0=2000000 +y_0=500000 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26948, NAD83 / Arizona East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in International feet (note: not US survey feet). See code 2222 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 07.03.2000

Proj4 definition: `+proj=tmerc +lat_0=31 +lon_0=-110.1666666666667 +k=0.9999 +x_0=213360 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26949, NAD83 / Arizona Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in International feet (note: not US survey feet). See code 2223 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=tmerc +lat_0=31 +lon_0=-111.9166666666667 +k=0.9999 +x_0=213360 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26950, NAD83 / Arizona West

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in International feet (note: not US survey feet). See code 2224 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=tmerc +lat_0=31 +lon_0=-113.75 +k=0.999933333 +x_0=213360 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26951, NAD83 / Arkansas North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 3433 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey

Revision: 20.12.2006

Proj4 definition: `+proj=lcc +lat_1=36.23333333333333 +lat_2=34.93333333333333 +lat_0=34.33333333333334 +lon_0=-92 +x_0=400000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26952, NAD83 / Arkansas South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 3434 for equivalent

non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey

Revision: 20.12.2006

Proj4 definition:
```
+proj=lcc +lat_1=34.76666666666667 +lat_2=33.3
+lat_0=32.66666666666666 +lon_0=-92 +x_0=400000 +y_0=400000
+ellps=GRS80 +datum=NAD83 +units=m +no_defs
```

EPSG 26953, NAD83 / Colorado North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2231 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 02.06.1995

Proj4 definition:
```
+proj=lcc +lat_1=40.78333333333333 +lat_2=39.71666666666667
+lat_0=39.33333333333334 +lon_0=-105.5 +x_0=914401.8289
+y_0=304800.6096 +ellps=GRS80 +datum=NAD83 +units=m +no_defs
```

EPSG 26954, NAD83 / Colorado Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2232 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 02.06.1995

Proj4 definition:
```
+proj=lcc +lat_1=39.75 +lat_2=38.45 +lat_0=37.83333333333334
+lon_0=-105.5 +x_0=914401.8289 +y_0=304800.6096 +ellps=GRS80
+datum=NAD83 +units=m +no_defs
```

EPSG 26955, NAD83 / Colorado South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2233 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 02.06.1995

Proj4 definition:
```
+proj=lcc +lat_1=38.43333333333333 +lat_2=37.23333333333333
+lat_0=36.66666666666666 +lon_0=-105.5 +x_0=914401.8289
+y_0=304800.6096 +ellps=GRS80 +datum=NAD83 +units=m +no_defs
```

EPSG 26956, NAD83 / Connecticut

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2234 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 07.03.2000

Proj4 definition:
```
+proj=lcc +lat_1=41.86666666666667 +lat_2=41.2
+lat_0=40.83333333333334 +lon_0=-72.75 +x_0=304800.6096
```

```
+y_0=152400.3048 +ellps=GRS80 +datum=NAD83 +units=m +no_defs
```

EPSG 26957, NAD83 / Delaware

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2235 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 07.03.2000

Proj4 definition:
```
+proj=tmerc +lat_0=38 +lon_0=-75.41666666666667 +k=0.999995
+x_0=200000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs
```

EPSG 26958, NAD83 / Florida East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2236 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 07.03.2000

Proj4 definition:
```
+proj=tmerc +lat_0=24.33333333333333 +lon_0=-81 +k=0.999941177
+x_0=200000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs
```

EPSG 26959, NAD83 / Florida West

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2237 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 07.03.2000

Proj4 definition:
```
+proj=tmerc +lat_0=24.33333333333333 +lon_0=-82 +k=0.999941177
+x_0=200000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs
```

EPSG 26960, NAD83 / Florida North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2238 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 02.06.1995

Proj4 definition:
```
+proj=lcc +lat_1=30.75 +lat_2=29.58333333333333 +lat_0=29 +lon_0=-
84.5 +x_0=600000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs
```

EPSG 26961, NAD83 / Hawaii zone 1

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 07.03.2000

Proj4 definition: `+proj=tmerc +lat_0=18.83333333333333 +lon_0=-155.5 +k=0.999966667 +x_0=500000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26962, NAD83 / Hawaii zone 2

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 07.03.2000

Proj4 definition: `+proj=tmerc +lat_0=20.33333333333333 +lon_0=-156.6666666666667 +k=0.999966667 +x_0=500000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26963, NAD83 / Hawaii zone 3

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 07.03.2000

Proj4 definition: `+proj=tmerc +lat_0=21.16666666666667 +lon_0=-158 +k=0.99999 +x_0=500000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26964, NAD83 / Hawaii zone 4

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 07.03.2000

Proj4 definition: `+proj=tmerc +lat_0=21.83333333333333 +lon_0=-159.5 +k=0.99999 +x_0=500000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26965, NAD83 / Hawaii zone 5

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 07.03.2000

Proj4 definition: `+proj=tmerc +lat_0=21.66666666666667 +lon_0=-160.1666666666667 +k=1 +x_0=500000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26966, NAD83 / Georgia East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2239 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 07.03.2000

Proj4 definition: `+proj=tmerc +lat_0=30 +lon_0=-82.16666666666667 +k=0.9999 +x_0=200000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26967, NAD83 / Georgia West

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2240 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=tmerc +lat_0=30 +lon_0=-84.16666666666667 +k=0.9999 +x_0=700000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26968, NAD83 / Idaho East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2241 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 07.03.2000

Proj4 definition: `+proj=tmerc +lat_0=41.66666666666666 +lon_0=-112.1666666666667 +k=0.9999473679999999 +x_0=200000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26969, NAD83 / Idaho Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2242 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 07.03.2000

Proj4 definition: `+proj=tmerc +lat_0=41.66666666666666 +lon_0=-114 +k=0.9999473679999999 +x_0=500000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26970, NAD83 / Idaho West

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2243 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 07.03.2000

Proj4 definition: `+proj=tmerc +lat_0=41.66666666666666 +lon_0=-115.75 +k=0.999933333 +x_0=800000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26971, NAD83 / Illinois East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 3435 for equivalent non-metric definition. For applications with an accuracy of better than 1m,

replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey

Revision: 20.12.2006

Proj4 definition: `+proj=tmerc +lat_0=36.66666666666666 +lon_0=-88.33333333333333 +k=0.9999749999999999 +x_0=300000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26972, NAD83 / Illinois West

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 3436 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey

Revision: 20.12.2006

Proj4 definition: `+proj=tmerc +lat_0=36.66666666666666 +lon_0=-90.16666666666667 +k=0.999941177 +x_0=700000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26973, NAD83 / Indiana East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2965 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 13.10.2002

Proj4 definition: `+proj=tmerc +lat_0=37.5 +lon_0=-85.66666666666667 +k=0.999966667 +x_0=100000 +y_0=250000 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26974, NAD83 / Indiana West

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2966 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 13.10.2002

Proj4 definition: `+proj=tmerc +lat_0=37.5 +lon_0=-87.08333333333333 +k=0.999966667 +x_0=900000 +y_0=250000 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26975, NAD83 / Iowa North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 3417 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey

Revision: 20.12.2006

Proj4 definition: `+proj=lcc +lat_1=43.26666666666667 +lat_2=42.06666666666667 +lat_0=41.5 +lon_0=-93.5 +x_0=1500000 +y_0=1000000 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26976, NAD83 / Iowa South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 3418 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey

Revision: 20.12.2006

Proj4 definition:
```
+proj=lcc +lat_1=41.78333333333333 +lat_2=40.61666666666667
+lat_0=40 +lon_0=-93.5 +x_0=500000 +y_0=0 +ellps=GRS80 +datum=NAD83
+units=m +no_defs
```

EPSG 26977, NAD83 / Kansas North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 3419 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey

Revision: 20.12.2006

Proj4 definition:
```
+proj=lcc +lat_1=39.78333333333333 +lat_2=38.71666666666667
+lat_0=38.33333333333334 +lon_0=-98 +x_0=400000 +y_0=0 +ellps=GRS80
+datum=NAD83 +units=m +no_defs
```

EPSG 26978, NAD83 / Kansas South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 3420 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey

Revision: 20.12.2006

Proj4 definition:
```
+proj=lcc +lat_1=38.56666666666667 +lat_2=37.26666666666667
+lat_0=36.66666666666666 +lon_0=-98.5 +x_0=400000 +y_0=400000
+ellps=GRS80 +datum=NAD83 +units=m +no_defs
```

EPSG 26980, NAD83 / Kentucky South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2247 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 02.06.1995

Proj4 definition:
```
+proj=lcc +lat_1=37.93333333333333 +lat_2=36.73333333333333
+lat_0=36.33333333333334 +lon_0=-85.75 +x_0=500000 +y_0=500000
+ellps=GRS80 +datum=NAD83 +units=m +no_defs
```

EPSG 26981, NAD83 / Louisiana North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 3451 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 19.01.2007

Proj4 definition: `+proj=lcc +lat_1=32.66666666666666 +lat_2=31.16666666666667 +lat_0=30.5 +lon_0=-92.5 +x_0=1000000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26982, NAD83 / Louisiana South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 3452 for equivalent non-metric definition. For onshore applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 19.01.2007

Proj4 definition: `+proj=lcc +lat_1=30.7 +lat_2=29.3 +lat_0=28.5 +lon_0=-91.33333333333333 +x_0=1000000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26983, NAD83 / Maine East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 26847 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 28.05.2008

Proj4 definition: `+proj=tmerc +lat_0=43.66666666666666 +lon_0=-68.5 +k=0.9999 +x_0=300000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26984, NAD83 / Maine West

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 26848 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 28.05.2008

Proj4 definition: `+proj=tmerc +lat_0=42.83333333333334 +lon_0=-70.16666666666667 +k=0.999966667 +x_0=900000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26985, NAD83 / Maryland

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2248 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 07.03.2000

Proj4 definition: `+proj=lcc +lat_1=39.45 +lat_2=38.3 +lat_0=37.66666666666666 +lon_0=-77 +x_0=400000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26986, NAD83 / Massachusetts Mainland

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2249 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 02.06.1995

Proj4 definition:
```
+proj=lcc +lat_1=42.68333333333333 +lat_2=41.71666666666667
+lat_0=41 +lon_0=-71.5 +x_0=200000 +y_0=750000 +ellps=GRS80
+datum=NAD83 +units=m +no_defs
```

EPSG 26987, NAD83 / Massachusetts Island

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2250 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 02.06.1995

Proj4 definition:
```
+proj=lcc +lat_1=41.48333333333333 +lat_2=41.28333333333333
+lat_0=41 +lon_0=-70.5 +x_0=500000 +y_0=0 +ellps=GRS80 +datum=NAD83
+units=m +no_defs
```

EPSG 26988, NAD83 / Michigan North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in International feet (note: not US survey feet). See code 2251 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 02.06.1995

Proj4 definition:
```
+proj=lcc +lat_1=47.08333333333334 +lat_2=45.48333333333333
+lat_0=44.78333333333333 +lon_0=-87 +x_0=8000000 +y_0=0
+ellps=GRS80 +datum=NAD83 +units=m +no_defs
```

EPSG 26989, NAD83 / Michigan Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in International feet (note: not US survey feet). See code 2252 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 02.06.1995

Proj4 definition:
```
+proj=lcc +lat_1=45.7 +lat_2=44.18333333333333
+lat_0=43.31666666666667 +lon_0=-84.36666666666666 +x_0=6000000
+y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs
```

EPSG 26990, NAD83 / Michigan South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in International feet (note: not US survey feet). See code 2253 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=lcc +lat_1=43.66666666666666 +lat_2=42.1 +lat_0=41.5 +lon_0=-84.36666666666666 +x_0=4000000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26991, NAD83 / Minnesota North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 26849 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 28.05.2008

Proj4 definition: `+proj=lcc +lat_1=48.63333333333333 +lat_2=47.03333333333333 +lat_0=46.5 +lon_0=-93.09999999999999 +x_0=800000 +y_0=100000 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26992, NAD83 / Minnesota Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 26850 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 28.05.2008

Proj4 definition: `+proj=lcc +lat_1=47.05 +lat_2=45.61666666666667 +lat_0=45 +lon_0=-94.25 +x_0=800000 +y_0=100000 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26993, NAD83 / Minnesota South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 26851 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 28.05.2008

Proj4 definition: `+proj=lcc +lat_1=45.21666666666667 +lat_2=43.78333333333333 +lat_0=43 +lon_0=-94 +x_0=800000 +y_0=100000 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26994, NAD83 / Mississippi East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2254 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=tmerc +lat_0=29.5 +lon_0=-88.83333333333333 +k=0.99995 +x_0=300000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26995, NAD83 / Mississippi West

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2255 for equivalent

non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=tmerc +lat_0=29.5 +lon_0=-90.33333333333333 +k=0.99995 +x_0=700000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26996, NAD83 / Missouri East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 07.03.2000

Proj4 definition: `+proj=tmerc +lat_0=35.83333333333334 +lon_0=-90.5 +k=0.999933333 +x_0=250000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26997, NAD83 / Missouri Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=tmerc +lat_0=35.83333333333334 +lon_0=-92.5 +k=0.999933333 +x_0=500000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 26998, NAD83 / Missouri West

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 07.03.2000

Proj4 definition: `+proj=tmerc +lat_0=36.16666666666666 +lon_0=-94.5 +k=0.999941177 +x_0=850000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 27037, Nahrwan 1967 / UTM zone 37N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces Nahrwan 1934 / Iraq zone (projCRS code 3394) and replaced by Karbala 1979 (Polservice) / UTM zone 37N (projCRS code 3391).

Source:

Revision: 02.06.2006

Proj4 definition: `+proj=utm +zone=37 +ellps=clrk80 +units=m +no_defs`

EPSG 27038, Nahrwan 1967 / UTM zone 38N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: In Iraq, replaces Nahrwan 1934 / Iraq zone (projCRS code 3394) and replaced by Karbala 1979 (Polservice) / UTM zone 38N (projCRS code

3392).

Source:

Revision: 02.06.2006

Proj4 definition: `+proj=utm +zone=38 +ellps=clrk80 +units=m +no_defs`

EPSG 27039, Nahrwan 1967 / UTM zone 39N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: In Iraq, replaces Nahrwan 1934 / Iraq zone (projCRS code 3394) and replaced by Karbala 1979 (Polservice) / UTM zone 39N (projCRS code 3393).

Source:

Revision: 02.06.2006

Proj4 definition: `+proj=utm +zone=39 +ellps=clrk80 +units=m +no_defs`

EPSG 27040, Nahrwan 1967 / UTM zone 40N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=40 +ellps=clrk80 +units=m +no_defs`

EPSG 27120, Naparima 1972 / UTM zone 20N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 07.03.2000

Proj4 definition: `+proj=utm +zone=20 +ellps=intl +units=m +no_defs`

EPSG 27200, NZGD49 / New Zealand Map Grid

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces 27291 (NZGD49 / North Island Grid) and 27292 (NZGD49 / South Island Grid) from 1972. Replaced by NZGD2000 / New Zealand Transverse Mercator 2000 from July 2001.

Source: LINZ

Revision: 21.01.2012

Proj4 definition: `+proj=nzmg +lat_0=-41 +lon_0=173 +x_0=2510000 +y_0=6023150 +ellps=intl +datum=nzgd49 +units=m +no_defs`

EPSG 27205, NZGD49 / Mount Eden Circuit

Scope: Cadastral survey.

Remarks: Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Mount Eden 2000 (code 2105) from March 2000.

Source: Land Information New Zealand OSG Technical Report 8; 16 April 1999.

Revision: 25.01.2011

Proj4 `+proj=tmerc +lat_0=-36.87986527777778 +lon_0=174.7643393611111`

definition: `+k=0.9999 +x_0=300000 +y_0=700000 +ellps=intl +datum=nzgd49 +units=m +no_defs`

EPSG 27206, NZGD49 / Bay of Plenty Circuit

Scope: Cadastral survey.

Remarks: Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Bay of Plenty 2000 (code 2106) from March 2000.

Source: Land Information New Zealand OSG Technical Report 8; 16 April 1999.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-37.76124980555556 +lon_0=176.46619725 +k=1 +x_0=300000 +y_0=700000 +ellps=intl +datum=nzgd49 +units=m +no_defs`

EPSG 27207, NZGD49 / Poverty Bay Circuit

Scope: Cadastral survey.

Remarks: Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Poverty Bay 2000 (code 2107) from March 2000.

Source: Land Information New Zealand OSG Technical Report 8; 16 April 1999.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-38.62470277777778 +lon_0=177.8856362777778 +k=1 +x_0=300000 +y_0=700000 +ellps=intl +datum=nzgd49 +units=m +no_defs`

EPSG 27208, NZGD49 / Hawkes Bay Circuit

Scope: Cadastral survey.

Remarks: Replaced Hawkes Bay 1931 datum with Imperial measure version of projection in 1972. Replaced by NZGD2000 / Hawkes Bay 2000 (code 2108) from March 2000.

Source: Land Information New Zealand OSG Technical Report 8; 16 April 1999.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-39.65092930555556 +lon_0=176.6736805277778 +k=1 +x_0=300000 +y_0=700000 +ellps=intl +datum=nzgd49 +units=m +no_defs`

EPSG 27209, NZGD49 / Taranaki Circuit

Scope: Cadastral survey.

Remarks: Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Taranaki 2000 (code 2109) from March 2000.

Source: Land Information New Zealand OSG Technical Report 8; 16 April 1999.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-39.13575830555556 +lon_0=174.22801175 +k=1 +x_0=300000 +y_0=700000 +ellps=intl +datum=nzgd49 +units=m +no_defs`

EPSG 27210, NZGD49 / Tuhirangi Circuit

Scope: Cadastral survey.

Remarks: Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Tuhirangi 2000 (code 2110) from March 2000.

Source: Land Information New Zealand OSG Technical Report 8; 16 April 1999.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-39.51247038888889 +lon_0=175.6400368055556 +k=1 +x_0=300000 +y_0=700000 +ellps=intl +datum=nzgd49 +units=m +no_defs`

EPSG 27211, NZGD49 / Wanganui Circuit

Scope: Cadastral survey.

Remarks: Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Wanganui 2000 (code 2111) from March 2000.

Source: Land Information New Zealand OSG Technical Report 8; 16 April 1999.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-40.24194713888889 +lon_0=175.4880996111111 +k=1 +x_0=300000 +y_0=700000 +ellps=intl +datum=nzgd49 +units=m +no_defs`

EPSG 27212, NZGD49 / Wairarapa Circuit

Scope: Cadastral survey.

Remarks: Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Wairarapa 2000 (code 2112) from March 2000.

Source: Land Information New Zealand OSG Technical Report 8; 16 April 1999.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-40.92553263888889 +lon_0=175.6473496666667 +k=1 +x_0=300000 +y_0=700000 +ellps=intl +datum=nzgd49 +units=m +no_defs`

EPSG 27213, NZGD49 / Wellington Circuit

Scope: Cadastral survey.

Remarks: Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Wellington 2000 (code 2113) from March 2000.

Source: Land Information New Zealand OSG Technical Report 8; 16 April 1999.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-41.30131963888888 +lon_0=174.7766231111111 +k=1 +x_0=300000 +y_0=700000 +ellps=intl +datum=nzgd49 +units=m +no_defs`

EPSG 27214, NZGD49 / Collingwood Circuit

Scope: Cadastral survey.

Remarks: Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Collingwood 2000 (code 2114) from March 2000.

Source: Land Information New Zealand OSG Technical Report 8; 16 April 1999.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-40.71475905555556 +lon_0=172.6720465 +k=1 +x_0=300000 +y_0=700000 +ellps=intl +datum=nzgd49 +units=m +no_defs`

EPSG 27215, NZGD49 / Nelson Circuit

Scope: Cadastral survey.

Remarks: Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Nelson 2000 (code 2115) from March 2000.

Source: Land Information New Zealand OSG Technical Report 8; 16 April 1999.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-41.27454472222222 +lon_0=173.2993168055555 +k=1 +x_0=300000 +y_0=700000 +ellps=intl +datum=nzgd49 +units=m +no_defs`

EPSG 27216, NZGD49 / Karamea Circuit

Scope: Cadastral survey.

Remarks: Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Karamea 2000 (code 2116) from March 2000.

Source: Land Information New Zealand OSG Technical Report 8; 16 April 1999.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-41.28991152777778 +lon_0=172.1090281944444 +k=1 +x_0=300000 +y_0=700000 +ellps=intl +datum=nzgd49 +units=m +no_defs`

EPSG 27217, NZGD49 / Buller Circuit

Scope: Cadastral survey.

Remarks: Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Buller 2000 (code 2117) from March 2000.

Source: Land Information New Zealand OSG Technical Report 8; 16 April 1999.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-41.81080286111111 +lon_0=171.5812600555556 +k=1 +x_0=300000 +y_0=700000 +ellps=intl +datum=nzgd49 +units=m +no_defs`

EPSG 27218, NZGD49 / Grey Circuit

Scope: Cadastral survey.

Remarks: Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Grey 2000 (code 2118) from March 2000.

Source: Land Information New Zealand OSG Technical Report 8; 16 April 1999.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-42.33369427777778 +lon_0=171.5497713055556 +k=1 +x_0=300000 +y_0=700000 +ellps=intl +datum=nzgd49 +units=m +no_defs`

EPSG 27219, NZGD49 / Amuri Circuit

Scope: Cadastral survey.

Remarks: Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Amuri 2000 (code 2119) from March 2000.

Source: Land Information New Zealand OSG Technical Report 8; 16 April 1999.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-42.68911658333333 +lon_0=173.0101333888889 +k=1 +x_0=300000 +y_0=700000 +ellps=intl +datum=nzgd49 +units=m +no_defs`

EPSG 27220, NZGD49 / Marlborough Circuit

Scope: Cadastral survey.

Remarks: Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Marlborough 2000 (code 2120) from March 2000.

Source: Land Information New Zealand OSG Technical Report 8; 16 April 1999.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-41.54448666666666 +lon_0=173.8020741111111 +k=1 +x_0=300000 +y_0=700000 +ellps=intl +datum=nzgd49 +units=m +no_defs`

EPSG 27221, NZGD49 / Hokitika Circuit

Scope: Cadastral survey.

Remarks: Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Hokitika 2000 (code 2121) from March 2000.

Source: Land Information New Zealand OSG Technical Report 8; 16 April 1999.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-42.88632236111111 +lon_0=170.9799935 +k=1 +x_0=300000 +y_0=700000 +ellps=intl +datum=nzgd49 +units=m +no_defs`

EPSG 27222, NZGD49 / Okarito Circuit

Scope: Cadastral survey.

Remarks: Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Okarito 2000 (code 2122) from March 2000.

Source: Land Information New Zealand OSG Technical Report 8; 16 April 1999.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-43.11012813888889 +lon_0=170.2609258333333 +k=1 +x_0=300000 +y_0=700000 +ellps=intl +datum=nzgd49 +units=m +no_defs`

EPSG 27223, NZGD49 / Jacksons Bay Circuit

Scope: Cadastral survey.

Remarks: Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Jacksons Bay 2000 (code 2123) from March 2000.

Source: Land Information New Zealand OSG Technical Report 8; 16 April 1999.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-43.97780288888889 +lon_0=168.606267 +k=1 +x_0=300000 +y_0=700000 +ellps=intl +datum=nzgd49 +units=m +no_defs`

EPSG 27224, NZGD49 / Mount Pleasant Circuit

Scope: Cadastral survey.

Remarks: Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Mount Pleasant 2000 (code 2124) from March 2000.

Source: Land Information New Zealand OSG Technical Report 8; 16 April 1999.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-43.59063758333333 +lon_0=172.7271935833333 +k=1 +x_0=300000 +y_0=700000 +ellps=intl +datum=nzgd49 +units=m +no_defs`

EPSG 27225, NZGD49 / Gawler Circuit

Scope: Cadastral survey.

Remarks: Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Gawler 2000 (code 2125) from March 2000.

Source: Land Information New Zealand OSG Technical Report 8; 16 April 1999.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-43.74871155555556 +lon_0=171.3607484722222 +k=1 +x_0=300000 +y_0=700000 +ellps=intl +datum=nzgd49 +units=m +no_defs`

EPSG 27226, NZGD49 / Timaru Circuit

Scope: Cadastral survey.

Remarks: Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Timaru 2000 (code 2126) from March 2000.

Source: Land Information New Zealand OSG Technical Report 8; 16 April 1999.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-44.40222036111111 +lon_0=171.0572508333333 +k=1 +x_0=300000 +y_0=700000 +ellps=intl +datum=nzgd49 +units=m +no_defs`

EPSG 27227, NZGD49 / Lindis Peak Circuit

Scope: Cadastral survey.

Remarks: Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Lindis Peak 2000 (code 2127) from March 2000.

Source: Land Information New Zealand OSG Technical Report 8; 16 April 1999.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-44.73526797222222 +lon_0=169.4677550833333 +k=1 +x_0=300000 +y_0=700000 +ellps=intl +datum=nzgd49 +units=m +no_defs`

EPSG 27228, NZGD49 / Mount Nicholas Circuit

Scope: Cadastral survey.

Remarks: Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Mount Nicholas 2000 (code 2128) from March 2000.

Source: Land Information New Zealand OSG Technical Report 8; 16 April 1999.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-45.13290258333333 +lon_0=168.3986411944444 +k=1 +x_0=300000 +y_0=700000 +ellps=intl +datum=nzgd49 +units=m +no_defs`

EPSG 27229, NZGD49 / Mount York Circuit

Scope: Cadastral survey.

Remarks: Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Mount York 2000 (code 2129) from March 2000.

Source: Land Information New Zealand OSG Technical Report 8; 16 April 1999.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-45.56372616666666 +lon_0=167.7388617777778 +k=1 +x_0=300000 +y_0=700000 +ellps=intl +datum=nzgd49 +units=m +no_defs`

EPSG 27230, NZGD49 / Observation Point Circuit

Scope: Cadastral survey.

Remarks: Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Observation Point 2000 (code 2130) from March 2000.

Source: Land Information New Zealand OSG Technical Report 8; 16 April 1999.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-45.81619661111111 +lon_0=170.6285951666667 +k=1 +x_0=300000 +y_0=700000 +ellps=intl +datum=nzgd49 +units=m +no_defs`

EPSG 27231, NZGD49 / North Taieri Circuit

Scope: Cadastral survey.

Remarks: Replaced Imperial measure version in 1972. Replaced by NZGD2000 / North Taieri 2000 (code 2131) from March 2000.

Source: Land Information New Zealand OSG Technical Report 8; 16 April 1999.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-45.86151336111111 +lon_0=170.2825891111111 +k=0.99996 +x_0=300000 +y_0=700000 +ellps=intl +datum=nzgd49 +units=m +no_defs`

EPSG 27232, NZGD49 / Bluff Circuit

Scope: Cadastral survey.

Remarks: Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Bluff 2000 (code 2132) from March 2000.

Source: Land Information New Zealand OSG Technical Report 8; 16 April 1999.

Revision: 25.01.2011

Proj4 definition: `+proj=tmerc +lat_0=-46.60000961111111 +lon_0=168.342872 +k=1 +x_0=300002.66 +y_0=699999.58 +ellps=intl +datum=nzgd49 +units=m +no_defs`

EPSG 27258, NZGD49 / UTM zone 58S

Scope: Oil exploration.

Remarks: Replaced by NZGD2000 / UTM zone 58S (code 2133) from March 2000.

Source:

Revision: 21.01.2012

Proj4 definition: `+proj=utm +zone=58 +south +ellps=intl +datum=nzgd49 +units=m +no_defs`

EPSG 27259, NZGD49 / UTM zone 59S

Scope: Oil exploration.

Remarks: Replaced by NZGD2000 / UTM zone 59S (code 2134) from March 2000.

Source:

Revision: 21.01.2012

Proj4 definition: `+proj=utm +zone=59 +south +ellps=intl +datum=nzgd49 +units=m +no_defs`

EPSG 27260, NZGD49 / UTM zone 60S

Scope: Oil exploration.

Remarks: Replaced by NZGD2000 / UTM zone 60S (code 2135) from March 2000.

Source:

Revision: 21.01.2012

Proj4 `+proj=utm +zone=60 +south +ellps=intl +datum=nzgd49 +units=m`

definition: +no_defs

EPSG 27291, NZGD49 / North Island Grid

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Sears 1922 British foot-metre conversion factor applied to ellipsoid. Replaced by 27200 (GD49 / New Zealand Map Grid) in 1972.

Source:

Revision: 19.10.2000

Proj4 definition: +proj=tmerc +lat_0=-39 +lon_0=175.5 +k=1 +x_0=274319.5243848086 +y_0=365759.3658464114 +ellps=intl +datum=nzgd49 +to_meter=0.9143984146160287 +no_defs

EPSG 27292, NZGD49 / South Island Grid

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Sears 1922 British foot-metre conversion factor applied to ellipsoid. Replaced by 27200 (GD49 / New Zealand Map Grid) in 1972.

Source:

Revision: 19.10.2000

Proj4 definition: +proj=tmerc +lat_0=-44 +lon_0=171.5 +k=1 +x_0=457199.2073080143 +y_0=457199.2073080143 +ellps=intl +datum=nzgd49 +to_meter=0.9143984146160287 +no_defs

EPSG 27391, NGO 1948 (Oslo) / NGO zone I

Scope: Large (>1:50000) scale mapping and cadastral work.

Remarks: To be phased out and replaced by ETRF89 / UTM zone 32N.

Source:

Revision: 27.05.2005

Proj4 definition: +proj=tmerc +lat_0=58 +lon_0=-4.666666666666667 +k=1 +x_0=0 +y_0=0 +a=6377492.018 +b=6356173.508712696 +towgs84=278.3,93,474.5,7.889,0.05,-6.61,6.21 +pm=oslo +units=m +no_defs

EPSG 27392, NGO 1948 (Oslo) / NGO zone II

Scope: Large (>1:50000) scale mapping and cadastral work.

Remarks: To be phased out and replaced by ETRF89 / UTM zone 32N.

Source:

Revision: 27.05.2005

Proj4 definition: +proj=tmerc +lat_0=58 +lon_0=-2.333333333333333 +k=1 +x_0=0 +y_0=0 +a=6377492.018 +b=6356173.508712696 +towgs84=278.3,93,474.5,7.889,0.05,-6.61,6.21 +pm=oslo +units=m +no_defs

EPSG 27393, NGO 1948 (Oslo) / NGO zone III

Scope: Large (>1:50000) scale mapping and cadastral work.

Remarks: To be phased out and replaced by ETRF89 / UTM zone 32N.

Source:

Revision: 27.05.2005

Proj4 definition: +proj=tmerc +lat_0=58 +lon_0=0 +k=1 +x_0=0 +y_0=0 +a=6377492.018 +b=6356173.508712696 +towgs84=278.3,93,474.5,7.889,0.05,-6.61,6.21 +pm=oslo +units=m +no_defs

EPSG 27394, NGO 1948 (Oslo) / NGO zone IV

Scope: Large (>1:50000) scale mapping and cadastral work.

Remarks: To be phased out and replaced by ETRF89 / UTM zone 32N and ETRF89 / UTM zone 33N.

Source:

Revision: 27.05.2005

Proj4 definition:
```
+proj=tmerc +lat_0=58 +lon_0=2.5 +k=1 +x_0=0 +y_0=0 +a=6377492.018
+b=6356173.508712696 +towgs84=278.3,93,474.5,7.889,0.05,-6.61,6.21
+pm=oslo +units=m +no_defs
```

EPSG 27395, NGO 1948 (Oslo) / NGO zone V

Scope: Large (>1:50000) scale mapping and cadastral work.

Remarks: To be phased out and replaced by ETRF89 / UTM zone 33N and ETRF89 / UTM zone 34N.

Source:

Revision: 27.05.2005

Proj4 definition:
```
+proj=tmerc +lat_0=58 +lon_0=6.166666666666667 +k=1 +x_0=0 +y_0=0
+a=6377492.018 +b=6356173.508712696
+towgs84=278.3,93,474.5,7.889,0.05,-6.61,6.21 +pm=oslo +units=m
+no_defs
```

EPSG 27396, NGO 1948 (Oslo) / NGO zone VI

Scope: Large (>1:50000) scale mapping and cadastral work.

Remarks: To be phased out and replaced by ETRF89 / UTM zone 34N.

Source:

Revision: 27.05.2005

Proj4 definition:
```
+proj=tmerc +lat_0=58 +lon_0=10.16666666666667 +k=1 +x_0=0 +y_0=0
+a=6377492.018 +b=6356173.508712696
+towgs84=278.3,93,474.5,7.889,0.05,-6.61,6.21 +pm=oslo +units=m
+no_defs
```

EPSG 27397, NGO 1948 (Oslo) / NGO zone VII

Scope: Large (>1:50000) scale mapping and cadastral work.

Remarks: To be phased out and replaced by ETRF89 / UTM zone 34N and ETRF89 / UTM zone 35N.

Source:

Revision: 27.05.2005

Proj4 definition:
```
+proj=tmerc +lat_0=58 +lon_0=14.16666666666667 +k=1 +x_0=0 +y_0=0
+a=6377492.018 +b=6356173.508712696
+towgs84=278.3,93,474.5,7.889,0.05,-6.61,6.21 +pm=oslo +units=m
+no_defs
```

EPSG 27398, NGO 1948 (Oslo) / NGO zone VIII

Scope: Large (>1:50000) scale mapping and cadastral work.

Remarks: To be phased out and replaced by ETRF89 / UTM zone 35N.

Source:

Revision: 27.05.2005

Proj4 definition:
```
+proj=tmerc +lat_0=58 +lon_0=18.33333333333333 +k=1 +x_0=0 +y_0=0
+a=6377492.018 +b=6356173.508712696
+towgs84=278.3,93,474.5,7.889,0.05,-6.61,6.21 +pm=oslo +units=m
```

+no_defs

EPSG 27429, Datum 73 / UTM zone 29N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: Geodetic Services Directorate, Instituto Geografico e Cadastral, Lisbon; http://www.igeo.pt/

Revision: 02.06.1995

Proj4 definition: +proj=utm +zone=29 +ellps=intl +units=m +no_defs

EPSG 27493, Datum 73 / Modified Portuguese Grid

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: The projection parameters have been designed such that this CRS grid is almost the same as the Lisbon (Lisbon)/Portuguese Grid (CRS code 20791).

Source: Geodetic Services Directorate, Instituto Geografico e Cadastral, Lisbon; http://www.igeo.pt/

Revision: 14.03.2008

Proj4 definition: +proj=tmerc +lat_0=39.66666666666666 +lon_0=-8.131906111111112 +k=1 +x_0=180.598 +y_0=-86.98999999999999 +ellps=intl +units=m +no_defs

EPSG 27500, ATF (Paris) / Nord de Guerre

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: +proj=lcc +lat_1=49.5 +lat_0=49.5 +lon_0=5.4 +k_0=0.99950908 +x_0=500000 +y_0=300000 +a=6376523 +b=6355862.933255573 +pm=2.3372291666985 +units=m +no_defs

EPSG 27561, NTF (Paris) / Lambert Nord France

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced by NTF (Paris) / France zone I (code 27571) from 1972.

Source:

Revision: 27.05.2005

Proj4 definition: +proj=lcc +lat_1=49.50000000000001 +lat_0=49.50000000000001 +lon_0=0 +k_0=0.999877341 +x_0=600000 +y_0=200000 +a=6378249.2 +b=6356515 +towgs84=-168,-60,320,0,0,0,0 +pm=paris +units=m +no_defs

EPSG 27562, NTF (Paris) / Lambert Centre France

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced by NTF (Paris) / France zone II (code 27572) from 1972.

Source:

Revision: 27.05.2005

Proj4 definition: +proj=lcc +lat_1=46.8 +lat_0=46.8 +lon_0=0 +k_0=0.99987742 +x_0=600000 +y_0=200000 +a=6378249.2 +b=6356515 +towgs84=-168,-

60,320,0,0,0,0 +pm=paris +units=m +no_defs

EPSG 27563, NTF (Paris) / Lambert Sud France

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced by NTF (Paris) / France zone III (code 27573) from 1972.

Source:

Revision: 27.05.2005

Proj4 definition:
```
+proj=lcc +lat_1=44.10000000000001 +lat_0=44.10000000000001
+lon_0=0 +k_0=0.999877499 +x_0=600000 +y_0=200000 +a=6378249.2
+b=6356515 +towgs84=-168,-60,320,0,0,0,0 +pm=paris +units=m
+no_defs
```

EPSG 27564, NTF (Paris) / Lambert Corse

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced by NTF (Paris) / France zone IV (code 27574) from 1972.

Source:

Revision: 27.05.2005

Proj4 definition:
```
+proj=lcc +lat_1=42.16500000000001 +lat_0=42.16500000000001
+lon_0=0 +k_0=0.99994471 +x_0=234.358 +y_0=185861.369 +a=6378249.2
+b=6356515 +towgs84=-168,-60,320,0,0,0,0 +pm=paris +units=m
+no_defs
```

EPSG 27571, NTF (Paris) / Lambert zone I

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Introduced 1972. Replaces NTF (Paris) / Lambert Nord France (code 27561).

Source:

Revision: 06.11.2001

Proj4 definition:
```
+proj=lcc +lat_1=49.50000000000001 +lat_0=49.50000000000001
+lon_0=0 +k_0=0.999877341 +x_0=600000 +y_0=1200000 +a=6378249.2
+b=6356515 +towgs84=-168,-60,320,0,0,0,0 +pm=paris +units=m
+no_defs
```

EPSG 27572, NTF (Paris) / Lambert zone II

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Introduced 1972. Replaces NTF (Paris) / Lambert Centre France (code 27562).

Source:

Revision: 27.05.2005

Proj4 definition:
```
+proj=lcc +lat_1=46.8 +lat_0=46.8 +lon_0=0 +k_0=0.99987742
+x_0=600000 +y_0=2200000 +a=6378249.2 +b=6356515 +towgs84=-168,-
60,320,0,0,0,0 +pm=paris +units=m +no_defs
```

EPSG 27573, NTF (Paris) / Lambert zone III

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Introduced 1972. Replaces NTF (Paris) / Lambert Sud France (code 27563).

Source:

Revision: 06.11.2001

Proj4
```
+proj=lcc +lat_1=44.10000000000001 +lat_0=44.10000000000001
+lon_0=0 +k_0=0.999877499 +x_0=600000 +y_0=3200000 +a=6378249.2
```

definition: `+b=6356515 +towgs84=-168,-60,320,0,0,0,0 +pm=paris +units=m +no_defs`

EPSG 27574, NTF (Paris) / Lambert zone IV

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Introduced 1972. Replaces NTF (Paris) / Lambert Corse (code 27564).

Source:

Revision: 06.11.2001

Proj4 definition: `+proj=lcc +lat_1=42.16500000000001 +lat_0=42.16500000000001 +lon_0=0 +k_0=0.99994471 +x_0=234.358 +y_0=4185861.369 +a=6378249.2 +b=6356515 +towgs84=-168,-60,320,0,0,0,0 +pm=paris +units=m +no_defs`

EPSG 27700, OSGB 1936 / British National Grid

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: Ordnance Survey of Great Britain.

Revision: 27.05.2005

Proj4 definition: `+proj=tmerc +lat_0=49 +lon_0=-2 +k=0.9996012717 +x_0=400000 +y_0=-100000 +ellps=airy +datum=OSGB36 +units=m +no_defs`

EPSG 28191, Palestine 1923 / Palestine Grid

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced by CRS 28192 (AMS use) and 28193 (in Israel).

Source: UK General Staff Geographic Service.

Revision: 02.11.2010

Proj4 definition: `+proj=cass +lat_0=31.73409694444445 +lon_0=35.21208055555556 +x_0=170251.555 +y_0=126867.909 +a=6378300.789 +b=6356566.435 +towgs84=-275.722,94.7824,340.894,-8.001,-4.42,-11.821,1 +units=m +no_defs`

EPSG 28192, Palestine 1923 / Palestine Belt

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: See projection remarks.

Source: US Army Map Service.

Revision: 02.11.2010

Proj4 definition: `+proj=tmerc +lat_0=31.73409694444445 +lon_0=35.21208055555556 +k=1 +x_0=170251.555 +y_0=1126867.909 +a=6378300.789 +b=6356566.435 +towgs84=-275.722,94.7824,340.894,-8.001,-4.42,-11.821,1 +units=m +no_defs`

EPSG 28193, Palestine 1923 / Israeli CS Grid

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: See projection remarks. Replaced by Israeli TM Grid (EPSG code 2039).

Source: Survey of Israel.

Revision: 02.11.2010

Proj4 definition: `+proj=cass +lat_0=31.73409694444445 +lon_0=35.21208055555556 +x_0=170251.555 +y_0=1126867.909 +a=6378300.789 +b=6356566.435 +towgs84=-275.722,94.7824,340.894,-8.001,-4.42,-11.821,1 +units=m +no_defs`

EPSG 28232, Pointe Noire / UTM zone 32S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=32 +south +a=6378249.2 +b=6356515 +units=m +no_defs`

EPSG 28349, GDA94 / MGA zone 49

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=49 +south +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 28350, GDA94 / MGA zone 50

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=50 +south +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 28351, GDA94 / MGA zone 51

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=51 +south +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 28352, GDA94 / MGA zone 52

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=52 +south +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 28353, GDA94 / MGA zone 53

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 `+proj=utm +zone=53 +south +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

definition:

EPSG 28354, GDA94 / MGA zone 54

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=54 +south +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 28355, GDA94 / MGA zone 55

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=55 +south +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 28356, GDA94 / MGA zone 56

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=56 +south +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 28357, GDA94 / MGA zone 57

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=57 +south +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 28358, GDA94 / MGA zone 58

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=58 +south +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 28404, Pulkovo 1942 / Gauss-Kruger zone 4

Scope: Medium scale topographic mapping.
Remarks: Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 21E (code 2494).
Source: OGP

Revision: 26.11.2012

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=21 +k=1 +x_0=4500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 28405, Pulkovo 1942 / Gauss-Kruger zone 5

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 27E (code 2495).

Source: OGP

Revision: 26.11.2012

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=27 +k=1 +x_0=5500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 28406, Pulkovo 1942 / Gauss-Kruger zone 6

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 33E (code 2496).

Source: OGP

Revision: 26.11.2012

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=33 +k=1 +x_0=6500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 28407, Pulkovo 1942 / Gauss-Kruger zone 7

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 39E (code 2497).

Source: OGP

Revision: 26.11.2012

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=39 +k=1 +x_0=7500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 28408, Pulkovo 1942 / Gauss-Kruger zone 8

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 45E (code 2498).

Source: OGP

Revision: 26.11.2012

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=45 +k=1 +x_0=8500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 28409, Pulkovo 1942 / Gauss-Kruger zone 9

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 51E (code 2499).

Source: OGP

Revision: 26.11.2012

Proj4 `+proj=tmerc +lat_0=0 +lon_0=51 +k=1 +x_0=9500000 +y_0=0 +ellps=krass +units=m +no_defs`

definition:

EPSG 28410, Pulkovo 1942 / Gauss-Kruger zone 10

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 57E (code 2500).

Source: OGP

Revision: 26.11.2012

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=57 +k=1 +x_0=10500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 28411, Pulkovo 1942 / Gauss-Kruger zone 11

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 63E (code 2501).

Source: OGP

Revision: 26.11.2012

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=63 +k=1 +x_0=11500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 28412, Pulkovo 1942 / Gauss-Kruger zone 12

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 69E (code 2502).

Source: OGP

Revision: 26.11.2012

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=69 +k=1 +x_0=12500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 28413, Pulkovo 1942 / Gauss-Kruger zone 13

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 75E (code 2503).

Source: OGP

Revision: 26.11.2012

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=75 +k=1 +x_0=13500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 28414, Pulkovo 1942 / Gauss-Kruger zone 14

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 81E (code 2504).

Source: OGP

Revision: 26.11.2012

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=81 +k=1 +x_0=14500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 28415, Pulkovo 1942 / Gauss-Kruger zone 15

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 87E (code 2505).

Source: OGP

Revision: 26.11.2012

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=87 +k=1 +x_0=15500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 28416, Pulkovo 1942 / Gauss-Kruger zone 16

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 93E (code 2506).

Source: OGP

Revision: 26.11.2012

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=93 +k=1 +x_0=16500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 28417, Pulkovo 1942 / Gauss-Kruger zone 17

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 99E (code 2507).

Source: OGP

Revision: 26.11.2012

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=99 +k=1 +x_0=17500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 28418, Pulkovo 1942 / Gauss-Kruger zone 18

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 105E (code 2508).

Source: OGP

Revision: 26.11.2012

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=105 +k=1 +x_0=18500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 28419, Pulkovo 1942 / Gauss-Kruger zone 19

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 111E (code 2509).

Source: OGP

Revision: 26.11.2012

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=111 +k=1 +x_0=19500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 28420, Pulkovo 1942 / Gauss-Kruger zone 20

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / Gauss-

Kruger CM 117E (code 2510).

Source: OGP

Revision: 26.11.2012

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=117 +k=1 +x_0=20500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 28421, Pulkovo 1942 / Gauss-Kruger zone 21

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 123E (code 2511).

Source: OGP

Revision: 26.11.2012

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=123 +k=1 +x_0=21500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 28422, Pulkovo 1942 / Gauss-Kruger zone 22

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 129E (code 2512).

Source: OGP

Revision: 26.11.2012

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=129 +k=1 +x_0=22500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 28423, Pulkovo 1942 / Gauss-Kruger zone 23

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 135E (code 2513).

Source: OGP

Revision: 26.11.2012

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=135 +k=1 +x_0=23500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 28424, Pulkovo 1942 / Gauss-Kruger zone 24

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 141E (code 2514).

Source: OGP

Revision: 26.11.2012

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=141 +k=1 +x_0=24500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 28425, Pulkovo 1942 / Gauss-Kruger zone 25

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 147E (code 2515).

Source: OGP

Revision: 26.11.2012

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=147 +k=1 +x_0=25500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 28426, Pulkovo 1942 / Gauss-Kruger zone 26

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 153E (code 2516).

Source: OGP

Revision: 26.11.2012

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=153 +k=1 +x_0=26500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 28427, Pulkovo 1942 / Gauss-Kruger zone 27

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 159E (code 2517).

Source: OGP

Revision: 26.11.2012

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=159 +k=1 +x_0=27500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 28428, Pulkovo 1942 / Gauss-Kruger zone 28

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 165E (code 2518).

Source: OGP

Revision: 26.11.2012

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=165 +k=1 +x_0=28500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 28429, Pulkovo 1942 / Gauss-Kruger zone 29

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 171E (code 2519).

Source: OGP

Revision: 26.11.2012

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=171 +k=1 +x_0=29500000 +y_0=0 +ellps=krass +units=m +no_defs`

EPSG 28430, Pulkovo 1942 / Gauss-Kruger zone 30

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 177E (code 2520).

Source: OGP

Revision: 26.11.2012

Proj4 `+proj=tmerc +lat_0=0 +lon_0=177 +k=1 +x_0=30500000 +y_0=0 +ellps=krass +units=m +no_defs`

definition:

EPSG 28431, Pulkovo 1942 / Gauss-Kruger zone 31

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 177W (code 2521).

Source: OGP

Revision: 26.11.2012

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=-177 +k=1 +x_0=31500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 28432, Pulkovo 1942 / Gauss-Kruger zone 32

Scope: Medium scale topographic mapping.

Remarks: Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 171W (code 2522).

Source: OGP

Revision: 26.11.2012

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=-171 +k=1 +x_0=32500000 +y_0=0
+ellps=krass +units=m +no_defs
```

EPSG 28600, Qatar 1974 / Qatar National Grid

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: Qatar Centre for Geographic Information.

Revision: 07.03.2000

Proj4 definition:
```
+proj=tmerc +lat_0=24.45 +lon_0=51.21666666666667 +k=0.99999
+x_0=200000 +y_0=300000 +ellps=intl +units=m +no_defs
```

EPSG 28991, Amersfoort / RD Old

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced by 28992 (Amersfoort / RD New).

Source:

Revision: 07.03.2000

Proj4 definition:
```
+proj=sterea +lat_0=52.15616055555555 +lon_0=5.38763888888889
+k=0.9999079 +x_0=0 +y_0=0 +ellps=bessel +units=m +no_defs
```

EPSG 28992, Amersfoort / RD New

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces 28991 (Amersfoort / RD Old).

Source:

Revision: 27.05.2005

Proj4 definition:
```
+proj=sterea +lat_0=52.15616055555555 +lon_0=5.38763888888889
+k=0.9999079 +x_0=155000 +y_0=463000 +ellps=bessel +units=m
+no_defs
```

EPSG 29101, SAD69 / Brazil Polyconic

Scope: Small scale mapping.

Remarks: Uses GRS 1967 ellipsoid with 1/f to exactly 2 decimal places. Replaced by SAD69(96) / Brazil Polyconic (CRS code 5530).

Source: PetroBras

Revision: 26.11.2012

Proj4 definition: `+proj=poly +lat_0=0 +lon_0=-54 +x_0=5000000 +y_0=10000000 +ellps=aust_SA +units=m +no_defs`

EPSG 29168, SAD69 / UTM zone 18N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Uses GRS 1967 ellipsoid with 1/f to exactly 2 decimal places.

Source:

Revision: 21.03.2011

Proj4 definition: `+proj=utm +zone=18 +ellps=aust_SA +units=m +no_defs`

EPSG 29169, SAD69 / UTM zone 19N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Uses GRS 1967 ellipsoid with 1/f to exactly 2 decimal places.

Source:

Revision: 21.03.2011

Proj4 definition: `+proj=utm +zone=19 +ellps=aust_SA +units=m +no_defs`

EPSG 29170, SAD69 / UTM zone 20N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Uses GRS 1967 ellipsoid with 1/f to exactly 2 decimal places.

Source:

Revision: 21.03.2011

Proj4 definition: `+proj=utm +zone=20 +ellps=aust_SA +units=m +no_defs`

EPSG 29171, SAD69 / UTM zone 21N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Uses GRS 1967 ellipsoid with 1/f to exactly 2 decimal places.

Source:

Revision: 21.03.2011

Proj4 definition: `+proj=utm +zone=21 +ellps=aust_SA +units=m +no_defs`

EPSG 29172, SAD69 / UTM zone 22N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Uses GRS 1967 ellipsoid with 1/f to exactly 2 decimal places.

Source:

Revision: 19.09.2002

Proj4 definition: `+proj=utm +zone=22 +ellps=aust_SA +units=m +no_defs`

EPSG 29187, SAD69 / UTM zone 17S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Uses GRS 1967 ellipsoid with 1/f to exactly 2 decimal places.

Source:

Revision: 21.03.2011
Proj4 definition: +proj=utm +zone=17 +south +ellps=aust_SA +units=m +no_defs

EPSG 29188, SAD69 / UTM zone 18S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Uses GRS 1967 ellipsoid with 1/f to exactly 2 decimal places.
Source:
Revision: 21.03.2011
Proj4 definition: +proj=utm +zone=18 +south +ellps=aust_SA +units=m +no_defs

EPSG 29189, SAD69 / UTM zone 19S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Uses GRS 1967 ellipsoid with 1/f to exactly 2 decimal places.
Source:
Revision: 21.03.2011
Proj4 definition: +proj=utm +zone=19 +south +ellps=aust_SA +units=m +no_defs

EPSG 29190, SAD69 / UTM zone 20S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Uses GRS 1967 ellipsoid with 1/f to exactly 2 decimal places.
Source:
Revision: 21.03.2011
Proj4 definition: +proj=utm +zone=20 +south +ellps=aust_SA +units=m +no_defs

EPSG 29191, SAD69 / UTM zone 21S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Uses GRS 1967 ellipsoid with 1/f to exactly 2 decimal places. In Brazil, replaced by SAD69(96) / UTM zone 21S (CRS code 5531).
Source:
Revision: 27.07.2011
Proj4 definition: +proj=utm +zone=21 +south +ellps=aust_SA +units=m +no_defs

EPSG 29192, SAD69 / UTM zone 22S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Uses GRS 1967 ellipsoid with 1/f to exactly 2 decimal places. In Brazil, replaced by SAD69(96) / UTM zone 22S (CRS code 5532).
Source:
Revision: 27.07.2011
Proj4 definition: +proj=utm +zone=22 +south +ellps=aust_SA +units=m +no_defs

EPSG 29193, SAD69 / UTM zone 23S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Uses GRS 1967 ellipsoid with 1/f to exactly 2 decimal places. Replaced by SAD69(96) / UTM zone 23S (CRS code 5533).

Source:

Revision: 27.07.2011

Proj4 definition: `+proj=utm +zone=23 +south +ellps=aust_SA +units=m +no_defs`

EPSG 29194, SAD69 / UTM zone 24S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Uses GRS 1967 ellipsoid with 1/f to exactly 2 decimal places. Replaced by SAD69(96) / UTM zone 24S (CRS code 5534).

Source:

Revision: 27.07.2011

Proj4 definition: `+proj=utm +zone=24 +south +ellps=aust_SA +units=m +no_defs`

EPSG 29195, SAD69 / UTM zone 25S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Uses GRS 1967 ellipsoid with 1/f to exactly 2 decimal places. Replaced by SAD69(96) / UTM zone 25S (CRS code 5535).

Source:

Revision: 26.11.2012

Proj4 definition: `+proj=utm +zone=25 +south +ellps=aust_SA +units=m +no_defs`

EPSG 29220, Sapper Hill 1943 / UTM zone 20S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=20 +south +ellps=intl +towgs84=-355,21,72,0,0,0,0 +units=m +no_defs`

EPSG 29221, Sapper Hill 1943 / UTM zone 21S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=21 +south +ellps=intl +towgs84=-355,21,72,0,0,0,0 +units=m +no_defs`

EPSG 29333, Schwarzeck / UTM zone 33S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: CARE! The ellipsoid semi-major axis dimension is defined in German Legal Metres as 6377397.155 GLM but for the CRS needs to9 be converted to CRS units of International metres as 6377483.865 m.

Source:

Revision: 26.09.2006

Proj4 `+proj=utm +zone=33 +south +ellps=bess_nam +units=m +no_defs`

definition:

EPSG 29371, Schwarzeck / Lo22/11

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks:

Source:

Revision: 12.02.2007

Proj4 definition: `+proj=utm +zone=33 +south +ellps=bess_nam +units=m +no_defs`

EPSG 29373, Schwarzeck / Lo22/13

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks:

Source:

Revision: 12.02.2007

Proj4 definition: `+proj=utm +zone=33 +south +ellps=bess_nam +units=m +no_defs`

EPSG 29375, Schwarzeck / Lo22/15

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks:

Source:

Revision: 12.02.2007

Proj4 definition: `+proj=utm +zone=33 +south +ellps=bess_nam +units=m +no_defs`

EPSG 29377, Schwarzeck / Lo22/17

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks:

Source:

Revision: 12.02.2007

Proj4 definition: `+proj=utm +zone=33 +south +ellps=bess_nam +units=m +no_defs`

EPSG 29379, Schwarzeck / Lo22/19

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks:

Source:

Revision: 12.02.2007

Proj4 definition: `+proj=utm +zone=33 +south +ellps=bess_nam +units=m +no_defs`

EPSG 29381, Schwarzeck / Lo22/21

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks:

Source:

Revision: 12.02.2007

Proj4 definition: `+proj=utm +zone=33 +south +ellps=bess_nam +units=m +no_defs`

EPSG 29383, Schwarzeck / Lo22/23

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks:

Source:

Revision: 12.02.2007

Proj4 definition: `+proj=utm +zone=33 +south +ellps=bess_nam +units=m +no_defs`

EPSG 29385, Schwarzeck / Lo22/25

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks:

Source:

Revision: 12.02.2007

Proj4 definition: `+proj=utm +zone=33 +south +ellps=bess_nam +units=m +no_defs`

EPSG 29701, Tananarive (Paris) / Laborde Grid

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: May be approximated by Tananarive (Paris) / Laborde Grid approximation - see CRS code 29702.

Source:

Revision: 11.01.2007

Proj4 definition: `+proj=utm +zone=33 +south +ellps=bess_nam +units=m +no_defs`

EPSG 29702, Tananarive (Paris) / Laborde Grid approximation

Scope: Medium scale mapping.

Remarks: See projection remarks.

Source: OGP

Revision: 11.01.2007

Proj4 definition: `+proj=omerc +lat_0=-18.9 +lonc=44.10000000000001 +alpha=18.9 +k=0.9995000000000001 +x_0=400000 +y_0=800000 +ellps=intl +towgs84=-189,-242,-91,0,0,0,0 +pm=paris +units=m +no_defs`

EPSG 29738, Tananarive / UTM zone 38S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=38 +south +ellps=intl +towgs84=-189,-242,-91,0,0,0,0 +units=m +no_defs`

EPSG 29739, Tananarive / UTM zone 39S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=39 +south +ellps=intl +towgs84=-189,-242,-91,0,0,0,0 +units=m +no_defs`

EPSG 29849, Timbalai 1948 / UTM zone 49N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=49 +ellps=evrstSS +units=m +no_defs`

EPSG 29850, Timbalai 1948 / UTM zone 50N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=50 +ellps=evrstSS +units=m +no_defs`

EPSG 29871, Timbalai 1948 / RSO Borneo (ch)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Adopts ellipsoid metric conversion of 39.370147 inches per metre. Replaced by metric projection version (CRS code 29873). See also foot version (CRS code 29872) for Shell ops in E Malaysia.

Source: Defence Geographic Centre.

Revision: 21.09.2006

Proj4 definition: `+proj=omerc +lat_0=4 +lonc=115 +alpha=53.31582047222222 +k=0.99984 +x_0=590476.8714630401 +y_0=442857.653094361 +ellps=evrstSS +to_meter=20.11676512155263 +no_defs`

EPSG 29872, Timbalai 1948 / RSO Borneo (ft)

Scope: Shell operations in Sarawak and Sabah.

Remarks: Used by Shell in East Malaysia. Original projection definition in chains (1 chain = 66 feet) - see CRS code 29871. See also CRS code 29873 for metric version.

Source: Shell.

Revision: 21.09.2006

Proj4 definition: `+proj=omerc +lat_0=4 +lonc=115 +alpha=53.31582047222222 +k=0.99984 +x_0=590476.8727431979 +y_0=442857.6545573985 +ellps=evrstSS +to_meter=0.3047994715386762 +no_defs`

EPSG 29873, Timbalai 1948 / RSO Borneo (m)

Scope: Exploration and production operations in Brunei. Formerly also large and medium scale topographic mapping and engineering survey.

Remarks: Original projection definition in chains. 1 chain = 792 inches. Adopts Sears 1922 metric conversion of 39.370147 inches per metre. Replaced by CRS code 3376 in East Malaysia and CRS code 5247 in Brunei. See CRS code 29872 for Shell ops in E Malaysia.

Source: Defence Geographic Centre.

Revision: 24.09.2010

Proj4 definition:
```
+proj=omerc +lat_0=4 +lonc=115 +alpha=53.31582047222222 +k=0.99984
+x_0=590476.87 +y_0=442857.65 +ellps=evrstSS +units=m +no_defs
```

EPSG 29901, OSNI 1952 / Irish National Grid

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Not used in Republic of Ireland. Replaced in 1975 by TM75 / Irish Grid (CRS code 29903).

Source: Ordnance Survey of Northern Ireland.

Revision: 06.11.2001

Proj4 definition:
```
+proj=tmerc +lat_0=53.5 +lon_0=-8 +k=1 +x_0=200000 +y_0=250000
+ellps=airy +towgs84=482.5,-130.6,564.6,-1.042,-0.214,-0.631,8.15
+units=m +no_defs
```

EPSG 29902, TM65 / Irish Grid

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Not used in Northern Ireland. Replaced by TM75 / Irish Grid (code 29903) in 1975.

Source: Ordnance Survey of Ireland.

Revision: 25.01.2011

Proj4 definition:
```
+proj=tmerc +lat_0=53.5 +lon_0=-8 +k=1.000035 +x_0=200000
+y_0=250000 +a=6377340.189 +b=6356034.447938534 +units=m +no_defs
```

EPSG 29903, TM75 / Irish Grid

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces both OSNI 1952 / Irish National Grid (code 29901) and TM65 / Irish Grid (code 29902) from 1975. Replaced by IRENET95 / Irish Transverse Mercator (code 2157) from 1/1/2001.

Source: Ordnance Survey of Ireland

Revision: 06.11.2001

Proj4 definition:
```
+proj=tmerc +lat_0=53.5 +lon_0=-8 +k=1.000035 +x_0=200000
+y_0=250000 +a=6377340.189 +b=6356034.447938534 +units=m +no_defs
```

EPSG 30161, Tokyo / Japan Plane Rectangular CS I

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks: Replaced by JGD2000 / Japan Plane Rectangular CS I (code 2443) from April 2002.

Source: Geographic Survey Institute; Japan. http://vldb.gsi.go.jp/sokuchi/datum/tokyodatum.html

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=33 +lon_0=129.5 +k=0.9999 +x_0=0 +y_0=0 +ellps=bessel +units=m +no_defs`

EPSG 30162, Tokyo / Japan Plane Rectangular CS II

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks: Replaced by JGD2000 / Japan Plane Rectangular CS II (code 2444) from April 2002.

Source: Geographic Survey Institute; Japan. http://vldb.gsi.go.jp/sokuchi/datum/tokyodatum.html

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=33 +lon_0=131 +k=0.9999 +x_0=0 +y_0=0 +ellps=bessel +units=m +no_defs`

EPSG 30163, Tokyo / Japan Plane Rectangular CS III

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks: Replaced by JGD2000 / Japan Plane Rectangular CS III (code 2445) from April 2002.

Source: Geographic Survey Institute; Japan. http://vldb.gsi.go.jp/sokuchi/datum/tokyodatum.html

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=36 +lon_0=132.1666666666667 +k=0.9999 +x_0=0 +y_0=0 +ellps=bessel +units=m +no_defs`

EPSG 30164, Tokyo / Japan Plane Rectangular CS IV

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks: Replaced by JGD2000 / Japan Plane Rectangular CS IV (code 2446) from April 2002.

Source: Geographic Survey Institute; Japan. http://vldb.gsi.go.jp/sokuchi/datum/tokyodatum.html

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=33 +lon_0=133.5 +k=0.9999 +x_0=0 +y_0=0 +ellps=bessel +units=m +no_defs`

EPSG 30165, Tokyo / Japan Plane Rectangular CS V

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks: Replaced by JGD2000 / Japan Plane Rectangular CS V (code 2447) from April 2002.

Source: Geographic Survey Institute; Japan. http://vldb.gsi.go.jp/sokuchi/datum/tokyodatum.html

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=36 +lon_0=134.3333333333333 +k=0.9999 +x_0=0 +y_0=0 +ellps=bessel +units=m +no_defs`

EPSG 30166, Tokyo / Japan Plane Rectangular CS VI

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks: Replaced by JGD2000 / Japan Plane Rectangular CS VI (code 2448) from April 2002.

Source: Geographic Survey Institute; Japan. http://vldb.gsi.go.jp/sokuchi/datum/tokyodatum.html

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=36 +lon_0=136 +k=0.9999 +x_0=0 +y_0=0 +ellps=bessel +units=m +no_defs`

EPSG 30167, Tokyo / Japan Plane Rectangular CS VII

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks: Replaced by JGD2000 / Japan Plane Rectangular CS VII (code 2449) from April 2002.

Source: Geographic Survey Institute; Japan. http://vldb.gsi.go.jp/sokuchi/datum/tokyodatum.html

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=36 +lon_0=137.1666666666667 +k=0.9999 +x_0=0 +y_0=0 +ellps=bessel +units=m +no_defs`

EPSG 30168, Tokyo / Japan Plane Rectangular CS VIII

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks: Replaced by JGD2000 / Japan Plane Rectangular CS VIII (code 2450) from April 2002.

Source: Geographic Survey Institute; Japan. http://vldb.gsi.go.jp/sokuchi/datum/tokyodatum.html

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=36 +lon_0=138.5 +k=0.9999 +x_0=0 +y_0=0 +ellps=bessel +units=m +no_defs`

EPSG 30169, Tokyo / Japan Plane Rectangular CS IX

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks: Replaced by JGD2000 / Japan Plane Rectangular CS IX (code 2451) from April 2002.

Source: Geographic Survey Institute; Japan. http://vldb.gsi.go.jp/sokuchi/datum/tokyodatum.html

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=36 +lon_0=139.8333333333333 +k=0.9999 +x_0=0 +y_0=0 +ellps=bessel +units=m +no_defs`

EPSG 30170, Tokyo / Japan Plane Rectangular CS X

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks: Replaced by JGD2000 / Japan Plane Rectangular CS X (code 2452) from

April 2002.

Source: Geographic Survey Institute; Japan. http://vldb.gsi.go.jp/sokuchi/datum/tokyodatum.html

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=40 +lon_0=140.8333333333333 +k=0.9999 +x_0=0 +y_0=0 +ellps=bessel +units=m +no_defs`

EPSG 30171, Tokyo / Japan Plane Rectangular CS XI

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks: Replaced by JGD2000 / Japan Plane Rectangular CS XI (code 2453) from April 2002.

Source: Geographic Survey Institute; Japan. http://vldb.gsi.go.jp/sokuchi/datum/tokyodatum.html

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=44 +lon_0=140.25 +k=0.9999 +x_0=0 +y_0=0 +ellps=bessel +units=m +no_defs`

EPSG 30172, Tokyo / Japan Plane Rectangular CS XII

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks: Replaced by JGD2000 / Japan Plane Rectangular CS XII (code 2454) from April 2002.

Source: Geographic Survey Institute; Japan. http://vldb.gsi.go.jp/sokuchi/datum/tokyodatum.html

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=44 +lon_0=142.25 +k=0.9999 +x_0=0 +y_0=0 +ellps=bessel +units=m +no_defs`

EPSG 30173, Tokyo / Japan Plane Rectangular CS XIII

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks: Replaced by JGD2000 / Japan Plane Rectangular CS XIII (code 2455) from April 2002.

Source: Geographic Survey Institute; Japan. http://vldb.gsi.go.jp/sokuchi/datum/tokyodatum.html

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=44 +lon_0=144.25 +k=0.9999 +x_0=0 +y_0=0 +ellps=bessel +units=m +no_defs`

EPSG 30174, Tokyo / Japan Plane Rectangular CS XIV

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks: Although legally defined as Tokyo datum the accuracy of the geodetic connection to mainland Japan is low. Replaced by JGD2000 / Japan Plane Rectangular CS XIV (code 2456) from April 2002.

Source: Geographic Survey Institute; Japan. http://vldb.gsi.go.jp/sokuchi/datum/tokyodatum.html

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=26 +lon_0=142 +k=0.9999 +x_0=0 +y_0=0 +ellps=bessel +units=m +no_defs`

EPSG 30175, Tokyo / Japan Plane Rectangular CS XV

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks: Replaced by JGD2000 / Japan Plane Rectangular CS XV (code 2457) from April 2002.

Source: Geographic Survey Institute; Japan. http://vldb.gsi.go.jp/sokuchi/datum/tokyodatum.html

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=26 +lon_0=127.5 +k=0.9999 +x_0=0 +y_0=0 +ellps=bessel +units=m +no_defs`

EPSG 30176, Tokyo / Japan Plane Rectangular CS XVI

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks: Replaced by JGD2000 / Japan Plane Rectangular CS XVI (code 2458) from April 2002.

Source: Geographic Survey Institute; Japan. http://vldb.gsi.go.jp/sokuchi/datum/tokyodatum.html

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=26 +lon_0=124 +k=0.9999 +x_0=0 +y_0=0 +ellps=bessel +units=m +no_defs`

EPSG 30177, Tokyo / Japan Plane Rectangular CS XVII

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks: Although legally defined as Tokyo datum the accuracy of the geodetic connection to mainland Japan is low. Replaced by JGD2000 / Japan Plane Rectangular CS XVII (code 2459) from April 2002.

Source: Geographic Survey Institute; Japan. http://vldb.gsi.go.jp/sokuchi/datum/tokyodatum.html

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=26 +lon_0=131 +k=0.9999 +x_0=0 +y_0=0 +ellps=bessel +units=m +no_defs`

EPSG 30178, Tokyo / Japan Plane Rectangular CS XVIII

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks: Although legally defined as Tokyo datum the accuracy of the geodetic connection to mainland Japan is low. Replaced by JGD2000 / Japan Plane Rectangular CS XVIII (code 2460) from April 2002.

Source: Geographic Survey Institute; Japan. http://vldb.gsi.go.jp/sokuchi/datum/tokyodatum.html

Revision: 22.06.2002

Proj4 `+proj=tmerc +lat_0=20 +lon_0=136 +k=0.9999 +x_0=0 +y_0=0 +ellps=bessel +units=m +no_defs`

definition:

EPSG 30179, Tokyo / Japan Plane Rectangular CS XIX

Scope: Large and medium scale topographic mapping, cadastral and engineering survey.

Remarks: Although legally defined as Tokyo datum the accuracy of the geodetic connection to mainland Japan is low. Replaced by JGD2000 / Japan Plane Rectangular CS XIX (code 2461) from April 2002.

Source: Geographic Survey Institute; Japan. http://vldb.gsi.go.jp/sokuchi/datum/tokyodatum.html

Revision: 22.06.2002

Proj4 definition: `+proj=tmerc +lat_0=26 +lon_0=154 +k=0.9999 +x_0=0 +y_0=0 +ellps=bessel +units=m +no_defs`

EPSG 30200, Trinidad 1903 / Trinidad Grid

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 01.07.2005

Proj4 definition: `+proj=cass +lat_0=10.44166666666667 +lon_0=-61.33333333333334 +x_0=86501.46392051999 +y_0=65379.0134283 +a=6378293.645208759 +b=6356617.987679838 +to_meter=0.201166195164 +no_defs`

EPSG 30339, TC(1948) / UTM zone 39N

Scope: Oil exploration.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=39 +ellps=helmert +units=m +no_defs`

EPSG 30340, TC(1948) / UTM zone 40N

Scope: Oil exploration.

Remarks:

Source:

Revision: 08.05.2012

Proj4 definition: `+proj=utm +zone=40 +ellps=helmert +units=m +no_defs`

EPSG 30491, Voirol 1875 / Nord Algerie (ancienne)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced by Nord Sahara 1959 / Voirol Unifie Nord (code 30791). The appropriate usage of CRSs using the Voirol 1875 and 1879 datums is lost in antiquity. They differ by about 9 metres. Oil industry references to one could in reality be to either.

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=lcc +lat_1=36 +lat_0=36 +lon_0=2.7 +k_0=0.999625544 +x_0=500000 +y_0=300000 +a=6378249.2 +b=6356515 +towgs84=-73,-247,227,0,0,0,0 +units=m +no_defs`

EPSG 30492, Voirol 1875 / Sud Algerie (ancienne)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced by Nord Sahara 1959 / Voirol Unifie Sud (code 30792). The appropriate usage of CRSs using the Voirol 1875 and 1879 datums is lost in antiquity. They differ by about 9 metres. Oil industry references to one could in reality be to either.

Source:

Revision: 07.01.2004

Proj4 definition: `+proj=lcc +lat_1=33.3 +lat_0=33.3 +lon_0=2.7 +k_0=0.999625769 +x_0=500000 +y_0=300000 +a=6378249.2 +b=6356515 +towgs84=-73,-247,227,0,0,0,0 +units=m +no_defs`

EPSG 30493, Voirol 1879 / Nord Algerie (ancienne)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced by Nord Sahara 1959 / Voirol Unifie Nord (code 30791). The appropriate usage of CRSs using the Voirol 1875 and 1879 datums is lost in antiquity. They differ by about 9 metres. Oil industry references to one could in reality be to either.

Source:

Revision: 07.01.2004

Proj4 definition: `+proj=lcc +lat_1=36 +lat_0=36 +lon_0=2.7 +k_0=0.999625544 +x_0=500000 +y_0=300000 +a=6378249.2 +b=6356515 +units=m +no_defs`

EPSG 30494, Voirol 1879 / Sud Algerie (ancienne)

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced by Nord Sahara 1959 / Voirol Unifie Sud (code 30792). The appropriate usage of CRSs using the Voirol 1875 and 1879 datums is lost in antiquity. They differ by about 9 metres. Oil industry references to one could in reality be to either.

Source:

Revision: 07.01.2004

Proj4 definition: `+proj=lcc +lat_1=33.3 +lat_0=33.3 +lon_0=2.7 +k_0=0.999625769 +x_0=500000 +y_0=300000 +a=6378249.2 +b=6356515 +units=m +no_defs`

EPSG 30729, Nord Sahara 1959 / UTM zone 29N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 12.04.1996

Proj4 definition: `+proj=utm +zone=29 +ellps=clrk80 +units=m +no_defs`

EPSG 30730, Nord Sahara 1959 / UTM zone 30N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 18.04.2012

Proj4 definition: `+proj=utm +zone=30 +ellps=clrk80 +units=m +no_defs`

EPSG 30731, Nord Sahara 1959 / UTM zone 31N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 18.04.2012
Proj4 definition: `+proj=utm +zone=31 +ellps=clrk80 +units=m +no_defs`

EPSG 30732, Nord Sahara 1959 / UTM zone 32N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 18.04.2012
Proj4 definition: `+proj=utm +zone=32 +ellps=clrk80 +units=m +no_defs`

EPSG 30791, Nord Sahara 1959 / Nord Algerie

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces Voirol 1879 / Nord Algerie ancienne (code 30493). Grid coordinates on average across Algeria are unchanged although local differences reach 30 metres; geographic coordinate equivalents do change.
Source: "Le System Geodesique Nord-Sahara"; IGN Paris
Revision: 18.04.2012
Proj4 definition: `+proj=lcc +lat_1=36 +lat_0=36 +lon_0=2.7 +k_0=0.999625544 +x_0=500135 +y_0=300090 +ellps=clrk80 +units=m +no_defs`

EPSG 30792, Nord Sahara 1959 / Sud Algerie

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces Voirol 1879 / Sud Algerie ancienne (code 30494). Grid coordinates on average across Algeria are unchanged although local differences reach 30 metres; geographic coordinate equivalents do change. INCT uses to south of 31°30'N; OGP recommends UTM.
Source: "Le System Geodesique Nord-Sahara"; IGN Paris
Revision: 18.04.2012
Proj4 definition: `+proj=lcc +lat_1=33.3 +lat_0=33.3 +lon_0=2.7 +k_0=0.999625769 +x_0=500135 +y_0=300090 +ellps=clrk80 +units=m +no_defs`

EPSG 31028, Yoff / UTM zone 28N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=28 +a=6378249.2 +b=6356515 +units=m +no_defs`

EPSG 31121, Zanderij / UTM zone 21N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=21 +ellps=intl +towgs84=-265,120,-358,0,0,0,0 +units=m +no_defs`

EPSG 31154, Zanderij / TM 54 NW

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: Shell International

Revision: 10.06.2000

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-54 +k=0.9996 +x_0=500000 +y_0=0 +ellps=intl +towgs84=-265,120,-358,0,0,0,0 +units=m +no_defs`

EPSG 31170, Zanderij / Suriname Old TM

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Introduced in 1975. Replaced by Zanderij / Suriname TM in 1979.

Source: Shell International

Revision: 10.06.2000

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-55.68333333333333 +k=0.9996 +x_0=500000 +y_0=0 +ellps=intl +towgs84=-265,120,-358,0,0,0,0 +units=m +no_defs`

EPSG 31171, Zanderij / Suriname TM

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced Zanderij / Suriname Old TM in 1979.

Source: Shell International

Revision: 10.06.2000

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-55.68333333333333 +k=0.9999 +x_0=500000 +y_0=0 +ellps=intl +towgs84=-265,120,-358,0,0,0,0 +units=m +no_defs`

EPSG 31251, MGI (Ferro) / Austria GK West Zone

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: MGI (Ferro) / Austria West Zone (CRS code 31281) with reduced northing. See CRS code 31254 for equivalent referenced to Greenwich meridian.

Source: Bundesamt fur Eich- und Vermessungswesen; Wien

Revision: 02.02.2007

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=28 +k=1 +x_0=0 +y_0=-5000000 +ellps=bessel +pm=ferro +units=m +no_defs`

EPSG 31252, MGI (Ferro) / Austria GK Central Zone

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: MGI (Ferro) / Austria Central Zone (CRS code 31282) with reduced northing. See CRS code 31255 for equivalent referenced to Greenwich meridian.

Source: Bundesamt fur Eich- und Vermessungswesen; Wien

Revision: 02.02.2007

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=31 +k=1 +x_0=0 +y_0=-5000000 +ellps=bessel +pm=ferro +units=m +no_defs`

EPSG 31253, MGI (Ferro) / Austria GK East Zone

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: MGI (Ferro) / Austria East Zone (CRS code 31283) with reduced northing. See CRS code 31256 for equivalent referenced to Greenwich meridian.

Source: Bundesamt fur Eich- und Vermessungswesen; Wien

Revision: 02.02.2007

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=34 +k=1 +x_0=0 +y_0=-5000000
+ellps=bessel +pm=ferro +units=m +no_defs
```

EPSG 31254, MGI / Austria GK West

Scope: Large and medium scale topographic mapping and engineering survey. Used as default CRS for digital data distribution through the BEV Geoportal.

Remarks: See CRS code 31251 for equivalent CRS referenced to Ferro meridian.

Source: Bundesamt fur Eich- und Vermessungswesen (BEV); Wien. www.bev.gv.at

Revision: 25.02.2011

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=10.33333333333333 +k=1 +x_0=0 +y_0=-
5000000 +ellps=bessel
+towgs84=577.326,90.129,463.919,5.137,1.474,5.297,2.4232 +units=m
+no_defs
```

EPSG 31255, MGI / Austria GK Central

Scope: Large and medium scale topographic mapping and engineering survey. Used as default CRS for digital data distribution through the BEV Geoportal.

Remarks: See CRS code 31252 for equivalent CRS referenced to Ferro meridian.

Source: Bundesamt fur Eich- und Vermessungswesen (BEV); Wien. www.bev.gv.at

Revision: 25.02.2011

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=13.33333333333333 +k=1 +x_0=0 +y_0=-
5000000 +ellps=bessel
+towgs84=577.326,90.129,463.919,5.137,1.474,5.297,2.4232 +units=m
+no_defs
```

EPSG 31256, MGI / Austria GK East

Scope: Large and medium scale topographic mapping and engineering survey. Used as default CRS for digital data distribution through the BEV Geoportal.

Remarks: See CRS code 31253 for equivalent CRS referenced to Ferro meridian.

Source: Bundesamt fur Eich- und Vermessungswesen (BEV); Wien. www.bev.gv.at

Revision: 25.02.2011

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=16.33333333333333 +k=1 +x_0=0 +y_0=-
5000000 +ellps=bessel
+towgs84=577.326,90.129,463.919,5.137,1.474,5.297,2.4232 +units=m
+no_defs
```

EPSG 31257, MGI / Austria GK M28

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: MGI / Austria M28 (CRS code 31284) with reduced northing.

Source: Bundesamt fur Eich- und Vermessungswesen; Wien

Revision: 02.02.2007

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=10.33333333333333 +k=1 +x_0=150000
+y_0=-5000000 +ellps=bessel
```

```
+towgs84=577.326,90.129,463.919,5.137,1.474,5.297,2.4232 +units=m
+no_defs
```

EPSG 31258, MGI / Austria GK M31

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: MGI / Austria M31 (CRS code 31285) with reduced northing.

Source: Bundesamt fur Eich- und Vermessungswesen; Wien

Revision: 02.02.2007

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=13.33333333333333 +k=1 +x_0=450000
+y_0=-5000000 +ellps=bessel
+towgs84=577.326,90.129,463.919,5.137,1.474,5.297,2.4232 +units=m
+no_defs
```

EPSG 31259, MGI / Austria GK M34

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: MGI / Austria M34 (CRS code 31286) with reduced northing.

Source: Bundesamt fur Eich- und Vermessungswesen; Wien

Revision: 02.02.2007

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=16.33333333333333 +k=1 +x_0=750000
+y_0=-5000000 +ellps=bessel
+towgs84=577.326,90.129,463.919,5.137,1.474,5.297,2.4232 +units=m
+no_defs
```

EPSG 31281, MGI (Ferro) / Austria West Zone

Scope: Cadastral survey.

Remarks: Also known as "Gebrauchsnetz". For other uses see MGI (Ferro) / M28 (alias Bundesmeldenetz M28) (EPSG code 31288).

Source: Bundesamt fur Eich- und Vermessungswesen; Wien

Revision: 28.08.2007

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=28 +k=1 +x_0=0 +y_0=0 +ellps=bessel
+pm=ferro +units=m +no_defs
```

EPSG 31282, MGI (Ferro) / Austria Central Zone

Scope: Cadastral survey.

Remarks: Also known as "Gebrauchsnetz". For other uses see MGI (Ferro) / M31 (alias Bundesmeldenetz M31) (EPSG code 31289).

Source: Bundesamt fur Eich- und Vermessungswesen; Wien

Revision: 28.08.2007

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=31 +k=1 +x_0=0 +y_0=0 +ellps=bessel
+pm=ferro +units=m +no_defs
```

EPSG 31283, MGI (Ferro) / Austria East Zone

Scope: Cadastral survey.

Remarks: Also known as "Gebrauchsnetz". For other uses see MGI (Ferro) / M34 (alias Bundesmeldenetz M34) (EPSG code 31290).

Source: Bundesamt fur Eich- und Vermessungswesen; Wien

Revision: 28.08.2007

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=34 +k=1 +x_0=0 +y_0=0 +ellps=bessel
+pm=ferro +units=m +no_defs
```

EPSG 31284, MGI / Austria M28

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Greenwich equivalent of MGI (Ferro) / M28 (alias Bundesmeldenetz M28) (EPSG code 31288).

Source: OGP

Revision: 02.02.2007

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=10.33333333333333 +k=1 +x_0=150000
+y_0=0 +ellps=bessel
+towgs84=577.326,90.129,463.919,5.137,1.474,5.297,2.4232 +units=m
+no_defs
```

EPSG 31285, MGI / Austria M31

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Greenwich equivalent of MGI (Ferro) / M31 (alias Bundesmeldenetz M31) (EPSG code 31289).

Source: OGP

Revision: 02.02.2007

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=13.33333333333333 +k=1 +x_0=450000
+y_0=0 +ellps=bessel
+towgs84=577.326,90.129,463.919,5.137,1.474,5.297,2.4232 +units=m
+no_defs
```

EPSG 31286, MGI / Austria M34

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Greenwich equivalent of MGI (Ferro) / M34 (alias Bundesmeldenetz M34) (EPSG code 31290).

Source: OGP

Revision: 02.02.2007

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=16.33333333333333 +k=1 +x_0=750000
+y_0=0 +ellps=bessel
+towgs84=577.326,90.129,463.919,5.137,1.474,5.297,2.4232 +units=m
+no_defs
```

EPSG 31287, MGI / Austria Lambert

Scope: Medium and small scale mapping and GIS.

Remarks: Replaced by ETRS89 / Austria Lambert (CRS code 3416).

Source: Bundesamt fur Eich- und Vermessungswesen; Wien

Revision: 12.12.2006

Proj4 definition:
```
+proj=lcc +lat_1=49 +lat_2=46 +lat_0=47.5 +lon_0=13.33333333333333
+x_0=400000 +y_0=400000 +ellps=bessel
+towgs84=577.326,90.129,463.919,5.137,1.474,5.297,2.4232 +units=m
+no_defs
```

EPSG 31288, MGI (Ferro) / M28

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Also known as Bundesmeldenetz. For equivalent using Greenwich meridian see MGI / M28 (code 31284). For cadastral survey see MGI (Ferro) / Austria West zone (alias Gebrauchsnetz M28) (EPSG code 31281).

Source: Bundesamt fur Eich- und Vermessungswesen; Wien

Revision: 28.08.2007

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=28 +k=1 +x_0=150000 +y_0=0 +ellps=bessel +pm=ferro +units=m +no_defs`

EPSG 31289, MGI (Ferro) / M31

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Also known as Bundesmeldenetz. For equivalent using Greenwich meridian see MGI / M31 (code 31285). For cadastral survey see MGI (Ferro) / Austria Central zone (alias Gebrauchsnetz M31) (EPSG code 31282).

Source: Bundesamt fur Eich- und Vermessungswesen; Wien

Revision: 28.08.2007

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=31 +k=1 +x_0=450000 +y_0=0 +ellps=bessel +pm=ferro +units=m +no_defs`

EPSG 31290, MGI (Ferro) / M34

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Also known as Bundesmeldenetz. For equivalent using Greenwich meridian see MGI / M34 (code 31286). For cadastral survey see MGI (Ferro) / Austria East zone (alias Gebrauchsnetz M34) (EPSG code 31283).

Source: Bundesamt fur Eich- und Vermessungswesen; Wien

Revision: 28.08.2007

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=34 +k=1 +x_0=750000 +y_0=0 +ellps=bessel +pm=ferro +units=m +no_defs`

EPSG 31300, Belge 1972 / Belge Lambert 72

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces 21500 (Belge 1950 / Belge Lambert 50). An alternative - Belge 1972 / Belgian Lambert 72 (code 31370) - was introduced in 2000 to use the standard Lambert Conic Conformal (2SP) projection method (code 9802). EPSG recommends this alternative.

Source: IGN Brussels; www.ngi.be/

Revision: 29.09.2005

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=34 +k=1 +x_0=750000 +y_0=0 +ellps=bessel +pm=ferro +units=m +no_defs`

EPSG 31370, Belge 1972 / Belgian Lambert 72

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Introduced in 2000 as an alternative to CRS code 31300 to avoid the special projection method LCC (2SP Belgium) (code 9803). If software cannot handle latitude of origin 90°N, use latitude of origin = 50°47'57.704"N with Nf = 165372.956 m.

Source: IGN Brussels; www.ngi.be/

Revision: 05.08.2008

Proj4 definition: `+proj=lcc +lat_1=51.16666723333333 +lat_2=49.8333339 +lat_0=90 +lon_0=4.367486666666666 +x_0=150000.013 +y_0=5400088.438 +ellps=intl +towgs84=106.869,-52.2978,103.724,-0.33657,0.456955,-1.84218,1 +units=m +no_defs`

EPSG 31466, DHDN / 3-degree Gauss-Kruger zone 2

Scope: Large and medium scale topographic mapping and engineering survey,

cadastral survey.

Remarks: Zone width 3 degrees. Also used offshore between 4.5°E and 7.5°E by State Geological Surveys. Not used offshore in oil industry. See CRS code 5676 for variant with axes order reversed to easting before northing for use in GIS applications.

Source: Bundesamt für Kartographie und Geodäsie via EuroGeographics; http://crs.bkg.bund.de/crs-eu/

Revision: 21.01.2012

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=6 +k=1 +x_0=2500000 +y_0=0
+ellps=bessel +datum=potsdam +units=m +no_defs
```

EPSG 31467, DHDN / 3-degree Gauss-Kruger zone 3

Scope: Large and medium scale topographic mapping and engineering survey, cadastral survey.

Remarks: Zone width 3 degrees. Also used offshore by State Geological Surveys. Not used offshore in oil industry. See CRS code 5677 for variant with axes order reversed to easting before northing for use in GIS applications.

Source: Bundesamt für Kartographie und Geodäsie via EuroGeographics; http://crs.bkg.bund.de/crs-eu/

Revision: 21.01.2012

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=9 +k=1 +x_0=3500000 +y_0=0
+ellps=bessel +datum=potsdam +units=m +no_defs
```

EPSG 31468, DHDN / 3-degree Gauss-Kruger zone 4

Scope: Large and medium scale topographic mapping and engineering survey, cadastral survey.

Remarks: Zone width 3 degrees. Also used offshore by State Geological Surveys. Not used offshore in oil industry. See CRS code 5678 for variant with axes order reversed to easting before northing for use in GIS applications.

Source: Bundesamt für Kartographie und Geodäsie via EuroGeographics; http://crs.bkg.bund.de/crs-eu/

Revision: 21.01.2012

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=12 +k=1 +x_0=4500000 +y_0=0
+ellps=bessel +datum=potsdam +units=m +no_defs
```

EPSG 31469, DHDN / 3-degree Gauss-Kruger zone 5

Scope: Large and medium scale topographic mapping and engineering survey, cadastral survey.

Remarks: Zone width 3 degrees. Also used offshore by State Geological Surveys. Not used offshore in oil industry. See CRS code 5679 for variant with axes order reversed to easting before northing for use in GIS applications.

Source: Bundesamt für Kartographie und Geodäsie via EuroGeographics; http://crs.bkg.bund.de/crs-eu/

Revision: 21.01.2012

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=15 +k=1 +x_0=5500000 +y_0=0
+ellps=bessel +datum=potsdam +units=m +no_defs
```

EPSG 31528, Conakry 1905 / UTM zone 28N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaced by Dabola 1981 / UTM zone 28 (EPSG code 3461).
Source:
Revision: 06.02.2007
Proj4 definition: `+proj=utm +zone=28 +a=6378249.2 +b=6356515 +towgs84=-23,259,-9,0,0,0,0 +units=m +no_defs`

EPSG 31529, Conakry 1905 / UTM zone 29N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaced by Dabola 1981 / UTM zone 29 (EPSG code 3462).
Source:
Revision: 06.02.2007
Proj4 definition: `+proj=utm +zone=29 +a=6378249.2 +b=6356515 +towgs84=-23,259,-9,0,0,0,0 +units=m +no_defs`

EPSG 31600, Dealul Piscului 1930 / Stereo 33

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaced by Stereo 70 system (ProjCRS code 3844).
Source:
Revision: 24.09.2008
Proj4 definition: `+proj=sterea +lat_0=45.9 +lon_0=25.39246588888889 +k=0.9996667 +x_0=500000 +y_0=500000 +ellps=intl +units=m +no_defs`

EPSG 31838, NGN / UTM zone 38N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 12.04.1996
Proj4 definition: `+proj=utm +zone=38 +ellps=WGS84 +towgs84=-3.2,-5.7,2.8,0,0,0,0 +units=m +no_defs`

EPSG 31839, NGN / UTM zone 39N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 12.04.1996
Proj4 definition: `+proj=utm +zone=39 +ellps=WGS84 +towgs84=-3.2,-5.7,2.8,0,0,0,0 +units=m +no_defs`

EPSG 31901, KUDAMS / KTM

Scope: Large scale engineering and utility mapping.
Remarks:
Source:
Revision: 12.04.1996
Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=48 +k=1 +x_0=500000 +y_0=0 +ellps=GRS80 +units=m +no_defs`

EPSG 31965, SIRGAS 2000 / UTM zone 11N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: OGP
Revision: 02.11.2010
Proj4 definition: `+proj=utm +zone=11 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 31966, SIRGAS 2000 / UTM zone 12N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: OGP
Revision: 02.11.2010
Proj4 definition: `+proj=utm +zone=12 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 31967, SIRGAS 2000 / UTM zone 13N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: OGP
Revision: 02.11.2010
Proj4 definition: `+proj=utm +zone=13 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 31968, SIRGAS 2000 / UTM zone 14N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: OGP
Revision: 02.11.2010
Proj4 definition: `+proj=utm +zone=14 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 31969, SIRGAS 2000 / UTM zone 15N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: OGP
Revision: 02.11.2010
Proj4 definition: `+proj=utm +zone=15 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 31970, SIRGAS 2000 / UTM zone 16N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source: OGP
Revision: 02.11.2010
Proj4 `+proj=utm +zone=16 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m`

definition: +no_defs

EPSG 31971, SIRGAS 2000 / UTM zone 17N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces SIRGAS 1995 system.
Source: OGP
Revision: 21.07.2006
Proj4 definition: +proj=utm +zone=17 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs

EPSG 31972, SIRGAS 2000 / UTM zone 18N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces SIRGAS 1995 system.
Source: OGP
Revision: 21.07.2006
Proj4 definition: +proj=utm +zone=18 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs

EPSG 31973, SIRGAS 2000 / UTM zone 19N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces SIRGAS 1995 system.
Source: OGP
Revision: 21.07.2006
Proj4 definition: +proj=utm +zone=19 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs

EPSG 31974, SIRGAS 2000 / UTM zone 20N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces SIRGAS 1995 system.
Source: OGP
Revision: 21.07.2006
Proj4 definition: +proj=utm +zone=20 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs

EPSG 31975, SIRGAS 2000 / UTM zone 21N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces SIRGAS 1995 system.
Source: OGP
Revision: 21.07.2006
Proj4 definition: +proj=utm +zone=21 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs

EPSG 31976, SIRGAS 2000 / UTM zone 22N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces SIRGAS 1995 system.
Source: OGP
Revision: 21.07.2006

Proj4 definition: `+proj=utm +zone=22 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 31977, SIRGAS 2000 / UTM zone 17S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces SIRGAS 1995 system.
Source: OGP
Revision: 22.04.2004
Proj4 definition: `+proj=utm +zone=17 +south +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 31978, SIRGAS 2000 / UTM zone 18S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces SIRGAS 1995 system.
Source: OGP
Revision: 27.07.2011
Proj4 definition: `+proj=utm +zone=18 +south +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 31979, SIRGAS 2000 / UTM zone 19S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces SIRGAS 1995 system.
Source: OGP
Revision: 27.07.2011
Proj4 definition: `+proj=utm +zone=19 +south +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 31980, SIRGAS 2000 / UTM zone 20S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces SIRGAS 1995 system.
Source: OGP
Revision: 27.07.2011
Proj4 definition: `+proj=utm +zone=20 +south +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 31981, SIRGAS 2000 / UTM zone 21S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces SIRGAS 1995 system.
Source: OGP
Revision: 27.07.2011
Proj4 definition: `+proj=utm +zone=21 +south +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 31982, SIRGAS 2000 / UTM zone 22S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaces SIRGAS 1995 system.
Source: OGP

Revision: 27.07.2011

Proj4 definition: `+proj=utm +zone=22 +south +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 31983, SIRGAS 2000 / UTM zone 23S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces SIRGAS 1995 system.

Source: OGP

Revision: 27.07.2011

Proj4 definition: `+proj=utm +zone=23 +south +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 31984, SIRGAS 2000 / UTM zone 24S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces SIRGAS 1995 system.

Source: OGP

Revision: 27.07.2011

Proj4 definition: `+proj=utm +zone=24 +south +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 31985, SIRGAS 2000 / UTM zone 25S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaces SIRGAS 1995 system.

Source: OGP

Revision: 27.07.2011

Proj4 definition: `+proj=utm +zone=25 +south +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 31986, SIRGAS 1995 / UTM zone 17N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced by SIRGAS 2000 system.

Source:

Revision: 22.04.2004

Proj4 definition: `+proj=utm +zone=17 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 31987, SIRGAS 1995 / UTM zone 18N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced by SIRGAS 2000 system.

Source:

Revision: 22.04.2004

Proj4 definition: `+proj=utm +zone=18 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 31988, SIRGAS 1995 / UTM zone 19N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced by SIRGAS 2000 system.

Source:

Revision: 22.04.2004

Proj4 definition: `+proj=utm +zone=19 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 31989, SIRGAS 1995 / UTM zone 20N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced by SIRGAS 2000 system.

Source:

Revision: 22.04.2004

Proj4 definition: `+proj=utm +zone=20 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 31990, SIRGAS 1995 / UTM zone 21N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced by SIRGAS 2000 system.

Source:

Revision: 22.04.2004

Proj4 definition: `+proj=utm +zone=21 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 31991, SIRGAS 1995 / UTM zone 22N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced by SIRGAS 2000 system.

Source:

Revision: 22.04.2004

Proj4 definition: `+proj=utm +zone=22 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 31992, SIRGAS 1995 / UTM zone 17S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: For scientific purposes, replaced by SIRGAS 2000 system. Remains official system in Ecuador.

Source: IGM Ecuador.

Revision: 02.06.2009

Proj4 definition: `+proj=utm +zone=17 +south +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 31993, SIRGAS 1995 / UTM zone 18S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced by SIRGAS 2000 system.

Source:

Revision: 22.04.2004

Proj4 definition: `+proj=utm +zone=18 +south +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 31994, SIRGAS 1995 / UTM zone 19S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaced by SIRGAS 2000 system.
Source:
Revision: 22.04.2004
Proj4 definition: `+proj=utm +zone=19 +south +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 31995, SIRGAS 1995 / UTM zone 20S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaced by SIRGAS 2000 system.
Source:
Revision: 22.04.2004
Proj4 definition: `+proj=utm +zone=20 +south +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 31996, SIRGAS 1995 / UTM zone 21S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaced by SIRGAS 2000 system.
Source:
Revision: 22.04.2004
Proj4 definition: `+proj=utm +zone=21 +south +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 31997, SIRGAS 1995 / UTM zone 22S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaced by SIRGAS 2000 system.
Source:
Revision: 22.04.2004
Proj4 definition: `+proj=utm +zone=22 +south +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 31998, SIRGAS 1995 / UTM zone 23S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaced by SIRGAS 2000 system.
Source:
Revision: 22.04.2004
Proj4 definition: `+proj=utm +zone=23 +south +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 31999, SIRGAS 1995 / UTM zone 24S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaced by SIRGAS 2000 system.
Source:
Revision: 22.04.2004
Proj4 definition: `+proj=utm +zone=24 +south +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 32000, SIRGAS 1995 / UTM zone 25S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Replaced by SIRGAS 2000 system.
Source:
Revision: 22.04.2004
Proj4 definition: `+proj=utm +zone=25 +south +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs`

EPSG 32001, NAD27 / Montana North

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=lcc +lat_1=48.71666666666667 +lat_2=47.85 +lat_0=47 +lon_0=-109.5 +x_0=609601.2192024384 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 32002, NAD27 / Montana Central

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=lcc +lat_1=47.88333333333333 +lat_2=46.45 +lat_0=45.83333333333334 +lon_0=-109.5 +x_0=609601.2192024384 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 32003, NAD27 / Montana South

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=lcc +lat_1=46.4 +lat_2=44.86666666666667 +lat_0=44 +lon_0=-109.5 +x_0=609601.2192024384 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 32005, NAD27 / Nebraska North

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=lcc +lat_1=41.85 +lat_2=42.81666666666667 +lat_0=41.33333333333334 +lon_0=-100 +x_0=609601.2192024384 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 32006, NAD27 / Nebraska South

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:

Revision: 02.06.1995

Proj4 definition:
```
+proj=lcc +lat_1=40.28333333333333 +lat_2=41.71666666666667
+lat_0=39.66666666666666 +lon_0=-99.5 +x_0=609601.2192024384 +y_0=0
+ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs
```

EPSG 32007, NAD27 / Nevada East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 07.03.2000

Proj4 definition:
```
+proj=tmerc +lat_0=34.75 +lon_0=-115.5833333333333 +k=0.9999
+x_0=152400.3048006096 +y_0=0 +ellps=clrk66 +datum=NAD27
+to_meter=0.3048006096012192 +no_defs
```

EPSG 32008, NAD27 / Nevada Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition:
```
+proj=tmerc +lat_0=34.75 +lon_0=-116.6666666666667 +k=0.9999
+x_0=152400.3048006096 +y_0=0 +ellps=clrk66 +datum=NAD27
+to_meter=0.3048006096012192 +no_defs
```

EPSG 32009, NAD27 / Nevada West

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 07.03.2000

Proj4 definition:
```
+proj=tmerc +lat_0=34.75 +lon_0=-118.5833333333333 +k=0.9999
+x_0=152400.3048006096 +y_0=0 +ellps=clrk66 +datum=NAD27
+to_meter=0.3048006096012192 +no_defs
```

EPSG 32010, NAD27 / New Hampshire

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 07.03.2000

Proj4 definition:
```
+proj=tmerc +lat_0=42.5 +lon_0=-71.66666666666667 +k=0.999966667
+x_0=152400.3048006096 +y_0=0 +ellps=clrk66 +datum=NAD27
+to_meter=0.3048006096012192 +no_defs
```

EPSG 32011, NAD27 / New Jersey

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 07.03.2000

Proj4 definition:
```
+proj=tmerc +lat_0=38.83333333333334 +lon_0=-74.66666666666667
+k=0.9999749999999999 +x_0=609601.2192024384 +y_0=0 +ellps=clrk66
+datum=NAD27 +to_meter=0.3048006096012192 +no_defs
```

EPSG 32012, NAD27 / New Mexico East

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 07.03.2000
Proj4 definition: `+proj=tmerc +lat_0=31 +lon_0=-104.3333333333333 +k=0.999909091 +x_0=152400.3048006096 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 32013, NAD27 / New Mexico Central

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=tmerc +lat_0=31 +lon_0=-106.25 +k=0.9999 +x_0=152400.3048006096 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 32014, NAD27 / New Mexico West

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 07.03.2000
Proj4 definition: `+proj=tmerc +lat_0=31 +lon_0=-107.8333333333333 +k=0.999916667 +x_0=152400.3048006096 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 32015, NAD27 / New York East

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 07.03.2000
Proj4 definition: `+proj=tmerc +lat_0=40 +lon_0=-74.33333333333333 +k=0.999966667 +x_0=152400.3048006096 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 32016, NAD27 / New York Central

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=tmerc +lat_0=40 +lon_0=-76.58333333333333 +k=0.9999375 +x_0=152400.3048006096 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 32017, NAD27 / New York West

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 07.03.2000

Proj4 definition: `+proj=tmerc +lat_0=40 +lon_0=-78.58333333333333 +k=0.9999375 +x_0=152400.3048006096 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 32019, NAD27 / North Carolina

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 07.03.2000

Proj4 definition: `+proj=lcc +lat_1=34.33333333333334 +lat_2=36.16666666666666 +lat_0=33.75 +lon_0=-79 +x_0=609601.2192024384 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 32020, NAD27 / North Dakota North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=lcc +lat_1=47.43333333333333 +lat_2=48.73333333333333 +lat_0=47 +lon_0=-100.5 +x_0=609601.2192024384 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 32021, NAD27 / North Dakota South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=lcc +lat_1=46.18333333333333 +lat_2=47.48333333333333 +lat_0=45.66666666666666 +lon_0=-100.5 +x_0=609601.2192024384 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 32022, NAD27 / Ohio North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=lcc +lat_1=40.43333333333333 +lat_2=41.7 +lat_0=39.66666666666666 +lon_0=-82.5 +x_0=609601.2192024384 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 32023, NAD27 / Ohio South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=lcc +lat_1=38.73333333333333 +lat_2=40.03333333333333 +lat_0=38 +lon_0=-82.5 +x_0=609601.2192024384 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 32024, NAD27 / Oklahoma North

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=lcc +lat_1=35.56666666666667 +lat_2=36.76666666666667 +lat_0=35 +lon_0=-98 +x_0=609601.2192024384 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 32025, NAD27 / Oklahoma South

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=lcc +lat_1=33.93333333333333 +lat_2=35.23333333333333 +lat_0=33.33333333333334 +lon_0=-98 +x_0=609601.2192024384 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 32026, NAD27 / Oregon North

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=lcc +lat_1=44.33333333333334 +lat_2=46 +lat_0=43.66666666666666 +lon_0=-120.5 +x_0=609601.2192024384 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 32027, NAD27 / Oregon South

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=lcc +lat_1=42.33333333333334 +lat_2=44 +lat_0=41.66666666666666 +lon_0=-120.5 +x_0=609601.2192024384 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 32028, NAD27 / Pennsylvania North

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=lcc +lat_1=40.88333333333333 +lat_2=41.95 +lat_0=40.16666666666666 +lon_0=-77.75 +x_0=609601.2192024384 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 32030, NAD27 / Rhode Island

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:

Source:

Revision: 07.03.2000

Proj4 definition: `+proj=tmerc +lat_0=41.08333333333334 +lon_0=-71.5 +k=0.9999938 +x_0=152400.3048006096 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 32031, NAD27 / South Carolina North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=lcc +lat_1=33.76666666666667 +lat_2=34.96666666666667 +lat_0=33 +lon_0=-81 +x_0=609601.2192024384 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 32033, NAD27 / South Carolina South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=lcc +lat_1=32.33333333333334 +lat_2=33.66666666666666 +lat_0=31.83333333333333 +lon_0=-81 +x_0=609601.2192024384 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 32034, NAD27 / South Dakota North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=lcc +lat_1=44.41666666666666 +lat_2=45.68333333333333 +lat_0=43.83333333333334 +lon_0=-100 +x_0=609601.2192024384 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 32035, NAD27 / South Dakota South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=lcc +lat_1=42.83333333333334 +lat_2=44.4 +lat_0=42.33333333333334 +lon_0=-100.3333333333333 +x_0=609601.2192024384 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 32037, NAD27 / Texas North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=lcc +lat_1=34.65 +lat_2=36.18333333333333 +lat_0=34 +lon_0=-101.5 +x_0=609601.2192024384 +y_0=0 +ellps=clrk66 +datum=NAD27`

```
+to_meter=0.3048006096012192 +no_defs
```

EPSG 32038, NAD27 / Texas North Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition:
```
+proj=lcc +lat_1=32.13333333333333 +lat_2=33.96666666666667
+lat_0=31.66666666666667 +lon_0=-97.5 +x_0=609601.2192024384 +y_0=0
+ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs
```

EPSG 32039, NAD27 / Texas Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition:
```
+proj=lcc +lat_1=30.11666666666667 +lat_2=31.88333333333333
+lat_0=29.66666666666667 +lon_0=-100.3333333333333
+x_0=609601.2192024384 +y_0=0 +ellps=clrk66 +datum=NAD27
+to_meter=0.3048006096012192 +no_defs
```

EPSG 32040, NAD27 / Texas South Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition:
```
+proj=lcc +lat_1=28.38333333333333 +lat_2=30.28333333333333
+lat_0=27.83333333333333 +lon_0=-99 +x_0=609601.2192024384 +y_0=0
+ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs
```

EPSG 32041, NAD27 / Texas South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition:
```
+proj=lcc +lat_1=26.16666666666667 +lat_2=27.83333333333333
+lat_0=25.66666666666667 +lon_0=-98.5 +x_0=609601.2192024384 +y_0=0
+ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs
```

EPSG 32042, NAD27 / Utah North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition:
```
+proj=lcc +lat_1=40.71666666666667 +lat_2=41.78333333333333
+lat_0=40.33333333333334 +lon_0=-111.5 +x_0=609601.2192024384
+y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192
+no_defs
```

EPSG 32043, NAD27 / Utah Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition:
```
+proj=lcc +lat_1=39.01666666666667 +lat_2=40.65
+lat_0=38.33333333333334 +lon_0=-111.5 +x_0=609601.2192024384
+y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192
+no_defs
```

EPSG 32044, NAD27 / Utah South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 07.03.2000

Proj4 definition:
```
+proj=lcc +lat_1=37.21666666666667 +lat_2=38.35
+lat_0=36.66666666666666 +lon_0=-111.5 +x_0=609601.2192024384
+y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192
+no_defs
```

EPSG 32045, NAD27 / Vermont

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition:
```
+proj=tmerc +lat_0=42.5 +lon_0=-72.5 +k=0.999964286
+x_0=152400.3048006096 +y_0=0 +ellps=clrk66 +datum=NAD27
+to_meter=0.3048006096012192 +no_defs
```

EPSG 32046, NAD27 / Virginia North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition:
```
+proj=lcc +lat_1=38.03333333333333 +lat_2=39.2
+lat_0=37.66666666666666 +lon_0=-78.5 +x_0=609601.2192024384 +y_0=0
+ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs
```

EPSG 32047, NAD27 / Virginia South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition:
```
+proj=lcc +lat_1=36.76666666666667 +lat_2=37.96666666666667
+lat_0=36.33333333333334 +lon_0=-78.5 +x_0=609601.2192024384 +y_0=0
+ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs
```

EPSG 32048, NAD27 / Washington North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=lcc +lat_1=47.5 +lat_2=48.73333333333333 +lat_0=47 +lon_0=-120.8333333333333 +x_0=609601.2192024384 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 32049, NAD27 / Washington South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=lcc +lat_1=45.83333333333334 +lat_2=47.33333333333334 +lat_0=45.33333333333334 +lon_0=-120.5 +x_0=609601.2192024384 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 32050, NAD27 / West Virginia North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=lcc +lat_1=39 +lat_2=40.25 +lat_0=38.5 +lon_0=-79.5 +x_0=609601.2192024384 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 32051, NAD27 / West Virginia South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=lcc +lat_1=37.48333333333333 +lat_2=38.88333333333333 +lat_0=37 +lon_0=-81 +x_0=609601.2192024384 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 32052, NAD27 / Wisconsin North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=lcc +lat_1=45.56666666666667 +lat_2=46.76666666666667 +lat_0=45.16666666666666 +lon_0=-90 +x_0=609601.2192024384 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 32053, NAD27 / Wisconsin Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=lcc +lat_1=44.25 +lat_2=45.5 +lat_0=43.83333333333334 +lon_0=-90 +x_0=609601.2192024384 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 32054, NAD27 / Wisconsin South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition:
```
+proj=lcc +lat_1=42.73333333333333 +lat_2=44.06666666666667
+lat_0=42 +lon_0=-90 +x_0=609601.2192024384 +y_0=0 +ellps=clrk66
+datum=NAD27 +to_meter=0.3048006096012192 +no_defs
```

EPSG 32055, NAD27 / Wyoming East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 07.03.2000

Proj4 definition:
```
+proj=tmerc +lat_0=40.66666666666666 +lon_0=-105.1666666666667
+k=0.999941177 +x_0=152400.3048006096 +y_0=0 +ellps=clrk66
+datum=NAD27 +to_meter=0.3048006096012192 +no_defs
```

EPSG 32056, NAD27 / Wyoming East Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 07.03.2000

Proj4 definition:
```
+proj=tmerc +lat_0=40.66666666666666 +lon_0=-107.3333333333333
+k=0.999941177 +x_0=152400.3048006096 +y_0=0 +ellps=clrk66
+datum=NAD27 +to_meter=0.3048006096012192 +no_defs
```

EPSG 32057, NAD27 / Wyoming West Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 07.03.2000

Proj4 definition:
```
+proj=tmerc +lat_0=40.66666666666666 +lon_0=-108.75 +k=0.999941177
+x_0=152400.3048006096 +y_0=0 +ellps=clrk66 +datum=NAD27
+to_meter=0.3048006096012192 +no_defs
```

EPSG 32058, NAD27 / Wyoming West

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 07.03.2000

Proj4 definition:
```
+proj=tmerc +lat_0=40.66666666666666 +lon_0=-110.0833333333333
+k=0.999941177 +x_0=152400.3048006096 +y_0=0 +ellps=clrk66
+datum=NAD27 +to_meter=0.3048006096012192 +no_defs
```

EPSG 32064, NAD27 / BLM 14N (ftUS)

Scope: Minerals (including oil) management, exploration and production.

Remarks:

Source: OGP

Revision: 05.03.2010

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-99 +k=0.9996 +x_0=500000.001016002 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 32065, NAD27 / BLM 15N (ftUS)

Scope: Minerals (including oil) management, exploration and production.

Remarks:

Source: OGP

Revision: 05.03.2010

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-93 +k=0.9996 +x_0=500000.001016002 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 32066, NAD27 / BLM 16N (ftUS)

Scope: Minerals (including oil) management, exploration and production.

Remarks:

Source: OGP

Revision: 05.03.2010

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-87 +k=0.9996 +x_0=500000.001016002 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 32067, NAD27 / BLM 17N (ftUS)

Scope: Minerals (including oil) management, exploration and production.

Remarks:

Source: OGP

Revision: 05.03.2010

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-81 +k=0.9996 +x_0=500000.001016002 +y_0=0 +ellps=clrk66 +datum=NAD27 +to_meter=0.3048006096012192 +no_defs`

EPSG 32081, NAD27 / MTM zone 1

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: Geodetic Surveys Section; Newfoundland Department of Government Services and Lands.

Revision: 13.11.1997

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-53 +k=0.9999 +x_0=304800 +y_0=0 +ellps=clrk66 +datum=NAD27 +units=m +no_defs`

EPSG 32082, NAD27 / MTM zone 2

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: Geodetic Surveys Section; Newfoundland Department of Government Services and Lands.

Revision: 13.11.1997

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-56 +k=0.9999 +x_0=304800 +y_0=0 +ellps=clrk66 +datum=NAD27 +units=m +no_defs`

EPSG 32083, NAD27 / MTM zone 3

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: Geodetic Surveys Section; Newfoundland Department of Government Services and Lands.

Revision: 13.11.1997

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-58.5 +k=0.9999 +x_0=304800 +y_0=0 +ellps=clrk66 +datum=NAD27 +units=m +no_defs`

EPSG 32084, NAD27 / MTM zone 4

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: Geodetic Surveys Section; Newfoundland Department of Government Services and Lands.

Revision: 30.06.2011

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-61.5 +k=0.9999 +x_0=304800 +y_0=0 +ellps=clrk66 +datum=NAD27 +units=m +no_defs`

EPSG 32085, NAD27 / MTM zone 5

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: Geodetic Surveys Section; Newfoundland Department of Government Services and Lands.

Revision: 30.06.2011

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-64.5 +k=0.9999 +x_0=304800 +y_0=0 +ellps=clrk66 +datum=NAD27 +units=m +no_defs`

EPSG 32086, NAD27 / MTM zone 6

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: Geodetic Surveys Section; Newfoundland Department of Government Services and Lands.

Revision: 30.06.2011

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-67.5 +k=0.9999 +x_0=304800 +y_0=0 +ellps=clrk66 +datum=NAD27 +units=m +no_defs`

EPSG 32098, NAD27 / Quebec Lambert

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Replaced by NAD27(CGQ77) / Quebec Lambert (code 2137) in 1977.

Source: Service de la Cartographie; Ministère des Ressources Naturelles; Quebec

Revision: 19.10.2000

Proj4 definition: `+proj=lcc +lat_1=60 +lat_2=46 +lat_0=44 +lon_0=-68.5 +x_0=0 +y_0=0 +ellps=clrk66 +datum=NAD27 +units=m +no_defs`

EPSG 32099, NAD27 / Louisiana Offshore

Scope: Not used in oil industry. Usage for other applications is not known.

Remarks: This system is NOT used for oil industry purposes. Use NAD27 / Louisiana

South (CRS code 26782) in state waters and on LA OCS shelf and NAD27 / BLM (CRS codes 32065-66) in OCS deep water protraction areas.

Source: OGP

Revision: 12.06.2006

Proj4 definition:
```
+proj=lcc +lat_1=27.83333333333333 +lat_2=26.16666666666667
+lat_0=25.66666666666667 +lon_0=-91.33333333333333
+x_0=609601.2192024384 +y_0=0 +ellps=clrk66 +datum=NAD27
+to_meter=0.3048006096012192 +no_defs
```

EPSG 32100, NAD83 / Montana

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in International feet (note: not US survey feet). See code 2256 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 07.03.2000

Proj4 definition:
```
+proj=lcc +lat_1=49 +lat_2=45 +lat_0=44.25 +lon_0=-109.5
+x_0=600000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs
```

EPSG 32104, NAD83 / Nebraska

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See CRS code 26852 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 23.06.2008

Proj4 definition:
```
+proj=lcc +lat_1=43 +lat_2=40 +lat_0=39.83333333333334 +lon_0=-100
+x_0=500000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs
```

EPSG 32107, NAD83 / Nevada East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 3421 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey

Revision: 20.12.2006

Proj4 definition:
```
+proj=tmerc +lat_0=34.75 +lon_0=-115.5833333333333 +k=0.9999
+x_0=200000 +y_0=8000000 +ellps=GRS80 +datum=NAD83 +units=m
+no_defs
```

EPSG 32108, NAD83 / Nevada Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 3422 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey

Revision: 20.12.2006

Proj4 definition:
```
+proj=tmerc +lat_0=34.75 +lon_0=-116.6666666666667 +k=0.9999
+x_0=500000 +y_0=6000000 +ellps=GRS80 +datum=NAD83 +units=m
```

+no_defs

EPSG 32109, NAD83 / Nevada West

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 3423 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey

Revision: 20.12.2006

Proj4 definition: +proj=tmerc +lat_0=34.75 +lon_0=-118.5833333333333 +k=0.9999 +x_0=800000 +y_0=4000000 +ellps=GRS80 +datum=NAD83 +units=m +no_defs

EPSG 32110, NAD83 / New Hampshire

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 3437 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey

Revision: 20.12.2006

Proj4 definition: +proj=tmerc +lat_0=42.5 +lon_0=-71.66666666666667 +k=0.999966667 +x_0=300000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs

EPSG 32111, NAD83 / New Jersey

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 3424 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey

Revision: 20.12.2006

Proj4 definition: +proj=tmerc +lat_0=38.83333333333334 +lon_0=-74.5 +k=0.9999 +x_0=150000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs

EPSG 32112, NAD83 / New Mexico East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2257 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 02.06.1995

Proj4 definition: +proj=tmerc +lat_0=31 +lon_0=-104.3333333333333 +k=0.999909091 +x_0=165000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs

EPSG 32113, NAD83 / New Mexico Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2258 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=tmerc +lat_0=31 +lon_0=-106.25 +k=0.9999 +x_0=500000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 32114, NAD83 / New Mexico West

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2259 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=tmerc +lat_0=31 +lon_0=-107.8333333333333 +k=0.999916667 +x_0=830000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 32115, NAD83 / New York East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2260 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 07.03.2000

Proj4 definition: `+proj=tmerc +lat_0=38.83333333333334 +lon_0=-74.5 +k=0.9999 +x_0=150000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 32116, NAD83 / New York Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2261 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=tmerc +lat_0=40 +lon_0=-76.58333333333333 +k=0.9999375 +x_0=250000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 32117, NAD83 / New York West

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2263 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 07.03.2000

Proj4 definition: `+proj=tmerc +lat_0=40 +lon_0=-78.58333333333333 +k=0.9999375 +x_0=350000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 32118, NAD83 / New York Long Island

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2264 for equivalent

non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=lcc +lat_1=41.03333333333333 +lat_2=40.66666666666666 +lat_0=40.16666666666666 +lon_0=-74 +x_0=300000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 32119, NAD83 / North Carolina

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2264 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 19.01.2007

Proj4 definition: `+proj=lcc +lat_1=36.16666666666666 +lat_2=34.33333333333334 +lat_0=33.75 +lon_0=-79 +x_0=609601.22 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 32120, NAD83 / North Dakota North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in International feet (note: not US survey feet). See code 2265 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=lcc +lat_1=48.73333333333333 +lat_2=47.43333333333333 +lat_0=47 +lon_0=-100.5 +x_0=600000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 32121, NAD83 / North Dakota South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in International feet (note: not US survey feet). See code 2266 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=lcc +lat_1=47.48333333333333 +lat_2=46.18333333333333 +lat_0=45.66666666666666 +lon_0=-100.5 +x_0=600000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 32122, NAD83 / Ohio North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 3734 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 13.03.2007

Proj4 definition: `+proj=lcc +lat_1=41.7 +lat_2=40.43333333333333 +lat_0=39.66666666666666 +lon_0=-82.5 +x_0=600000 +y_0=0`

```
+ellps=GRS80 +datum=NAD83 +units=m +no_defs
```

EPSG 32123, NAD83 / Ohio South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 3735 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 13.03.2007

Proj4 definition:
```
+proj=lcc +lat_1=40.03333333333333 +lat_2=38.73333333333333
+lat_0=38 +lon_0=-82.5 +x_0=600000 +y_0=0 +ellps=GRS80 +datum=NAD83
+units=m +no_defs
```

EPSG 32124, NAD83 / Oklahoma North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2267 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 02.06.1995

Proj4 definition:
```
+proj=lcc +lat_1=36.76666666666667 +lat_2=35.56666666666667
+lat_0=35 +lon_0=-98 +x_0=600000 +y_0=0 +ellps=GRS80 +datum=NAD83
+units=m +no_defs
```

EPSG 32125, NAD83 / Oklahoma South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2268 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 02.06.1995

Proj4 definition:
```
+proj=lcc +lat_1=35.23333333333333 +lat_2=33.93333333333333
+lat_0=33.33333333333334 +lon_0=-98 +x_0=600000 +y_0=0 +ellps=GRS80
+datum=NAD83 +units=m +no_defs
```

EPSG 32126, NAD83 / Oregon North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in International feet (note: not US survey feet). See code 2269 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 02.06.1995

Proj4 definition:
```
+proj=lcc +lat_1=46 +lat_2=44.33333333333334
+lat_0=43.66666666666666 +lon_0=-120.5 +x_0=2500000 +y_0=0
+ellps=GRS80 +datum=NAD83 +units=m +no_defs
```

EPSG 32127, NAD83 / Oregon South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in International feet (note: not US survey feet). See code 2270 for equivalent non-metric definition. For applications with an

accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 02.06.1995

Proj4 definition:
```
+proj=lcc +lat_1=44 +lat_2=42.33333333333334
+lat_0=41.66666666666666 +lon_0=-120.5 +x_0=1500000 +y_0=0
+ellps=GRS80 +datum=NAD83 +units=m +no_defs
```

EPSG 32128, NAD83 / Pennsylvania North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2271 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 19.01.2007

Proj4 definition:
```
+proj=lcc +lat_1=41.95 +lat_2=40.88333333333333
+lat_0=40.16666666666666 +lon_0=-77.75 +x_0=600000 +y_0=0
+ellps=GRS80 +datum=NAD83 +units=m +no_defs
```

EPSG 32129, NAD83 / Pennsylvania South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2272 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 19.01.2007

Proj4 definition:
```
+proj=lcc +lat_1=40.96666666666667 +lat_2=39.93333333333333
+lat_0=39.33333333333334 +lon_0=-77.75 +x_0=600000 +y_0=0
+ellps=GRS80 +datum=NAD83 +units=m +no_defs
```

EPSG 32130, NAD83 / Rhode Island

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 3438 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 20.12.2006

Proj4 definition:
```
+proj=tmerc +lat_0=41.08333333333334 +lon_0=-71.5 +k=0.99999375
+x_0=100000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs
```

EPSG 32133, NAD83 / South Carolina

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in International feet (note: not US survey feet). See code 2273 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 19.01.2007

Proj4 definition:
```
+proj=lcc +lat_1=34.83333333333334 +lat_2=32.5
+lat_0=31.83333333333333 +lon_0=-81 +x_0=609600 +y_0=0 +ellps=GRS80
+datum=NAD83 +units=m +no_defs
```

EPSG 32134, NAD83 / South Dakota North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 4457 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 05.09.2009

Proj4 definition:
```
+proj=lcc +lat_1=45.68333333333333 +lat_2=44.41666666666666
+lat_0=43.83333333333334 +lon_0=-100 +x_0=600000 +y_0=0
+ellps=GRS80 +datum=NAD83 +units=m +no_defs
```

EPSG 32135, NAD83 / South Dakota South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 3455 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 19.01.2007

Proj4 definition:
```
+proj=lcc +lat_1=44.4 +lat_2=42.83333333333334
+lat_0=42.33333333333334 +lon_0=-100.3333333333333 +x_0=600000
+y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs
```

EPSG 32136, NAD83 / Tennessee

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2274 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 07.03.2000

Proj4 definition:
```
+proj=lcc +lat_1=36.41666666666666 +lat_2=35.25
+lat_0=34.33333333333334 +lon_0=-86 +x_0=600000 +y_0=0 +ellps=GRS80
+datum=NAD83 +units=m +no_defs
```

EPSG 32137, NAD83 / Texas North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2275 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 02.06.1995

Proj4 definition:
```
+proj=lcc +lat_1=36.18333333333333 +lat_2=34.65 +lat_0=34 +lon_0=-
101.5 +x_0=200000 +y_0=1000000 +ellps=GRS80 +datum=NAD83 +units=m
+no_defs
```

EPSG 32138, NAD83 / Texas North Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2276 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=lcc +lat_1=33.96666666666667 +lat_2=32.13333333333333 +lat_0=31.66666666666667 +lon_0=-98.5 +x_0=600000 +y_0=2000000 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 32139, NAD83 / Texas Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2277 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=lcc +lat_1=31.88333333333333 +lat_2=30.11666666666667 +lat_0=29.66666666666667 +lon_0=-100.3333333333333 +x_0=700000 +y_0=3000000 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 32140, NAD83 / Texas South Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2278 for equivalent non-metric definition. For onshore applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 14.07.2006

Proj4 definition: `+proj=lcc +lat_1=30.28333333333333 +lat_2=28.38333333333333 +lat_0=27.83333333333333 +lon_0=-99 +x_0=600000 +y_0=4000000 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 32141, NAD83 / Texas South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2279 for equivalent non-metric definition. For onshore applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 14.07.2006

Proj4 definition: `+proj=lcc +lat_1=27.83333333333333 +lat_2=26.16666666666667 +lat_0=25.66666666666667 +lon_0=-98.5 +x_0=300000 +y_0=5000000 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 32142, NAD83 / Utah North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS. by NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 20.01.2007

Proj4 definition: `+proj=lcc +lat_1=41.78333333333333 +lat_2=40.71666666666667 +lat_0=40.33333333333334 +lon_0=-111.5 +x_0=500000 +y_0=1000000 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 32143, NAD83 / Utah Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: For applications with an accuracy of better than 3 feet, replaced by

NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 20.01.2007

Proj4 definition:
```
+proj=lcc +lat_1=40.65 +lat_2=39.01666666666667
+lat_0=38.33333333333334 +lon_0=-111.5 +x_0=500000 +y_0=2000000
+ellps=GRS80 +datum=NAD83 +units=m +no_defs
```

EPSG 32144, NAD83 / Utah South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

Source: U.S. National Geodetic Survey, http://www.ngs.noaa.gov/

Revision: 20.01.2007

Proj4 definition:
```
+proj=lcc +lat_1=38.35 +lat_2=37.21666666666667
+lat_0=36.66666666666666 +lon_0=-111.5 +x_0=500000 +y_0=3000000
+ellps=GRS80 +datum=NAD83 +units=m +no_defs
```

EPSG 32145, NAD83 / Vermont

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 5646 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source: National Geodetic Survey.

Revision: 05.01.2012

Proj4 definition:
```
+proj=tmerc +lat_0=42.5 +lon_0=-72.5 +k=0.999964286 +x_0=500000
+y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs
```

EPSG 32146, NAD83 / Virginia North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2283 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 02.06.1995

Proj4 definition:
```
+proj=lcc +lat_1=39.2 +lat_2=38.03333333333333
+lat_0=37.66666666666666 +lon_0=-78.5 +x_0=3500000 +y_0=2000000
+ellps=GRS80 +datum=NAD83 +units=m +no_defs
```

EPSG 32147, NAD83 / Virginia South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2284 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 02.06.1995

Proj4 definition:
```
+proj=lcc +lat_1=37.96666666666667 +lat_2=36.76666666666667
+lat_0=36.33333333333334 +lon_0=-78.5 +x_0=3500000 +y_0=1000000
+ellps=GRS80 +datum=NAD83 +units=m +no_defs
```

EPSG 32148, NAD83 / Washington North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2285 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 02.06.1995

Proj4 definition:
```
+proj=lcc +lat_1=48.73333333333333 +lat_2=47.5 +lat_0=47 +lon_0=-120.8333333333333 +x_0=500000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs
```

EPSG 32149, NAD83 / Washington South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2286 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 02.06.1995

Proj4 definition:
```
+proj=lcc +lat_1=47.33333333333334 +lat_2=45.83333333333334 +lat_0=45.33333333333334 +lon_0=-120.5 +x_0=500000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs
```

EPSG 32150, NAD83 / West Virginia North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See CRS code 26853 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 23.06.2008

Proj4 definition:
```
+proj=lcc +lat_1=40.25 +lat_2=39 +lat_0=38.5 +lon_0=-79.5 +x_0=600000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs
```

EPSG 32151, NAD83 / West Virginia South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See CRS code 26854 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 23.06.2008

Proj4 definition:
```
+proj=lcc +lat_1=38.88333333333333 +lat_2=37.48333333333333 +lat_0=37 +lon_0=-81 +x_0=600000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs
```

EPSG 32152, NAD83 / Wisconsin North

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2287 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=lcc +lat_1=46.76666666666667 +lat_2=45.56666666666667 +lat_0=45.16666666666666 +lon_0=-90 +x_0=600000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 32153, NAD83 / Wisconsin Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2288 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=lcc +lat_1=45.5 +lat_2=44.25 +lat_0=43.83333333333334 +lon_0=-90 +x_0=600000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 32154, NAD83 / Wisconsin South

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 2289 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=lcc +lat_1=44.06666666666667 +lat_2=42.73333333333333 +lat_0=42 +lon_0=-90 +x_0=600000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 32155, NAD83 / Wyoming East

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 3736 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 13.03.2007

Proj4 definition: `+proj=tmerc +lat_0=40.5 +lon_0=-105.1666666666667 +k=0.9999375 +x_0=200000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 32156, NAD83 / Wyoming East Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 3737 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 13.03.2007

Proj4 definition: `+proj=tmerc +lat_0=40.5 +lon_0=-107.3333333333333 +k=0.9999375 +x_0=400000 +y_0=100000 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 32157, NAD83 / Wyoming West Central

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 3738 for equivalent

non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 13.03.2007

Proj4 definition: `+proj=tmerc +lat_0=40.5 +lon_0=-108.75 +k=0.9999375 +x_0=600000 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 32158, NAD83 / Wyoming West

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: State law defines system in US survey feet. See code 3739 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 13.03.2007

Proj4 definition: `+proj=tmerc +lat_0=40.5 +lon_0=-110.0833333333333 +k=0.9999375 +x_0=800000 +y_0=100000 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 32161, NAD83 / Puerto Rico & Virgin Is.

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=lcc +lat_1=18.43333333333333 +lat_2=18.03333333333333 +lat_0=17.83333333333333 +lon_0=-66.43333333333334 +x_0=200000 +y_0=200000 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 32164, NAD83 / BLM 14N (ftUS)

Scope: No official usage.

Remarks: See NAD27 / BLM 14N (feet) (code 32064) and NAD83 / UTM zone 14N (code 26914) for systems used in US Gulf of Mexico oil operations.

Source: OGP

Revision: 05.03.2010

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-99 +k=0.9996 +x_0=500000.001016002 +y_0=0 +ellps=GRS80 +datum=NAD83 +to_meter=0.3048006096012192 +no_defs`

EPSG 32165, NAD83 / BLM 15N (ftUS)

Scope: No official usage.

Remarks: See NAD27 / BLM 15N (feet) (code 32065) and NAD83 / UTM zone 15N (code 26915) for systems used in US Gulf of Mexico oil operations.

Source: OGP

Revision: 05.03.2010

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-93 +k=0.9996 +x_0=500000.001016002 +y_0=0 +ellps=GRS80 +datum=NAD83 +to_meter=0.3048006096012192 +no_defs`

EPSG 32166, NAD83 / BLM 16N (ftUS)

Scope: No official usage.

Remarks: See NAD27 / BLM 16N (feet) (code 32066) and NAD83 / UTM zone 16N (code 26916) for systems used in US Gulf of Mexico oil operations.

Source: OGP

Revision: 05.03.2010

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=-87 +k=0.9996 +x_0=500000.001016002
+y_0=0 +ellps=GRS80 +datum=NAD83 +to_meter=0.3048006096012192
+no_defs
```

EPSG 32167, NAD83 / BLM 17N (ftUS)

Scope: No official usage.

Remarks: See NAD27 / BLM 17N (feet) (code 32067) and NAD83 / UTM zone 17N (code 26917) for systems used in US Gulf of Mexico oil operations.

Source: OGP

Revision: 05.03.2010

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=-81 +k=0.9996 +x_0=500000.001016002
+y_0=0 +ellps=GRS80 +datum=NAD83 +to_meter=0.3048006096012192
+no_defs
```

EPSG 32181, NAD83 / MTM zone 1

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: Geodetic Surveys Section; Newfoundland Department of Government Services and Lands.

Revision: 13.11.1997

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=-53 +k=0.9999 +x_0=304800 +y_0=0
+ellps=GRS80 +datum=NAD83 +units=m +no_defs
```

EPSG 32182, NAD83 / MTM zone 2

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: Geodetic Surveys Section; Newfoundland Department of Government Services and Lands.

Revision: 13.11.1997

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=-56 +k=0.9999 +x_0=304800 +y_0=0
+ellps=GRS80 +datum=NAD83 +units=m +no_defs
```

EPSG 32183, NAD83 / MTM zone 3

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Known in Quebec as "NAD83 / SCoPQ zone 3" with axis 1 and 2 abbreviations of "X" and "Y" respectively.

Source: Topographic Mapping Section; Quebec Ministry of Natural Resources. Also Geodetic Surveys Section; Newfoundland Department of Government Services and Lands.

Revision: 30.06.2011

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=-58.5 +k=0.9999 +x_0=304800 +y_0=0
+ellps=GRS80 +datum=NAD83 +units=m +no_defs
```

EPSG 32184, NAD83 / MTM zone 4

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Known in Quebec as "NAD83 / SCoPQ zone 4" with axis 1 and 2 abbreviations of "X" and "Y" respectively.

Source: Topographic Mapping Section; Quebec Ministry of Natural Resources. Also Geodetic Surveys Section; Newfoundland Department of Government Services and Lands.

Revision: 30.06.2011

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=-61.5 +k=0.9999 +x_0=304800 +y_0=0
+ellps=GRS80 +datum=NAD83 +units=m +no_defs
```

EPSG 32185, NAD83 / MTM zone 5

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Known in Quebec as "NAD83 / SCoPQ zone 5" with axis 1 and 2 abbreviations of "X" and "Y" respectively.

Source: Topographic Mapping Section; Quebec Ministry of Natural Resources. Also Geodetic Surveys Section; Newfoundland Department of Government Services and Lands.

Revision: 30.06.2011

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=-64.5 +k=0.9999 +x_0=304800 +y_0=0
+ellps=GRS80 +datum=NAD83 +units=m +no_defs
```

EPSG 32186, NAD83 / MTM zone 6

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Known in Quebec as "NAD83 / SCoPQ zone 6" with axis 1 and 2 abbreviations of "X" and "Y" respectively.

Source: Topographic Mapping Section; Quebec Ministry of Natural Resources. Also Geodetic Surveys Section; Newfoundland Department of Government Services and Lands.

Revision: 30.06.2011

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=-67.5 +k=0.9999 +x_0=304800 +y_0=0
+ellps=GRS80 +datum=NAD83 +units=m +no_defs
```

EPSG 32187, NAD83 / MTM zone 7

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Known in Quebec as "NAD83 / SCoPQ zone 7" with axis 1 and 2 abbreviations of "X" and "Y" respectively.

Source: Topographic Mapping Section; Quebec Ministry of Natural Resources.

Revision: 30.06.2011

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=-70.5 +k=0.9999 +x_0=304800 +y_0=0
+ellps=GRS80 +datum=NAD83 +units=m +no_defs
```

EPSG 32188, NAD83 / MTM zone 8

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Known in Quebec as "NAD83 / SCoPQ zone 8" with axis 1 and 2 abbreviations of "X" and "Y" respectively.

Source: Surveys and Mapping Section; Ontario Ministry of Transportation.

Revision: 30.06.2011

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-73.5 +k=0.9999 +x_0=304800 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 32189, NAD83 / MTM zone 9

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Known in Quebec as "NAD83 / SCoPQ zone 9" with axis 1 and 2 abbreviations of "X" and "Y" respectively.

Source: Surveys and Mapping Section; Ontario Ministry of Transportation.

Revision: 30.06.2011

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-76.5 +k=0.9999 +x_0=304800 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 32190, NAD83 / MTM zone 10

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Known in Quebec as "NAD83 / SCoPQ zone 10" with axis 1 and 2 abbreviations of "X" and "Y" respectively.

Source: Surveys and Mapping Section; Ontario Ministry of Transportation.

Revision: 30.06.2011

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-79.5 +k=0.9999 +x_0=304800 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 32191, NAD83 / MTM zone 11

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: Surveys and Mapping Section; Ontario Ministry of Transportation.

Revision: 13.11.1997

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-82.5 +k=0.9999 +x_0=304800 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 32192, NAD83 / MTM zone 12

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: Surveys and Mapping Section; Ontario Ministry of Transportation.

Revision: 13.11.1997

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-81 +k=0.9999 +x_0=304800 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 32193, NAD83 / MTM zone 13

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: Surveys and Mapping Section; Ontario Ministry of Transportation.

Revision: 13.11.1997

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-84 +k=0.9999 +x_0=304800 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 32194, NAD83 / MTM zone 14

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: Surveys and Mapping Section; Ontario Ministry of Transportation.

Revision: 13.11.1997

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-87 +k=0.9999 +x_0=304800 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 32195, NAD83 / MTM zone 15

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: Surveys and Mapping Section; Ontario Ministry of Transportation.

Revision: 13.11.1997

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-90 +k=0.9999 +x_0=304800 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 32196, NAD83 / MTM zone 16

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: Surveys and Mapping Section; Ontario Ministry of Transportation.

Revision: 13.11.1997

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-93 +k=0.9999 +x_0=304800 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 32197, NAD83 / MTM zone 17

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: Surveys and Mapping Section; Ontario Ministry of Transportation.

Revision: 13.11.1997

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=-96 +k=0.9999 +x_0=304800 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 32198, NAD83 / Quebec Lambert

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source: Service de la Cartographie; Ministère des Ressources Naturelles; Quebec

Revision: 20.10.1999

Proj4 definition: `+proj=lcc +lat_1=60 +lat_2=46 +lat_0=44 +lon_0=-68.5 +x_0=0 +y_0=0 +ellps=GRS80 +datum=NAD83 +units=m +no_defs`

EPSG 32199, NAD83 / Louisiana Offshore

Scope: Not used in oil industry. Usage for other applications is not known.

Remarks: This system is NOT used for oil industry purposes. State law defines system in US survey feet. See code 3453 for equivalent non-metric definition.

Source: OGP

Revision: 19.01.2007

Proj4 definition: `+proj=lcc +lat_1=27.83333333333333 +lat_2=26.16666666666667 +lat_0=25.5 +lon_0=-91.33333333333333 +x_0=1000000 +y_0=0`

```
+ellps=GRS80 +datum=NAD83 +units=m +no_defs
```

EPSG 32201, WGS 72 / UTM zone 1N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=1 +ellps=WGS72 +units=m +no_defs`

EPSG 32202, WGS 72 / UTM zone 2N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=2 +ellps=WGS72 +units=m +no_defs`

EPSG 32203, WGS 72 / UTM zone 3N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=3 +ellps=WGS72 +units=m +no_defs`

EPSG 32204, WGS 72 / UTM zone 4N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=4 +ellps=WGS72 +units=m +no_defs`

EPSG 32205, WGS 72 / UTM zone 5N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=5 +ellps=WGS72 +units=m +no_defs`

EPSG 32206, WGS 72 / UTM zone 6N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=6 +ellps=WGS72 +units=m +no_defs`

EPSG 32207, WGS 72 / UTM zone 7N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=7 +ellps=WGS72 +units=m +no_defs

EPSG 32208, WGS 72 / UTM zone 8N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=8 +ellps=WGS72 +units=m +no_defs

EPSG 32209, WGS 72 / UTM zone 9N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=9 +ellps=WGS72 +units=m +no_defs

EPSG 32210, WGS 72 / UTM zone 10N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=10 +ellps=WGS72 +units=m +no_defs

EPSG 32211, WGS 72 / UTM zone 11N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=11 +ellps=WGS72 +units=m +no_defs

EPSG 32212, WGS 72 / UTM zone 12N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=12 +ellps=WGS72 +units=m +no_defs

EPSG 32213, WGS 72 / UTM zone 13N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=13 +ellps=WGS72 +units=m +no_defs

EPSG 32214, WGS 72 / UTM zone 14N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=14 +ellps=WGS72 +units=m +no_defs`

EPSG 32215, WGS 72 / UTM zone 15N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=15 +ellps=WGS72 +units=m +no_defs`

EPSG 32216, WGS 72 / UTM zone 16N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=16 +ellps=WGS72 +units=m +no_defs`

EPSG 32217, WGS 72 / UTM zone 17N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=17 +ellps=WGS72 +units=m +no_defs`

EPSG 32218, WGS 72 / UTM zone 18N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=18 +ellps=WGS72 +units=m +no_defs`

EPSG 32219, WGS 72 / UTM zone 19N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=19 +ellps=WGS72 +units=m +no_defs`

EPSG 32220, WGS 72 / UTM zone 20N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:

Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=20 +ellps=WGS72 +units=m +no_defs

EPSG 32221, WGS 72 / UTM zone 21N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=21 +ellps=WGS72 +units=m +no_defs

EPSG 32222, WGS 72 / UTM zone 22N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=22 +ellps=WGS72 +units=m +no_defs

EPSG 32223, WGS 72 / UTM zone 23N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=23 +ellps=WGS72 +units=m +no_defs

EPSG 32224, WGS 72 / UTM zone 24N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=24 +ellps=WGS72 +units=m +no_defs

EPSG 32225, WGS 72 / UTM zone 25N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=25 +ellps=WGS72 +units=m +no_defs

EPSG 32226, WGS 72 / UTM zone 26N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=26 +ellps=WGS72 +units=m +no_defs

EPSG 32227, WGS 72 / UTM zone 27N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=27 +ellps=WGS72 +units=m +no_defs`

EPSG 32228, WGS 72 / UTM zone 28N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=28 +ellps=WGS72 +units=m +no_defs`

EPSG 32229, WGS 72 / UTM zone 29N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=29 +ellps=WGS72 +units=m +no_defs`

EPSG 32230, WGS 72 / UTM zone 30N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=30 +ellps=WGS72 +units=m +no_defs`

EPSG 32231, WGS 72 / UTM zone 31N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=31 +ellps=WGS72 +units=m +no_defs`

EPSG 32232, WGS 72 / UTM zone 32N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=32 +ellps=WGS72 +units=m +no_defs`

EPSG 32233, WGS 72 / UTM zone 33N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:

Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=33 +ellps=WGS72 +units=m +no_defs

EPSG 32234, WGS 72 / UTM zone 34N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=34 +ellps=WGS72 +units=m +no_defs

EPSG 32235, WGS 72 / UTM zone 35N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=35 +ellps=WGS72 +units=m +no_defs

EPSG 32236, WGS 72 / UTM zone 36N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=36 +ellps=WGS72 +units=m +no_defs

EPSG 32237, WGS 72 / UTM zone 37N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=37 +ellps=WGS72 +units=m +no_defs

EPSG 32238, WGS 72 / UTM zone 38N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=38 +ellps=WGS72 +units=m +no_defs

EPSG 32239, WGS 72 / UTM zone 39N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=39 +ellps=WGS72 +units=m +no_defs

EPSG 32240, WGS 72 / UTM zone 40N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=40 +ellps=WGS72 +units=m +no_defs`

EPSG 32241, WGS 72 / UTM zone 41N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=41 +ellps=WGS72 +units=m +no_defs`

EPSG 32242, WGS 72 / UTM zone 42N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=42 +ellps=WGS72 +units=m +no_defs`

EPSG 32243, WGS 72 / UTM zone 43N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=43 +ellps=WGS72 +units=m +no_defs`

EPSG 32244, WGS 72 / UTM zone 44N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=44 +ellps=WGS72 +units=m +no_defs`

EPSG 32245, WGS 72 / UTM zone 45N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=45 +ellps=WGS72 +units=m +no_defs`

EPSG 32246, WGS 72 / UTM zone 46N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:

Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=46 +ellps=WGS72 +units=m +no_defs

EPSG 32247, WGS 72 / UTM zone 47N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=47 +ellps=WGS72 +units=m +no_defs

EPSG 32248, WGS 72 / UTM zone 48N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=48 +ellps=WGS72 +units=m +no_defs

EPSG 32249, WGS 72 / UTM zone 49N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=49 +ellps=WGS72 +units=m +no_defs

EPSG 32250, WGS 72 / UTM zone 50N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=50 +ellps=WGS72 +units=m +no_defs

EPSG 32251, WGS 72 / UTM zone 51N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=51 +ellps=WGS72 +units=m +no_defs

EPSG 32252, WGS 72 / UTM zone 52N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=52 +ellps=WGS72 +units=m +no_defs

EPSG 32253, WGS 72 / UTM zone 53N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=53 +ellps=WGS72 +units=m +no_defs`

EPSG 32254, WGS 72 / UTM zone 54N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=54 +ellps=WGS72 +units=m +no_defs`

EPSG 32255, WGS 72 / UTM zone 55N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=55 +ellps=WGS72 +units=m +no_defs`

EPSG 32256, WGS 72 / UTM zone 56N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=56 +ellps=WGS72 +units=m +no_defs`

EPSG 32257, WGS 72 / UTM zone 57N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=57 +ellps=WGS72 +units=m +no_defs`

EPSG 32258, WGS 72 / UTM zone 58N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=58 +ellps=WGS72 +units=m +no_defs`

EPSG 32259, WGS 72 / UTM zone 59N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:

Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=59 +ellps=WGS72 +units=m +no_defs

EPSG 32260, WGS 72 / UTM zone 60N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=60 +ellps=WGS72 +units=m +no_defs

EPSG 32301, WGS 72 / UTM zone 1S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=1 +south +ellps=WGS72 +units=m +no_defs

EPSG 32302, WGS 72 / UTM zone 2S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=2 +south +ellps=WGS72 +units=m +no_defs

EPSG 32303, WGS 72 / UTM zone 3S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=3 +south +ellps=WGS72 +units=m +no_defs

EPSG 32304, WGS 72 / UTM zone 4S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=4 +south +ellps=WGS72 +units=m +no_defs

EPSG 32305, WGS 72 / UTM zone 5S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=5 +south +ellps=WGS72 +units=m +no_defs

EPSG 32306, WGS 72 / UTM zone 6S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=6 +south +ellps=WGS72 +units=m +no_defs

EPSG 32307, WGS 72 / UTM zone 7S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=7 +south +ellps=WGS72 +units=m +no_defs

EPSG 32308, WGS 72 / UTM zone 8S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=8 +south +ellps=WGS72 +units=m +no_defs

EPSG 32309, WGS 72 / UTM zone 9S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=9 +south +ellps=WGS72 +units=m +no_defs

EPSG 32310, WGS 72 / UTM zone 10S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=10 +south +ellps=WGS72 +units=m +no_defs

EPSG 32311, WGS 72 / UTM zone 11S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=11 +south +ellps=WGS72 +units=m +no_defs

EPSG 32312, WGS 72 / UTM zone 12S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:

Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=12 +south +ellps=WGS72 +units=m +no_defs

EPSG 32313, WGS 72 / UTM zone 13S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=13 +south +ellps=WGS72 +units=m +no_defs

EPSG 32314, WGS 72 / UTM zone 14S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=14 +south +ellps=WGS72 +units=m +no_defs

EPSG 32315, WGS 72 / UTM zone 15S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=15 +south +ellps=WGS72 +units=m +no_defs

EPSG 32316, WGS 72 / UTM zone 16S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=16 +south +ellps=WGS72 +units=m +no_defs

EPSG 32317, WGS 72 / UTM zone 17S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=17 +south +ellps=WGS72 +units=m +no_defs

EPSG 32318, WGS 72 / UTM zone 18S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=18 +south +ellps=WGS72 +units=m +no_defs

EPSG 32319, WGS 72 / UTM zone 19S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=19 +south +ellps=WGS72 +units=m +no_defs`

EPSG 32320, WGS 72 / UTM zone 20S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=20 +south +ellps=WGS72 +units=m +no_defs`

EPSG 32321, WGS 72 / UTM zone 21S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=21 +south +ellps=WGS72 +units=m +no_defs`

EPSG 32322, WGS 72 / UTM zone 22S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=22 +south +ellps=WGS72 +units=m +no_defs`

EPSG 32323, WGS 72 / UTM zone 23S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=23 +south +ellps=WGS72 +units=m +no_defs`

EPSG 32324, WGS 72 / UTM zone 24S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=24 +south +ellps=WGS72 +units=m +no_defs`

EPSG 32325, WGS 72 / UTM zone 25S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:

Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=25 +south +ellps=WGS72 +units=m +no_defs

EPSG 32326, WGS 72 / UTM zone 26S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=26 +south +ellps=WGS72 +units=m +no_defs

EPSG 32327, WGS 72 / UTM zone 27S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=27 +south +ellps=WGS72 +units=m +no_defs

EPSG 32328, WGS 72 / UTM zone 28S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=28 +south +ellps=WGS72 +units=m +no_defs

EPSG 32329, WGS 72 / UTM zone 29S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=29 +south +ellps=WGS72 +units=m +no_defs

EPSG 32330, WGS 72 / UTM zone 30S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=30 +south +ellps=WGS72 +units=m +no_defs

EPSG 32331, WGS 72 / UTM zone 31S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=31 +south +ellps=WGS72 +units=m +no_defs

EPSG 32332, WGS 72 / UTM zone 32S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=32 +south +ellps=WGS72 +units=m +no_defs`

EPSG 32333, WGS 72 / UTM zone 33S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=33 +south +ellps=WGS72 +units=m +no_defs`

EPSG 32334, WGS 72 / UTM zone 34S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=34 +south +ellps=WGS72 +units=m +no_defs`

EPSG 32335, WGS 72 / UTM zone 35S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=35 +south +ellps=WGS72 +units=m +no_defs`

EPSG 32336, WGS 72 / UTM zone 36S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=36 +south +ellps=WGS72 +units=m +no_defs`

EPSG 32337, WGS 72 / UTM zone 37S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=37 +south +ellps=WGS72 +units=m +no_defs`

EPSG 32338, WGS 72 / UTM zone 38S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:

Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=38 +south +ellps=WGS72 +units=m +no_defs

EPSG 32339, WGS 72 / UTM zone 39S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=39 +south +ellps=WGS72 +units=m +no_defs

EPSG 32340, WGS 72 / UTM zone 40S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=40 +south +ellps=WGS72 +units=m +no_defs

EPSG 32341, WGS 72 / UTM zone 41S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=41 +south +ellps=WGS72 +units=m +no_defs

EPSG 32342, WGS 72 / UTM zone 42S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=42 +south +ellps=WGS72 +units=m +no_defs

EPSG 32343, WGS 72 / UTM zone 43S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=43 +south +ellps=WGS72 +units=m +no_defs

EPSG 32344, WGS 72 / UTM zone 44S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=44 +south +ellps=WGS72 +units=m +no_defs

EPSG 32345, WGS 72 / UTM zone 45S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=45 +south +ellps=WGS72 +units=m +no_defs`

EPSG 32346, WGS 72 / UTM zone 46S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=46 +south +ellps=WGS72 +units=m +no_defs`

EPSG 32347, WGS 72 / UTM zone 47S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=47 +south +ellps=WGS72 +units=m +no_defs`

EPSG 32348, WGS 72 / UTM zone 48S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=48 +south +ellps=WGS72 +units=m +no_defs`

EPSG 32349, WGS 72 / UTM zone 49S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=49 +south +ellps=WGS72 +units=m +no_defs`

EPSG 32350, WGS 72 / UTM zone 50S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=50 +south +ellps=WGS72 +units=m +no_defs`

EPSG 32351, WGS 72 / UTM zone 51S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:

Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=51 +south +ellps=WGS72 +units=m +no_defs

EPSG 32352, WGS 72 / UTM zone 52S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=52 +south +ellps=WGS72 +units=m +no_defs

EPSG 32353, WGS 72 / UTM zone 53S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=53 +south +ellps=WGS72 +units=m +no_defs

EPSG 32354, WGS 72 / UTM zone 54S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=54 +south +ellps=WGS72 +units=m +no_defs

EPSG 32355, WGS 72 / UTM zone 55S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=55 +south +ellps=WGS72 +units=m +no_defs

EPSG 32356, WGS 72 / UTM zone 56S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=56 +south +ellps=WGS72 +units=m +no_defs

EPSG 32357, WGS 72 / UTM zone 57S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=57 +south +ellps=WGS72 +units=m +no_defs

EPSG 32358, WGS 72 / UTM zone 58S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=58 +south +ellps=WGS72 +units=m +no_defs`

EPSG 32359, WGS 72 / UTM zone 59S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=59 +south +ellps=WGS72 +units=m +no_defs`

EPSG 32360, WGS 72 / UTM zone 60S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=60 +south +ellps=WGS72 +units=m +no_defs`

EPSG 32401, WGS 72BE / UTM zone 1N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=1 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32402, WGS 72BE / UTM zone 2N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=2 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32403, WGS 72BE / UTM zone 3N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=3 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32404, WGS 72BE / UTM zone 4N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=4 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32405, WGS 72BE / UTM zone 5N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=5 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32406, WGS 72BE / UTM zone 6N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=6 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32407, WGS 72BE / UTM zone 7N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=7 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32408, WGS 72BE / UTM zone 8N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=8 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32409, WGS 72BE / UTM zone 9N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=9 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32410, WGS 72BE / UTM zone 10N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=10 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32411, WGS 72BE / UTM zone 11N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=11 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32412, WGS 72BE / UTM zone 12N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=12 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32413, WGS 72BE / UTM zone 13N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=13 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32414, WGS 72BE / UTM zone 14N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=14 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32415, WGS 72BE / UTM zone 15N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=15 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32416, WGS 72BE / UTM zone 16N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=16 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32417, WGS 72BE / UTM zone 17N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=17 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32418, WGS 72BE / UTM zone 18N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=18 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32419, WGS 72BE / UTM zone 19N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=19 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32420, WGS 72BE / UTM zone 20N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=20 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32421, WGS 72BE / UTM zone 21N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 `+proj=utm +zone=21 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

definition:

EPSG 32422, WGS 72BE / UTM zone 22N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=22 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32423, WGS 72BE / UTM zone 23N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=23 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32424, WGS 72BE / UTM zone 24N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=24 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32425, WGS 72BE / UTM zone 25N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=25 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32426, WGS 72BE / UTM zone 26N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=26 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32427, WGS 72BE / UTM zone 27N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=27 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32428, WGS 72BE / UTM zone 28N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=28 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32429, WGS 72BE / UTM zone 29N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=29 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32430, WGS 72BE / UTM zone 30N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=30 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32431, WGS 72BE / UTM zone 31N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=31 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32432, WGS 72BE / UTM zone 32N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=32 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32433, WGS 72BE / UTM zone 33N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks: Used by ExxonMobil for exploration and production activities.

Source:
Revision: 22.09.2006
Proj4 definition: `+proj=utm +zone=33 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32434, WGS 72BE / UTM zone 34N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: Used by ExxonMobil for exploration and production activities.
Source:
Revision: 22.09.2006
Proj4 definition: `+proj=utm +zone=34 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32435, WGS 72BE / UTM zone 35N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=35 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32436, WGS 72BE / UTM zone 36N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=36 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32437, WGS 72BE / UTM zone 37N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=37 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32438, WGS 72BE / UTM zone 38N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=38 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32439, WGS 72BE / UTM zone 39N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=39 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32440, WGS 72BE / UTM zone 40N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=40 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32441, WGS 72BE / UTM zone 41N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=41 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32442, WGS 72BE / UTM zone 42N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=42 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32443, WGS 72BE / UTM zone 43N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=43 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32444, WGS 72BE / UTM zone 44N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=44 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32445, WGS 72BE / UTM zone 45N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=45 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32446, WGS 72BE / UTM zone 46N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=46 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32447, WGS 72BE / UTM zone 47N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=47 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32448, WGS 72BE / UTM zone 48N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=48 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32449, WGS 72BE / UTM zone 49N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=49 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32450, WGS 72BE / UTM zone 50N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=50 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32451, WGS 72BE / UTM zone 51N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=51 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32452, WGS 72BE / UTM zone 52N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=52 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32453, WGS 72BE / UTM zone 53N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=53 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32454, WGS 72BE / UTM zone 54N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=54 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32455, WGS 72BE / UTM zone 55N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=55 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32456, WGS 72BE / UTM zone 56N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 `+proj=utm +zone=56 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

definition:

EPSG 32457, WGS 72BE / UTM zone 57N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=57 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32458, WGS 72BE / UTM zone 58N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=58 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32459, WGS 72BE / UTM zone 59N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=59 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32460, WGS 72BE / UTM zone 60N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=60 +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32501, WGS 72BE / UTM zone 1S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=1 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32502, WGS 72BE / UTM zone 2S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=2 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32503, WGS 72BE / UTM zone 3S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=3 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32504, WGS 72BE / UTM zone 4S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=4 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32505, WGS 72BE / UTM zone 5S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=5 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32506, WGS 72BE / UTM zone 6S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=6 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32507, WGS 72BE / UTM zone 7S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=7 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32508, WGS 72BE / UTM zone 8S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=8 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32509, WGS 72BE / UTM zone 9S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=9 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32510, WGS 72BE / UTM zone 10S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=10 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32511, WGS 72BE / UTM zone 11S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=11 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32512, WGS 72BE / UTM zone 12S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=12 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32513, WGS 72BE / UTM zone 13S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=13 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32514, WGS 72BE / UTM zone 14S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=14 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32515, WGS 72BE / UTM zone 15S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=15 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32516, WGS 72BE / UTM zone 16S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=16 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32517, WGS 72BE / UTM zone 17S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=17 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32518, WGS 72BE / UTM zone 18S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=18 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32519, WGS 72BE / UTM zone 19S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=19 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32520, WGS 72BE / UTM zone 20S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=20 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32521, WGS 72BE / UTM zone 21S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=21 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32522, WGS 72BE / UTM zone 22S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=22 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32523, WGS 72BE / UTM zone 23S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=23 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32524, WGS 72BE / UTM zone 24S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=24 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32525, WGS 72BE / UTM zone 25S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=25 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32526, WGS 72BE / UTM zone 26S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition:
```
+proj=utm +zone=26 +south +ellps=WGS72
+towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs
```

EPSG 32527, WGS 72BE / UTM zone 27S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition:
```
+proj=utm +zone=27 +south +ellps=WGS72
+towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs
```

EPSG 32528, WGS 72BE / UTM zone 28S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition:
```
+proj=utm +zone=28 +south +ellps=WGS72
+towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs
```

EPSG 32529, WGS 72BE / UTM zone 29S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition:
```
+proj=utm +zone=29 +south +ellps=WGS72
+towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs
```

EPSG 32530, WGS 72BE / UTM zone 30S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition:
```
+proj=utm +zone=30 +south +ellps=WGS72
+towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs
```

EPSG 32531, WGS 72BE / UTM zone 31S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4
```
+proj=utm +zone=31 +south +ellps=WGS72
+towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs
```

definition:

EPSG 32532, WGS 72BE / UTM zone 32S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=32 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32533, WGS 72BE / UTM zone 33S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=33 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32534, WGS 72BE / UTM zone 34S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=34 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32535, WGS 72BE / UTM zone 35S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=35 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32536, WGS 72BE / UTM zone 36S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=36 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32537, WGS 72BE / UTM zone 37S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=37 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32538, WGS 72BE / UTM zone 38S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=38 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32539, WGS 72BE / UTM zone 39S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=39 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32540, WGS 72BE / UTM zone 40S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=40 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32541, WGS 72BE / UTM zone 41S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=41 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32542, WGS 72BE / UTM zone 42S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=42 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32543, WGS 72BE / UTM zone 43S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=43 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32544, WGS 72BE / UTM zone 44S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=44 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32545, WGS 72BE / UTM zone 45S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=45 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32546, WGS 72BE / UTM zone 46S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=46 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32547, WGS 72BE / UTM zone 47S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=47 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32548, WGS 72BE / UTM zone 48S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=48 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32549, WGS 72BE / UTM zone 49S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=49 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32550, WGS 72BE / UTM zone 50S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=50 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32551, WGS 72BE / UTM zone 51S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=51 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32552, WGS 72BE / UTM zone 52S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=52 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32553, WGS 72BE / UTM zone 53S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=53 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32554, WGS 72BE / UTM zone 54S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=54 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32555, WGS 72BE / UTM zone 55S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=55 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32556, WGS 72BE / UTM zone 56S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=56 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32557, WGS 72BE / UTM zone 57S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=57 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32558, WGS 72BE / UTM zone 58S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=58 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32559, WGS 72BE / UTM zone 59S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=59 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32560, WGS 72BE / UTM zone 60S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=60 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32600, WGS 84 / UTM grid system (northern hemisphere)

Scope: For strict use within zone boundaries

Remarks: Use WGS 84 / UTM zone xx N (codes 32601-32660) for use outwith zone boundary or when easting is not prefixed by zone number.

Source: OGP

Revision: 05.06.2001

Proj4 definition: `+proj=utm +zone=60 +south +ellps=WGS72 +towgs84=0,0,1.9,0,0,0.814,-0.38 +units=m +no_defs`

EPSG 32601, WGS 84 / UTM zone 1N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=1 +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32602, WGS 84 / UTM zone 2N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=2 +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32603, WGS 84 / UTM zone 3N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=3 +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32604, WGS 84 / UTM zone 4N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=4 +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32605, WGS 84 / UTM zone 5N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=5 +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32606, WGS 84 / UTM zone 6N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=6 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32607, WGS 84 / UTM zone 7N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=7 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32608, WGS 84 / UTM zone 8N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=8 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32609, WGS 84 / UTM zone 9N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=9 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32610, WGS 84 / UTM zone 10N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=10 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32611, WGS 84 / UTM zone 11N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=11 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32612, WGS 84 / UTM zone 12N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995

Proj4 definition: +proj=utm +zone=12 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32613, WGS 84 / UTM zone 13N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=13 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32614, WGS 84 / UTM zone 14N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=14 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32615, WGS 84 / UTM zone 15N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=15 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32616, WGS 84 / UTM zone 16N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=16 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32617, WGS 84 / UTM zone 17N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=17 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32618, WGS 84 / UTM zone 18N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=18 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32619, WGS 84 / UTM zone 19N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=19 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32620, WGS 84 / UTM zone 20N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=20 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32621, WGS 84 / UTM zone 21N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=21 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32622, WGS 84 / UTM zone 22N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=22 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32623, WGS 84 / UTM zone 23N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=23 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32624, WGS 84 / UTM zone 24N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=24 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32625, WGS 84 / UTM zone 25N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995

Proj4 definition: +proj=utm +zone=25 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32626, WGS 84 / UTM zone 26N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=26 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32627, WGS 84 / UTM zone 27N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=27 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32628, WGS 84 / UTM zone 28N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=28 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32629, WGS 84 / UTM zone 29N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=29 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32630, WGS 84 / UTM zone 30N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=30 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32631, WGS 84 / UTM zone 31N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=31 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32632, WGS 84 / UTM zone 32N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=32 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32633, WGS 84 / UTM zone 33N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=33 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32634, WGS 84 / UTM zone 34N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=34 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32635, WGS 84 / UTM zone 35N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: In Moldova used with axes reversed - use CRS code 4037.
Source:
Revision: 02.06.2009
Proj4 definition: +proj=utm +zone=35 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32636, WGS 84 / UTM zone 36N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks: In Moldova used with axes reversed - use CRS code 4038.
Source:
Revision: 02.06.2009
Proj4 definition: +proj=utm +zone=36 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32637, WGS 84 / UTM zone 37N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=37 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32638, WGS 84 / UTM zone 38N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995

Proj4 definition: +proj=utm +zone=38 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32639, WGS 84 / UTM zone 39N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=39 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32640, WGS 84 / UTM zone 40N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=40 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32641, WGS 84 / UTM zone 41N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=41 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32642, WGS 84 / UTM zone 42N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=42 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32643, WGS 84 / UTM zone 43N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=43 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32644, WGS 84 / UTM zone 44N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=44 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32645, WGS 84 / UTM zone 45N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=45 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32646, WGS 84 / UTM zone 46N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 25.08.2006
Proj4 definition: +proj=utm +zone=46 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32647, WGS 84 / UTM zone 47N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 25.08.2006
Proj4 definition: +proj=utm +zone=47 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32648, WGS 84 / UTM zone 48N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 25.08.2006
Proj4 definition: +proj=utm +zone=48 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32649, WGS 84 / UTM zone 49N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 25.08.2006
Proj4 definition: +proj=utm +zone=49 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32650, WGS 84 / UTM zone 50N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 25.08.2006
Proj4 definition: +proj=utm +zone=50 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32651, WGS 84 / UTM zone 51N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 25.08.2006

Proj4 definition: +proj=utm +zone=51 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32652, WGS 84 / UTM zone 52N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 25.08.2006
Proj4 definition: +proj=utm +zone=52 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32653, WGS 84 / UTM zone 53N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=53 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32654, WGS 84 / UTM zone 54N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=54 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32655, WGS 84 / UTM zone 55N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=55 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32656, WGS 84 / UTM zone 56N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=56 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32657, WGS 84 / UTM zone 57N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=57 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32658, WGS 84 / UTM zone 58N

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=58 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32659, WGS 84 / UTM zone 59N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=59 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32660, WGS 84 / UTM zone 60N

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=60 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32661, WGS 84 / UPS North (N,E)

Scope: Military mapping.
Remarks: See CRS 5041 for a similar system used by NATO having axes and coordinates in the order Easting-Northing.
Source: DMA TR8358.2
Revision: 30.03.2010
Proj4 definition: +proj=stere +lat_0=90 +lat_ts=90 +lon_0=0 +k=0.994 +x_0=2000000 +y_0=2000000 +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32664, WGS 84 / BLM 14N (ftUS)

Scope: No official usage.
Remarks: See NAD27 / BLM 14N (feet) (code 32064) and WGS 84 / UTM zone 14N (code 32614) for systems used in US Gulf of Mexico oil operations.
Source: OGP
Revision: 22.06.2006
Proj4 definition: +proj=tmerc +lat_0=0 +lon_0=-99 +k=0.9996 +x_0=500000.001016002 +y_0=0 +ellps=WGS84 +datum=WGS84 +to_meter=0.3048006096012192 +no_defs

EPSG 32665, WGS 84 / BLM 15N (ftUS)

Scope: No official usage.
Remarks: See NAD27 / BLM 15N (feet) (code 32065) and WGS 84 / UTM zone 15N (code 32615) for systems used in US Gulf of Mexico oil operations.
Source: OGP
Revision: 22.06.2006
Proj4 definition: +proj=tmerc +lat_0=0 +lon_0=-93 +k=0.9996 +x_0=500000.001016002 +y_0=0 +ellps=WGS84 +datum=WGS84 +to_meter=0.3048006096012192 +no_defs

EPSG 32666, WGS 84 / BLM 16N (ftUS)

Scope: No official usage.

Remarks: See NAD27 / BLM 16N (feet) (code 32066) and WGS 84 / UTM zone 16N (code 32616) for systems used in US Gulf of Mexico oil operations.

Source: OGP

Revision: 22.06.2006

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=-87 +k=0.9996 +x_0=500000.001016002
+y_0=0 +ellps=WGS84 +datum=WGS84 +to_meter=0.3048006096012192
+no_defs
```

EPSG 32667, WGS 84 / BLM 17N (ftUS)

Scope: No official usage.

Remarks: See NAD27 / BLM 17N (feet) (code 32067) and WGS 84 / UTM zone 17N (code 32617) for systems used in US Gulf of Mexico oil operations.

Source: OGP

Revision: 22.06.2006

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=-81 +k=0.9996 +x_0=500000.001016002
+y_0=0 +ellps=WGS84 +datum=WGS84 +to_meter=0.3048006096012192
+no_defs
```

EPSG 32700, WGS 84 / UTM grid system (southern hemisphere)

Scope: For strict use within zone boundaries

Remarks: Use WGS 84 / UTM zone xx S (codes 32701-32760) for use outwith zone boundary or when easting is not prefixed by zone number.

Source: OGP

Revision: 05.06.2001

Proj4 definition:
```
+proj=tmerc +lat_0=0 +lon_0=-81 +k=0.9996 +x_0=500000.001016002
+y_0=0 +ellps=WGS84 +datum=WGS84 +to_meter=0.3048006096012192
+no_defs
```

EPSG 32701, WGS 84 / UTM zone 1S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition:
```
+proj=utm +zone=1 +south +ellps=WGS84 +datum=WGS84 +units=m
+no_defs
```

EPSG 32702, WGS 84 / UTM zone 2S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition:
```
+proj=utm +zone=2 +south +ellps=WGS84 +datum=WGS84 +units=m
+no_defs
```

EPSG 32703, WGS 84 / UTM zone 3S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=3 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32704, WGS 84 / UTM zone 4S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=4 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32705, WGS 84 / UTM zone 5S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=5 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32706, WGS 84 / UTM zone 6S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=6 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32707, WGS 84 / UTM zone 7S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=7 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32708, WGS 84 / UTM zone 8S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=8 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32709, WGS 84 / UTM zone 9S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=9 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32710, WGS 84 / UTM zone 10S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=10 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32711, WGS 84 / UTM zone 11S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=11 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32712, WGS 84 / UTM zone 12S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=12 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32713, WGS 84 / UTM zone 13S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=13 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32714, WGS 84 / UTM zone 14S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=14 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32715, WGS 84 / UTM zone 15S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=15 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32716, WGS 84 / UTM zone 16S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=16 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32717, WGS 84 / UTM zone 17S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=17 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32718, WGS 84 / UTM zone 18S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=18 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32719, WGS 84 / UTM zone 19S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=19 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32720, WGS 84 / UTM zone 20S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 `+proj=utm +zone=20 +south +ellps=WGS84 +datum=WGS84 +units=m`

definition: +no_defs

EPSG 32721, WGS 84 / UTM zone 21S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=21 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32722, WGS 84 / UTM zone 22S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=22 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32723, WGS 84 / UTM zone 23S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=23 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32724, WGS 84 / UTM zone 24S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=24 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32725, WGS 84 / UTM zone 25S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=25 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32726, WGS 84 / UTM zone 26S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=26 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32727, WGS 84 / UTM zone 27S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=27 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32728, WGS 84 / UTM zone 28S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=28 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32729, WGS 84 / UTM zone 29S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=29 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32730, WGS 84 / UTM zone 30S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=30 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32731, WGS 84 / UTM zone 31S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=31 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32732, WGS 84 / UTM zone 32S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=32 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32733, WGS 84 / UTM zone 33S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=33 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32734, WGS 84 / UTM zone 34S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=34 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32735, WGS 84 / UTM zone 35S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=35 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32736, WGS 84 / UTM zone 36S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=36 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32737, WGS 84 / UTM zone 37S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=37 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32738, WGS 84 / UTM zone 38S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=38 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32739, WGS 84 / UTM zone 39S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=39 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32740, WGS 84 / UTM zone 40S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=40 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32741, WGS 84 / UTM zone 41S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=41 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32742, WGS 84 / UTM zone 42S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=42 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32743, WGS 84 / UTM zone 43S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: `+proj=utm +zone=43 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32744, WGS 84 / UTM zone 44S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=44 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32745, WGS 84 / UTM zone 45S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=45 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32746, WGS 84 / UTM zone 46S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 02.06.1995

Proj4 definition: `+proj=utm +zone=46 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32747, WGS 84 / UTM zone 47S

Scope: Large and medium scale topographic mapping and engineering survey.Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 25.08.2006

Proj4 definition: `+proj=utm +zone=47 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32748, WGS 84 / UTM zone 48S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 25.08.2006

Proj4 definition: `+proj=utm +zone=48 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32749, WGS 84 / UTM zone 49S

Scope: Large and medium scale topographic mapping and engineering survey.

Remarks:

Source:

Revision: 25.08.2006

Proj4 definition: `+proj=utm +zone=49 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32750, WGS 84 / UTM zone 50S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 25.08.2006
Proj4 definition: `+proj=utm +zone=50 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32751, WGS 84 / UTM zone 51S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 25.08.2006
Proj4 definition: `+proj=utm +zone=51 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32752, WGS 84 / UTM zone 52S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 25.08.2006
Proj4 definition: `+proj=utm +zone=52 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32753, WGS 84 / UTM zone 53S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 25.08.2006
Proj4 definition: `+proj=utm +zone=53 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32754, WGS 84 / UTM zone 54S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 25.08.2006
Proj4 definition: `+proj=utm +zone=54 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32755, WGS 84 / UTM zone 55S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 `+proj=utm +zone=55 +south +ellps=WGS84 +datum=WGS84 +units=m`

definition: +no_defs

EPSG 32756, WGS 84 / UTM zone 56S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=56 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32757, WGS 84 / UTM zone 57S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=57 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32758, WGS 84 / UTM zone 58S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=58 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32759, WGS 84 / UTM zone 59S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=59 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32760, WGS 84 / UTM zone 60S

Scope: Large and medium scale topographic mapping and engineering survey.
Remarks:
Source:
Revision: 02.06.1995
Proj4 definition: +proj=utm +zone=60 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs

EPSG 32761, WGS 84 / UPS South (N,E)

Scope: Military mapping.
Remarks: See CRS 5042 for a similar system used by NATO having axes and coordinates in the order Easting-Northing.
Source: DMA TR8358.2

Revision: 30.03.2010

Proj4 definition: `+proj=stere +lat_0=-90 +lat_ts=-90 +lon_0=0 +k=0.994 +x_0=2000000 +y_0=2000000 +ellps=WGS84 +datum=WGS84 +units=m +no_defs`

EPSG 32766, WGS 84 / TM 36 SE

Scope: Used for oil exploration by BP Mozambique for Offshore Zambezi block oil exploration.

Remarks:

Source: BP Mozambique.

Revision: 11.11.1998

Proj4 definition: `+proj=tmerc +lat_0=0 +lon_0=36 +k=0.9996 +x_0=500000 +y_0=10000000 +ellps=WGS84 +datum=WGS84 +units=m +no_defs`