Coordinate systems and Reference systems supported by TRANSDATpro

Language / Sprache:
This list of coordinate and reference systems supported by TRANSDATpro is in English language. An actual list in **English** you find on KilletSoft's website
https://www.killetsoft.de/p_trdl_e.htm.

Diese Liste der von TRANSDATpro unterstützten Koordinaten- und Bezugssysteme ist in Englischer Sprache. Eine aktuelle Liste in **Deutsch** finden Sie auf der KilletSoft-Internetseite
https://www.killetsoft.de/p_trdl_d.htm.

Coordinate and Reference systems (datum shifts)
The list contains the coordinate systems and geodetic reference systems sorted on countries of the following continents and groups:
--- European continent
--- North American continent
--- Central America and Caribbean
--- South American continent
--- Asian continent
--- Near East and Middle East
--- African continent
--- Australian continent
--- Polynesia, Indonesia, Micronesia
--- Worldwide systems
--- User definitions

[Begin of List]

--- European continent --

  Albania (AL)
    Coordinate Systems
      Albania TM 2010 Transverse Mercator coordinates
      Albania LCC 2010 Lambert Conic Conformal coordinates
      UTM coordinates (northern hemisphere)
      Gauss-Krueger (6 degrees wide strips)
      Geographic coordinates (Greenwich) [deg]
      Geographic coordinates (Greenwich) [deg,min]
      Geographic coordinates (Greenwich) [deg,min,sec]
      Cartesian coordinates
    Reference Systems
      S42/58 (AL), Pulkovo, Krassowsky
      Pulkovo1942(58) (EU-E <±1m), Pulkovo, Krassowsky
      ALB86/2008 (AL), Pulkovo, Krassowsky
      ALB86/1998 (AL 7Param.), Pulkovo, Krassowsky
      ALB86/1998 (AL 3Param.), Pulkovo, Krassowsky
      ETRF2000/2008 (AL), geocentric, GRS80
      ETRF2000/1998 (AL), geocentric, GRS80
      ETRS89 (EU), geocentric, GRS80
      WGS84 (Worldwide GPS), geocentric, WGS84
      Source Reference System in an arbitrary NTv2 file
      Target Reference System in an arbitrary NTv2 file

  Austria (AT)

Coordinate Systems
  UTM coordinates (northern hemisphere)
  Austria Bundesmeldenetz M28 (X > 5 Mio.)
  Austria Bundesmeldenetz M31 (X > 5 Mio.)
  Austria Bundesmeldenetz M34 (X > 5 Mio.)
  Austria Bundesmeldenetz M28 (X < 5 Mio.)
  Austria Bundesmeldenetz M31 (X < 5 Mio.)
  Austria Bundesmeldenetz M34 (X < 5 Mio.)
  Austria Gauss-Krueger M28 (West, X < 5 Mio.)
  Austria Gauss-Krueger M31 (Central, X < 5 Mio.)
  Austria Gauss-Krueger M34 (East, X < 5 Mio.)
  Austria Gauss-Krueger M28 (West, X > 5 Mio.)
  Austria Gauss-Krueger M31 (Central, X > 5 Mio.)
  Austria Gauss-Krueger M34 (East, X > 5 Mio.)
  Austria Lambert (new system, 47.5°)
  Austria Lambert (old system, 48.0°)
  Geographic coordinates (Ferro) [deg]
  Geographic coordinates (Ferro) [deg,min,sec]
  Geographic coordinates (Greenwich) [deg]
  Geographic coordinates (Greenwich) [deg,min]
  Geographic coordinates (Greenwich) [deg,min,sec]
  Cartesian coordinates
Reference Systems
  MGI (AT NTv2 AT-GIS-GRID-2021 <±0.15m), Rauenberg, Bessel
  ETRS89 (AT NTv2 AT-GIS-GRID-2021 <±0.15m), geocentric, GRS80
  MGI (AT NTv2 AT-GIS-GRID-2014 <±0.35m), Rauenberg, Bessel
  ETRS89 (AT NTv2 AT-GIS-GRID-2014 <±0.35m), geocentric, GRS80
  ETRS89 (EU), geocentric, GRS80
  MGI (AT/CZ), Hermannskogel, Bessel
  WGS84 (Worldwide GPS), geocentric, WGS84
  WGS72 (Worldwide), geocentric, WGS72
  ED50 (EU), Potsdam, Hayford/Int.
  Source Reference System in an arbitrary NTv2 file
  Target Reference System in an arbitrary NTv2 file

Belgium (BE)
Coordinate Systems
  UTM coordinates (northern hemisphere)
  Belgian Lambert2008 coordinates
  Belgian Lambert2005 coordinates
  Belgian Lambert72 (2000) coordinates
  Belgian Lambert72 (1972) coordinates
  Belgian Lambert50 coordinates
  Belgian Bonne coordinates
  Geographic coordinates (Brussels) [deg]
  Geographic coordinates (Greenwich) [gon]
  Geographic coordinates (Greenwich) [deg]
  Geographic coordinates (Greenwich) [deg,min]
  Geographic coordinates (Greenwich) [deg,min,sec]
  Cartesian coordinates
Reference Systems
  BD72 (BE 2014 NTv2 bd72lb72...08), Uckel, Hayford/Int.
  ETRS89 (BE 2014 NTv2 bd72lb72...08), geocentric, GRS80
  ETRS89 (EU), geocentric, GRS80

BD72 (BE 2000 <±0.2m), Ukkel, Hayford/Int.
BD72 (BE 1972 <±1m), Ukkel, Hayford/Int.
BD50 (BE), Royal de Belgique, Hayford/Int.
Bonne (BE), Royal de Belgique, Hayford/Int.
WGS84 (Worldwide GPS), geocentric, WGS84
WGS72 (Worldwide), geocentric, WGS72
ED50 (EU), Potsdam, Hayford/Int.
NTF (FR), Paris Pantheon, Clarke IGN
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

Bosnia / Herzegovina (BA)
  Coordinate Systems
    Balkans MGI Zones 5-8 Gauss-Krueger coordinates
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    MGI 1901 (BA), Hermannskogel, Bessel
    MGI (SI/HR/BA), Hermannskogel, Bessel
    ETRS89 (EU), geocentric, GRS80
    WGS84 (Worldwide GPS), geocentric, WGS84
    PZ-90 Roßbach 2000 (Worldwide GLONASS), geoc., PZ-90
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

Bulgaria (BG)
  Coordinate Systems
    Bulgarian CCS2005 Lambert coordinates
    Bulgarian BGS2000 Lambert coordinates
    Gauss-Krueger (6 degrees wide strips)
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    BGS2005 (BG), geocentric, GRS80
    BGS2000 (BG), geocentric, GRS80
    S42/83 (BG), Pulkovo, Krassowsky
    Pulkovo1942(58) (EU-E <±1m), Pulkovo, Krassowsky
    ETRS89 (EU), geocentric, GRS80
    WGS84 (Worldwide GPS), geocentric, WGS84
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

Croatia (HR)
  Coordinate Systems
    Croatian HTRS96 Transverse Mercator coord.
    Croatian HDKS / HR1901 Gauss-Krueger coordinates
    UTM coordinates (northern hemisphere)
    Balkans MGI Zones 5-8 Gauss-Krueger coordinates

Geographic coordinates (Greenwich) [deg]
Geographic coordinates (Greenwich) [deg,min]
Geographic coordinates (Greenwich) [deg,min,sec]
Cartesian coordinates
Reference Systems
HTRS96 (HR <±1m), geocentric, GRS80
HDKS / HR1901G (HR <±1m), Hermannskogel, Bessel
ETRS89 (EU), geocentric, GRS80
MGI (SI/HR/BA), Hermannskogel, Bessel
WGS84 (Worldwide GPS), geocentric, WGS84
PZ-90 Roßbach 2000 (Worldwide GLONASS), geoc., PZ-90
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

Cyprus (CY)
  Coordinate Systems
    Cyprus Local Transverse Mercator coordinates
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    CGRS93 (CY), geocentric, WGS84
    ETRS89 (EU), geocentric, GRS80
    ED50 (CY), Potsdam, Hayford/Int.
    WGS84 (Worldwide GPS), geocentric, WGS84
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

Czechia (CZ)
  Coordinate Systems
    Krovak S-JTSK (Greenwich South/West positiv) coordinates
    Krovak S-JTSK (Greenwich East/Nord negativ) coordinates
    Krovak S-JTSK (Ferro South/West positiv) coordinates
    Krovak S-JTSK (Ferro East/Nord negativ) coordinates
    Gauss-Krueger coord. (3 degrees wide strips)
    Austria Bundesmeldenetz M31 (X < 5 Mio.)
    Austria Bundesmeldenetz M34 (X < 5 Mio.)
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Ferro) [deg]
    Geographic coordinates (Ferro) [deg,min,sec]
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    ETRS89 (EU), geocentric, GRS80
    S-JTSK (CZ), Hermannskogel, Bessel
    S42/83 (EU-E/AS[FSU] 1990 <±3m), Pulkovo, Krassowsky
    Pulkovo1942(58) (EU-E <±1m), Pulkovo, Krassowsky
    MGI (AT/CZ), Hermannskogel, Bessel
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72

ED50 (EU), Potsdam, Hayford/Int.
PZ-90 Roßbach 2000 (Worldwide GLONASS), geoc., PZ-90
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

Denmark (DK)
  Coordinate Systems
    UTM coordinates (northern hemisphere)
    Danish Transv. Merc. Kp2000 Jylland / Fyn (9.5°)
    Danish Transverse Merc. Kp2000 Sjaelland (12°)
    Danish Transverse Merc. Kp2000 Bornholm (15°)
    Danish Transv. Merc. DKTM1 Western Jylland (9°)
    Danish Transv. Merc. DKTM2 Eastern Jylland (10°)
    Danish Transv. Merc. DKTM3 Sjaelland (11.75°)
    Danish Transv. Merc. DKTM4 Bornholm (15°)
    Geographic coordinates (Kopenhagen) [deg]
    Geographic coordinates (Kopenhagen) [deg,min,sec]
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    ETRS89 (EU), geocentric, GRS80
    ED50 (DK), Potsdam, Hayford/Int.
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

Estonia (EE)
  Coordinate Systems
    UTM coordinates (northern hemisphere)
    Estonian Lambert Coordinates L-ESTxx
    Baltic Transverse Mercator coord. TM Baltic93
    Baltic CS63 zone C0 Transverse Mercator
    Baltic CS63 zone C1 Transverse Mercator
    Baltic CS63 zone C2 Transverse Mercator
    Gauss-Krueger (6 degrees wide strips)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    ETRS89 (EU), geocentric, GRS80
    EST97 (EE), geocentric, GRS80
    EST92 (EE), geocentric, GRS80
    S42 (EE), Pulkovo, Krassowsky
    S42/83 (EU-E/AS[FSU] 1990 <±3m), Pulkovo, Krassowsky
    WGS84 (Worldwide GPS), geocentric, WGS84
    PZ-90 Roßbach 2000 (Worldwide GLONASS), geoc., PZ-90
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

Faroe Islands (FO)

Coordinate Systems
  UTM coordinates (northern hemisphere)
  Faroe TM coordinates
  Faroe Lambert coordinates
  Faroe Lambert FK89 coordinates
  Geographic coordinates (Greenwich) [deg]
  Geographic coordinates (Greenwich) [deg,min]
  Geographic coordinates (Greenwich) [deg,min,sec]
  Cartesian coordinates
Reference Systems
  ETRS89 (EU), geocentric, GRS80
  WGS84 (Worldwide GPS), geocentric, WGS84
  FD54 (FO), Faroe Islands, Hayford/Int.
  FK89 (FO, ident. with FD54), Faroe Islands, Hayford/Int.
  ED50 (EU), Potsdam, Hayford/Int.
  Source Reference System in an arbitrary NTv2 file
  Target Reference System in an arbitrary NTv2 file

Finland (FI)
  Coordinate Systems
    Finish Transv. Mercator Coord. TM35FIN
    Finish Gauss-Krueger ETRS (1 degrees strips)
    Finish Gauss-Krueger KKJ (3 degrees strips)
    Finish Transv. Mercator Coord. KKJ Uniform
    Finish Transv. Mercator Coord. VVJ Uniform
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    ETRS89 (EU), geocentric, GRS80
    KKJ (FI 2002 <±1m), Helsinki, Hayford/Int.
    KKJ (FI 1992 <±5m), Helsinki, Hayford/Int.
    ED50 (FI), Potsdam, Hayford/Int.
    WGS84 (Worldwide GPS), geocentric, WGS84
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

France (FR)
  Coordinate Systems
    French Lambert CC42 (zone 1) coordinates
    French Lambert CC43 (zone 2) coordinates
    French Lambert CC44 (zone 3) coordinates
    French Lambert CC45 (zone 4) coordinates
    French Lambert CC46 (zone 5) coordinates
    French Lambert CC47 (zone 6) coordinates
    French Lambert CC48 (zone 7) coordinates
    French Lambert CC49 (zone 8) coordinates
    French Lambert CC50 (zone 9) coordinates
    French Lambert93 coordinates
    French Lambert Zone I coordinates
    French Lambert Zone II coordinates
    French Lambert Zone III Coordinates

French Lambert Zone IV Coordinates
French Lambert North coordinates
French Lambert Centre coordinates
French Lambert South coordinates
French Lambert Corse coordinates
French Lambert Centre Etendu coordinates
French Lambert (1SP) Nord de Guerre coordinates
French Lambert (2SP) Nord de Guerre coordinates
TM 6 NETransverse Mercator coordinates
Geographic coordinates (Paris) [gon]
Geographic coordinates (Paris) [deg,min,sec]
Geographic coordinates (Paris) [deg]
Geographic coordinates (Greenwich) [gon]
UTM coordinates (northern hemisphere)
Geographic coordinates (Greenwich) [deg]
Geographic coordinates (Greenwich) [deg,min]
Geographic coordinates (Greenwich) [deg,min,sec]
Cartesian coordinates
Reference Systems
NTF (FR NTv2 NTF_R93 <±0.2m), Paris, Clarke IGN
RGF93 (FR NTv2 NTF_R93 <±0.2m), geocentric, GRS80
NTF (FR NTv2 FRANCE <±0.5m), Paris, Clarke RGS
RGF93 (FR NTv2 FRANCE <±0.5m), geocentric, GRS80
RGF93 (FR), geocentric, GRS80
ETRS89 (EU), geocentric, GRS80
NTF (FR), Paris Pantheon, Clarke IGN
ATF (FR no_defs), Paris, Plessis 1817
ED50 (FR), Potsdam, Hayford/Int.
WGS84 (Worldwide GPS), geocentric, WGS84
WGS72 (Worldwide), geocentric, WGS72
ED50 (EU), Potsdam, Hayford/Int.
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

Germany (DE) - General
Coordinate Systems
UTM coordinates (northern hemisphere)
Gauss-Krueger coord. (3 degrees wide strips)
Gauss-Krueger (6 degrees wide strips)
German Lambert LAMGe coordinates
German Lambert mean coordinates
German Lambert zone west coordinates
German Lambert zone east coordinates
German Lambert Esri-ArcData coordinates
German Lambert LCC12 coordinates
Geographic coordinates (Greenwich) [deg]
Geographic coordinates (Greenwich) [deg,min]
Geographic coordinates (Greenwich) [deg,min,sec]
Cartesian coordinates
Reference Systems
ETRS89 (EU), geocentric, GRS80
DHDN/PD (DE 1995 <±5m), Rauenberg, Bessel
DHDN/PD (DE 2001 <±3m), Rauenberg, Bessel
DHDN/PD (DE Old States South <±1m), Rauenberg, Bessel

DHDN/PD (DE Old States Middle <±1m), Rauenberg, Bessel
DHDN/PD (DE Old States North <±1m), Rauenberg, Bessel
DHDN90 (DE 2007 <±3.0m), Rauenberg, Bessel
DHDN90 (DE NTv2 BeTA2007 <±0.5m), Rauenberg, Bessel
ETRS89 (DE NTv2 BeTA2007 <±0.5m), geocentric, GRS80
RD83 (DE New States <±1m), Rauenberg, Bessel
PD83 (DE New States [TH] <±1m), Rauenberg, Bessel
S40/83 (DE New States 1990 <±3m), Rauenberg, Bessel
S40/83 (DE New States 2004 <±0.5m), Rauenberg, Bessel
S42/83 (DE New States 1990 <±3m), Puklowo, Krassowsky
S42/83 (DE New States 2001 <±1m), Pulkovo, Krassowsky
Pulkovo1942(58) (EU-E <±1m), Pulkovo, Krassowsky
ED50 (EU), Potsdam, Hayford/Int.
WGS84 (Worldwide GPS), geocentric, WGS84
WGS72 (Worldwide), geocentric, WGS72
DB_REF(1) (DE Deutsche Bahn <±1m), Rauenberg, Bessel
DB_REF(2) (DE Deutsche Bahn <±1m), Rauenberg, Bessel
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

Germany (DE) - Federal States
 Coordinate Systems
  UTM coordinates (northern hemisphere)
  Gauss-Krueger coord. (3 degrees wide strips)
  Gauss-Krueger (6 degrees wide strips)
  German Soldner coord. Berlin (Mueggelberg new)
  German Soldner coord. Berlin (Mueggelberg old)
  German Soldner coordordinates Berlin (Goetzer Berg)
  German Soldner Bavaria (Munich, Y --> West)
  German Soldner Bavaria (Munich, Y --> East)
  German Soldner Baden (Mannheim[1], Y --> W, X --> S)
  German Soldner Baden (Mannheim[2], Y --> W, X --> S)
  Geographic coordinates (Greenwich) [deg]
  Geographic coordinates (Greenwich) [deg,min]
  Geographic coordinates (Greenwich) [deg,min,sec]
  Cartesian coordinates
 Reference Systems
  DHDN/Netz88 (DE-BE <±0.2m), Rauenberg, Bessel
  DHDN90 (DE-BE 2007 <±0.2m), Rauenberg, Bessel
  DHDN90 (DE-BE NTv2 Ntv2berlin <±2cm), Rauenberg, Bessel
  ETRS89 (DE-BE NTv2 Ntv2berlin <±2cm), geocentric, GRS80
  S40/83 (DE-BB <±0.2m), Rauenberg, Bessel
  S42/83 (DE-BB <±0.2m), Puklowo, Krassowsky
  DHDN90 (DE-BB 2007 <±0.4m), Rauenberg, Bessel
  S42/83 (DE-BB NTv2 NTv2-BB <±4cm), Pulkovo, Krassowsky
  ETRS89 (DE-BB NTv2 NTv2-BB <±4cm), geocentric, GRS80
  DHDN90 (DE-BW NTv2 BWTA2017 <±5cm), Rauenberg, Bessel
  ETRS89 (DE-BW NTv2 BWTA2017 <±5cm), geocentric, GRS80
  DHDN/PD (DE-BW <±0.5m), Rauenberg, Bessel
  DHDN90 (DE-BW 2007 <±0.4m), Rauenberg, Bessel
  DHDN90 (DE-BY 2014 NTv2 NTv2-Ba <±5cm), Rauenberg, Bessel
  ETRS89 (DE-BY 2014 NTv2 NTv2-Ba <±5cm), geocentric, GRS80
  DHDN90 (DE-BY 2019 NTv2 BY_KanU_Bwhl <±2cm), Rauenb., Bessel
  ETRS89 (DE-BY 2019 NTv2 BY_KanU_Bwhl <±2cm), geoc., GRS80

DHDN90 (DE-BY 2019 NTv2 BY_KanU_MFr <±2cm), Rauenb., Bessel
ETRS89 (DE-BY 2019 NTv2 BY_KanU_MFr <±2cm), geoc., GRS80
DHDN90 (DE-BY 2019 NTv2 BY_KanU_NBy <±2cm), Rauenb., Bessel
ETRS89 (DE-BY 2019 NTv2 BY_KanU_NBy <±2cm), geoc., GRS80
DHDN90 (DE-BY 2019 NTv2 BY_KanU_OBy <±2cm), Rauenb., Bessel
ETRS89 (DE-BY 2019 NTv2 BY_KanU_OBy <±2cm), geoc., GRS80
DHDN90 (DE-BY 2019 NTv2 BY_KanU_OFr <±2cm), Rauenb., Bessel
ETRS89 (DE-BY 2019 NTv2 BY_KanU_OFr <±2cm), geoc., GRS80
DHDN90 (DE-BY 2019 NTv2 BY_KanU_OPf <±2cm), Rauenb., Bessel
ETRS89 (DE-BY 2019 NTv2 BY_KanU_OPf <±2cm), geoc., GRS80
DHDN90 (DE-BY 2019 NTv2 BY_KanU_Schw <±2cm), Rauenb., Bessel
ETRS89 (DE-BY 2019 NTv2 BY_KanU_Schw <±2cm), geoc., GRS80
DHDN90 (DE-BY 2019 NTv2 BY_KanU_UFr <±2cm), Rauenb., Bessel
ETRS89 (DE-BY 2019 NTv2 BY_KanU_UFr <±2cm), geoc., GRS80
DHDN90 (DE-BY 2000 <±1.0m), Rauenberg, Bessel
DHDN90 (DE-BY 2007 <±0.7m), Rauenberg, Bessel
DHDN90 (DE-BY 2011 <±0.3m), Rauenberg, Bessel
SOLDNER (DE-BY <±1m), Munich, Laplace
DHDN90 (DE-HB 2007 <±0.1m), Rauenberg, Bessel
DHDN90 (DE-HB NTv2 HBTa2010 <±5cm), Rauenberg, Bessel
ETRS89 (DE-HB NTv2 HBTa2010 <±5cm), geocentric, GRS80
DHDN/PD (DE-HE to 6/03 <±0.1m), Rauenberg, Bessel
DHDN/PD (DE-HE 7/03-12/07 <±0.1m), Rauenberg, Bessel
DHDN/PD (DE-HE from 12/07 <±0.1m), Rauenberg, Bessel
DHDN90 (DE-HE 2007 <±0.4m), Rauenberg, Bessel
DHDN90 (DE-HE NTv2 HeTA2010 <±4cm), Rauenberg, Bessel
ETRS89 (DE-HE NTv2 HeTA2010 <±4cm), geocentric, GRS80
DHDN90 (DE-HH NTv2 Beta_FHH_NW <±5cm), Rauenberg, Bessel
ETRS89 (DE-HH NTv2 Beta_FHH_NW <±5cm), geocentric, GRS80
DHDN90 (DE-HH NTv2 NTv2-HH <±5cm), Rauenberg, Bessel
ETRS89 (DE-HH NTv2 NTv2-HH <±5cm), geocentric, GRS80
DHDN90 (DE-HH NTv2 NTv2-Neuwerk <±5cm), Rauenberg, Bessel
ETRS89 (DE-HH NTv2 NTv2-Neuwerk <±5cm), geocentric, GRS80
DHDN90 (DE-HH 2007 <±0.2m), Rauenberg, Bessel
DHDN90 (DE-MV 2007 <±0.9m), Rauenberg, Bessel
RD83 (DE-MV NTv2 MVTR2010 <±2cm), Rauenberg, Bessel
ETRS89 (DE-MV NTv2 MVTR2010 <±2cm), geocentric, GRS80
S42/83 (DE-MV NTv2 MVTRS4283 <±2cm), Pulkovo, Krassowsky
ETRS89 (DE-MV NTv2 MVTRS4283 <±2cm), geocentric, GRS80
DHDN/PD (DE-NI <±0.5m), Rauenberg, Bessel
DHDN90 (DE-NI 2007 <±0.7m), Rauenberg, Bessel
DHDN/Netz77 (DE-NW <±1m), Rauenberg, Bessel
DHDN90 (DE-NW 2007 <±0.6m), Rauenberg, Bessel
DHDN90 (DE-NW 2009 <±1m), Rauenberg, Bessel
DHDN (DE-NW NTv2 NW_GC1501), Rauenberg, Bessel
ETRS89 (DE-NW NTv2 NW_GC1501), geocentric, GRS80
DHDN90 (DE-RP 2007 <±0.2m), Rauenberg, Bessel
DHDN90 (DE-SH 2007 <±0.4m), Rauenberg, Bessel
DHDN (DE-SH NTv2 SH2016A), Rauenberg, Bessel
ETRS89 (DE-SH NTv2 SH2016A), geocentric, GRS80
DHDN90 (DE-SL 2007 <±0.1m), Rauenberg, Bessel
DHDN/Netz97 (DE-SL 2007 <±1m), Rauenberg, Bessel
DHDN/Netz97 (DE-SL 2016 <±1m), Rauenberg, Bessel
DHDN90 (DE-SL NTv2 SeTa2009 <±2cm), Rauenberg, Bessel

ETRS89 (DE-SL NTv2 SeTa2009 <±2cm), geocentric, GRS80
DHDN90 (DE-SL NTv2 SeTa2016 <±2cm), Rauenberg, Bessel
ETRS89 (DE-SL NTv2 SeTa2016 <±2cm), geocentric, GRS80
DHDN90 (DE-SN 2007 <±0.9m), Rauenberg, Bessel
RD83 (DE-SN West <±0.1m), Rauenberg, Bessel
RD83 (DE-SN East <±0.1m), Rauenberg, Bessel
RD83 (DE-SN NTv2 SaeTA2010 <±5cm), Rauenberg, Bessel
ETRS89 (DE-SN NTv2 SaeTA2010 <±5cm), geocentric, GRS80
RD83 (DE-SN NTv2 NTv2_SN <±3cm), Rauenberg, Bessel
ETRS89 (DE-SN NTv2 NTv2_SN <±3cm), geocentric, GRS80
DHDN90 (DE-ST 2007 <±0.5m), Rauenberg, Bessel
S42/83 (DE-ST NTv2 NTv2LSBB_LSA <±5cm), Pulkovo, Krassowsky
ETRS89 (DE-ST NTv2 NTv2LSBB_LSA <±5cm), geocentric, GRS80
PD83 (DE-TH <±0.2m), Rauenberg, Bessel
DHDN90 (DE-TH 2007 <±0.3m), Rauenberg, Bessel
PD83 (DE-TH NTv2 NTv2GridTh <±3cm), Rauenberg, Bessel
ETRS89 (DE-TH NTv2 NTv2GridTh <±3cm), geocentric, GRS80
DHDN90 (DE NTv2 BeTA2007 <±0.5m), Rauenberg, Bessel
ETRS89 (DE NTv2 BeTA2007 <±0.5m), geocentric, GRS80
DHDN/PD (DE 1995 <±5m), Rauenberg, Bessel
DHDN/PD (DE 2001 <±3m), Rauenberg, Bessel
S42/83 (DE New States 2001 <±1m), Pulkovo, Krassowsky
ETRS89 (EU), geocentric, GRS80
WGS84 (Worldwide GPS), geocentric, WGS84
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

Germany (DE) - Lagestatus
 Coordinate Systems
  Lagestatus 100, Gauss-Krueger 3 deg. str., DHDN
  Lagestatus 100, Country HE, GK 3 deg. str., DHDN
  Lagestatus 101, Gauss-Krueger 3 deg. str., DHDN
  Lagestatus 110, Gauss-Krueger 3 deg. str., RD83
  Lagestatus 111, Gauss-Krueger Strip 4 , RD83
  Lagestatus 112, Gauss-Krueger Strip 5, RD83
  Lagestatus 120, Gauss-Krueger 3 deg. str., PD83
  Lagestatus 121, Geogr. Coord. [deg], PD83
  Lagestatus 121, Geogr. Coord. [deg,min,sec], PD83
  Lagestatus 130, Gauss-Krueger 3 deg. str., S40/83
  Lagestatus 140, Gauss-Krueger 6 deg. str., S42/83
  Lagestatus 150, Gauss-Krueger 3 deg. str., S42/83
  Lagestatus 151, Geogr. Coord. [deg], S42/83
  Lagestatus 151, Geogr. Coord. [deg,min,sec], S42/83
  Lagestatus 177, Gauss-Krueger 3 deg. str., DHDN/Netz77
  Lagestatus 310 (HH), UTM Coordinates, ETRS89
  Lagestatus 320 (HH), Gauss-Krueger 3 deg. str., ETRS89
  Lagestatus 450, UTM Coordinates, ED50
  Lagestatus 489, UTM Coordinates, ETRS89
  Lagestatus 500, Soldner Berlin Muegg. (new), DHDN/Netz88
  Lagestatus 600, Soldner Berlin Muegg. (old), DHDN/Netz88
  Lagestatus 650, Soldner Berlin Goetzer Berg, DHDN/Netz88
  Lagestatus 801, Geogr. Coord. [deg], DHDN
  Lagestatus 801, Geogr. Coord. [deg,min,sec], DHDN
  Lagestatus 850, Geogr. Coord. [deg], ED50

Lagestatus 850, Geogr. Coord. [deg,min,sec], ED50
Lagestatus 877, Geogr. Koord. [deg], DHDN/Netz77
Lagestatus 877, Geogr. [deg,min,sec], DHDN/Netz77
Lagestatus 889, Geogr. Coord. [deg], ETRS89
Lagestatus 889, Geogr. Coord. [deg,min,sec], ETRS89
Geographic coordinates (Greenwich) [deg]
Geographic coordinates (Greenwich) [deg,min]
Geographic coordinates (Greenwich) [deg,min,sec]
Cartesian coordinates
Reference Systems
ETRS89 (EU), geocentric, GRS80
DHDN/PD (DE 1995 <±5m), Rauenberg, Bessel
DHDN/PD (DE 2001 <±3m), Rauenberg, Bessel
DHDN/Netz77 (DE-NW <±1m), Rauenberg, Bessel
DHDN/Netz88 (DE-BE <±0.2m), Rauenberg, Bessel
DHDN/PD (DE-HE from 12/07 <±0.1m), Rauenberg, Bessel
RD83 (DE New States <±1m), Rauenberg, Bessel
PD83 (DE New States [TH] <±1m), Rauenberg, Bessel
S42/83 (DE New States 1990 <±3m), Puklowo, Krassowsky
S42/83 (DE New States 2001 <±1m), Pulkovo, Krassowsky
S40/83 (DE New States 2004 <±0.5m), Rauenberg, Bessel
ED50 (EU), Potsdam, Hayford/Int.
WGS84 (Worldwide GPS), geocentric, WGS84
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

Germany (DE) - Prussian Land Register
Coordinate Systems
Prussian Land Register Kucklinsberg (1,RU)
Prussian Land Register Paulinen (2,PL)
Prussian Land Register Markushof (3,PL)
Prussian Land Register Turmberg (4,PL)
Prussian Land Register Kauernik (5,PL)
Prussian Land Register Thorn (6,PL)
Prussian Land Register Heinrichsthal (7,PL)
Prussian Land Register Gollenberg (8,PL)
Prussian Land Register Gnesen (9,PL)
Prussian Land Register Josephsberg (10,PL)
Prussian Land Register Schroda (11,PL)
Prussian Land Register Pschow (12,PL)
Prussian Land Register Rummelsberg (13,PL)
Prussian Land Register Groeditzberg (14,PL)
Prussian Land Register Kaltenborn (15,DE)
Prussian Land Register Bahn (16,PL)
Prussian Land Register Greifswald (17,DE)
Prussian Land Register Greifswald (17+,DE)
Prussian Land Register Mueggelberg Berlin (18,DE)
Prussian Land Register Mueggelberg Berlin (18+,DE)
Prussian Land Register Goetzer Berg (19,DE)
Prussian Land Register Torgau (20,DE)
Prussian Land Register Burkersroda (21,DE)
Prussian Land Register Inselsberg (22,DE)
Prussian Land Register Magdeburg (23,DE)
Prussian Land Register Ostenfeld (24,DE)

Prussian Land Register Rathkruegen (25,DE)
Prussian Land Register Bungsberg (26,DE)
Prussian Land Register Celle (27,DE)
Prussian Land Register Kaltenborn (28,DE)
Prussian Land Register Silberberg (29,DE)
Prussian Land Register Windberg (30,DE)
Prussian Land Register Hermannsdenkmal (31,DE)
Prussian Land Register Muenster (32,DE)
Prussian Land Register Bochum (33,DE)
Prussian Land Register Bochum (33+,DE)
Prussian Land Register Homert (34,DE)
Prussian Land Register Kassel (35,DE)
Prussian Land Register Schaumburg (36,DE)
Prussian Land Register Fleckert (37,DE)
Prussian Land Register Koeln (38,DE)
Prussian Land Register Langschoss (39,DE)
Prussian Land Register Rissenthal (40,DE)
Geographic coordinates (Greenwich) [deg]
Geographic coordinates (Greenwich) [deg,min]
Geographic coordinates (Greenwich) [deg,min,sec]
Cartesian coordinates
Reference Systems
DHDN/PD (DE 1995 <±5m), Rauenberg, Bessel
DHDN/PD (DE 2001 <±3m), Rauenberg, Bessel
WGS84 (Worldwide GPS), geocentric, WGS84
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

GPS Measurements - ITRS epochs
Coordinate Systems
Geographic coordinates (Greenwich) [deg]
Geographic coordinates (Greenwich) [deg,min]
Geographic coordinates (Greenwich) [deg,min,sec]
UTM coordinates (northern hemisphere)
Cartesian coordinates
Reference Systems
ETRS89 (EU ITRS epoch 1989), GRS80
ITRS24 (EU GPS measurements in license year 2024), WGS84
ITRS89 (EU GPS measurements epoch 1989), WGS84
ITRS90 (EU GPS measurements epoch 1990), WGS84
ITRS91 (EU GPS measurements epoch 1991), WGS84
ITRS92 (EU GPS measurements epoch 1992), WGS84
ITRS93 (EU GPS measurements epoch 1993), WGS84
ITRS94 (EU GPS measurements epoch 1994), WGS84
ITRS95 (EU GPS measurements epoch 1995), WGS84
ITRS96 (EU GPS measurements epoch 1996), WGS84
ITRS97 (EU GPS measurements epoch 1997), WGS84
ITRS98 (EU GPS measurements epoch 1998), WGS84
ITRS99 (EU GPS measurements epoch 1999), WGS84
ITRS00 (EU GPS measurements epoch 2000), WGS84
ITRS01 (EU GPS measurements epoch 2001), WGS84
ITRS02 (EU GPS measurements epoch 2002), WGS84
ITRS03 (EU GPS measurements epoch 2003), WGS84
ITRS04 (EU GPS measurements epoch 2004), WGS84

ITRS05 (EU GPS measurements epoch 2005), WGS84
ITRS06 (EU GPS measurements epoch 2006), WGS84
ITRS07 (EU GPS measurements epoch 2007), WGS84
ITRS08 (EU GPS measurements epoch 2008), WGS84
ITRS09 (EU GPS measurements epoch 2009), WGS84
ITRS10 (EU GPS measurements epoch 2010), WGS84
ITRS11 (EU GPS measurements epoch 2011), WGS84
ITRS12 (EU GPS measurements epoch 2012), WGS84
ITRS13 (EU GPS measurements epoch 2013), WGS84
ITRS14 (EU GPS measurements epoch 2014), WGS84
ITRS15 (EU GPS measurements epoch 2015), WGS84
ITRS16 (EU GPS measurements epoch 2016), WGS84
ITRS17 (EU GPS measurements epoch 2017), WGS84
ITRS18 (EU GPS measurements epoch 2018), WGS84
ITRS19 (EU GPS measurements epoch 2019), WGS84
ITRS20 (EU GPS measurements epoch 2020), WGS84
ITRS21 (EU GPS measurements epoch 2021), WGS84
ITRS22 (EU GPS measurements epoch 2022), WGS84
ITRS23 (EU GPS measurements epoch 2023), WGS84
ITRS24 (EU GPS measurements epoch 2024), WGS84
ITRS25 (EU GPS measurements epoch 2025), WGS84
WGS84 (Worldwide GPS), geocentric, WGS84
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

Great Britain (GB)
  Coordinate Systems
    British Transverse Mercator coordinates
    BNG British National Grid (Centimeter grid mesh)
    BNG British National Grid (Meter grid mesh)
    BNG British National Grid (100 meter grid mesh)
    ING Irish National Grid (Centimeter grid mesh)
    ING Irish National Grid (Meter grid mesh)
    ING Irish National Grid (100 meter grid mesh)
    Jersey (GB) Transverse Mercator coordinates
    Guernsey (GB) Grid coordinates
    TM 0 N Transverse Mercator coordinates
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    OSGB36 (GB-UK NTv2 OSTN15_OSGBtoETRS <±0.1m), Herstm, Airy
    ETRS89 (GB-UK NTv2 OSTN15_OSGBtoETRS <±0.1m), geoc., GRS80
    OSGB36 (GB-UK NTv2 OSTN15_ETRStoOSGB <±0.1m), Herstm., Airy
    ETRS89 (GB-UK NTv2 OSTN15_ETRStoOSGB <±0.1m), geoc., GRS80
    OSGB36 (GB-UK NTv2 OSTN02_N <±0.1m), Herstmonceux, Airy
    ETRS89 (GB-UK NTv2 OSTN02_N <±0.1m), geocentric, GRS80
    OSGB36 (GB-Engl+Wales NTv2 ENGLAND <±0.5m), Herstmon., Airy
    ETRS89 (GB-Engl+Wales NTv2 ENGLAND <±0.5m), geoc., GRS80
    OSGB36 (GB-Scotl. NTv2 SCOTLAND <±0.5m), Herstmonceux, Airy
    ETRS89 (GB-Scotland NTv2 SCOTLAND <±0.5m), geocentric, GRS80
    ETRS89 (EU), geocentric, GRS80

OSGB36 (GB/IE), Herstmonceux, Airy
ED50 (North Sea <±2m), Potsdam, Hayford/Int.
OSGB70 SN (GB/IE), Herstmonceux, Airy
IRENET95 (IE), geocentric, GRS80
TM65/OSNI52 (IE <±1m), Slieve Donard, Airy modified
TM75 (IE <±1m), Slieve Donard, Airy modified
TM75 (IE NTv2 TM75_ETRS89 <±0.3m), Slieve Donard, Airy mod.
ETRS89 (IE NTv2 TM75_ETRS89 <±0.3m), geocentric, GRS80
WGS84 (Worldwide GPS), geocentric, WGS84
WGS72 (Worldwide), geocentric, WGS72
ED50 (GB/IE <±3m), Potsdam, Hayford/Int.
ED50 (EU), Potsdam, Hayford/Int.
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

Greece (GR)
 Coordinate Systems
  Greek Transverse Mercator coordinates HGRS87/EGSA87
  Greek UTM Coordinates (reduced Zone No.)
  Greek Transverse Mercator coord. TM3 west zone
  Greek Transverse Mercator coord. TM3 middle zone
  Greek Transverse Mercator coord. TM3 east zone
  Geographic coordinates (Athens) [deg,min,sec]
  Geographic coordinates (Athens) [deg]
  UTM coordinates (northern hemisphere)
  Geographic coordinates (Greenwich) [deg]
  Geographic coordinates (Greenwich) [deg,min]
  Geographic coordinates (Greenwich) [deg,min,sec]
  Cartesian coordinates
 Reference Systems
  HGRS87/EGSA87 (GR), Dionysos, GRS80
  ED50 (GR), Potsdam, Hayford/Int.
  HELLENIC (GR <±3m), Athens, Bessel
  ETRS89 (EU), geocentric, GRS80
  WGS84 (Worldwide GPS), geocentric, WGS84
  WGS72 (Worldwide), geocentric, WGS72
  Source Reference System in an arbitrary NTv2 file
  Target Reference System in an arbitrary NTv2 file

Greenland (GL)
 Coordinate Systems
  UTM coordinates (northern hemisphere)
  Greenland Lambert zone 5 east coordinates
  Greenland Lambert zone 6 east coordinates
  Greenland Lambert zone 7 east coordinates
  Greenland Lambert zone 8 east coordinates
  Greenland Lambert zone 2 west coordinates
  Greenland Lambert zone 3 west coordinates
  Greenland Lambert zone 4 west coordinates
  Greenland Lambert zone 5 west coordinates
  Greenland Lambert zone 6 west coordinates
  Greenland Lambert zone 7 west coordinates
  Geographic coordinates (Greenwich) [deg]
  Geographic coordinates (Greenwich) [deg,min]

Geographic coordinates (Greenwich) [deg,min,sec]
Cartesian coordinates
Reference Systems
GR96 (GL <±1m), geocentric, GRS80
Ammassalik 1958 (GL <±1m), Ammassalik, Hayford/Int.
Scoresbysund 1952 (GL <±1m), Scoresbysund, Hayford/Int.
Qornoq 1927 (GL <±1m), Qornoq, Hayford/Int.
WGS84 (Worldwide GPS), geocentric, WGS84
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

Hungary (HU)
Coordinate Systems
Hungarian EOV coordinates
Gauss-Krueger (6 degrees wide strips)
UTM coordinates (northern hemisphere)
Geographic coordinates (Greenwich) [deg]
Geographic coordinates (Greenwich) [deg,min]
Geographic coordinates (Greenwich) [deg,min,sec]
Cartesian coordinates
Reference Systems
HD72 (HU 1995), Szölöhegy, GRS67
HD72 (HU 2002), Szölöhegy, GRS67
HD72 (HU 2014 NTv2 Etrs2Eov_kor), Szölöhegy, GRS67
ETRS89 (HU 2014 NTv2 Etrs2Eov_kor), geocentric, GRS80
S42/83 (EU-E/AS[FSU] 1990 <±3m), Pulkovo, Krassowsky
ETRS89 (EU), geocentric, GRS80
WGS84 (Worldwide GPS), geocentric, WGS84
WGS72 (Worldwide), geocentric, WGS72
PZ-90 Roßbach 2000 (Worldwide GLONASS), geoc., PZ-90
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

Iceland (IS)
Coordinate Systems
Iceland Lambert 2016 coordinates
Iceland Lambert 2004 coordinates
Iceland Lambert 1993 coordinates
Iceland Lambert 1955 coordinates
Iceland Lambert 1900 coordinates
UTM coordinates (northern hemisphere)
LAEA-Iceland Lambert Azimmuthal Equal Area
LAEA-Europe Pan-European Lambert Azim. Equal Area
LCC-Europe Pan-European Lambert Conformal Conic
Geographic coordinates (Kopenhagen) [deg]
Geographic coordinates (Kopenhagen) [deg,min,sec]
Geographic coordinates (Greenwich) [deg]
Geographic coordinates (Greenwich) [deg,min]
Geographic coordinates (Greenwich) [deg,min,sec]
Cartesian coordinates
Reference Systems
ISN2004 (IS), geocentric, GRS80
ISN2004 (IS NTv2 ISN2004_ISN2016), geocentric, GRS80
ISN2016 (IS NTv2 ISN2004_ISN2016), geocentric, GRS80

ISN93 (IS), geocentric, GRS80
ISN93 (IS NTv2 ISN93_ISN2016), geocentric, GRS80
ISN2016 (IS NTv2 ISN93_ISN2016), geocentric, GRS80
ISN2016 (IS =WGS84=), geocentric, WGS84
ISN2004 (IS =WGS84=), geocentric, WGS84
ISN93 (IS =WGS84=), geocentric, WGS84
Hjorsey 1955 (IS), Hjorsey, Hayford/International
Reykjavik 1900 (IS), Reykjavik, Danish Andrae
WGS84 (Worldwide GPS), geocentric, WGS84
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

INSPIRE© (Europe)
  Coordinate Systems
    TMzn-Europe Pan-European Transverse Mercator (UTM)
    LCC-Europe Pan-European Lambert Conformal Conic
    LAEA-Europe Pan-European Lambert Azim. Equal Area
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    ETRS89 (EU), geocentric, GRS80
    WGS84 (Worldwide GPS), geocentric, WGS84
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

Ireland / Northern Ireland (IE)
  Coordinate Systems
    Irish ITM Transverse Mercator coordinates
    IG Irish Grid Transverse Mercator coordinates
    ING Irish National Grid (Centimeter grid mesh)
    ING Irish National Grid (Meter grid mesh)
    ING Irish National Grid (100 meter grid mesh)
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    IRENET95 (IE), geocentric, GRS80
    ETRS89 (EU), geocentric, GRS80
    TM65/OSNI52 (IE <±1m), Slieve Donard, Airy modified
    TM75 (IE <±1m), Slieve Donard, Airy modified
    TM75 (IE NTv2 TM75_ETRS89 <±0.3m), Slieve Donard, Airy mod.
    ETRS89 (IE NTv2 TM75_ETRS89 <±0.3m), geocentric, GRS80
    OSGB36 (GB/IE), Herstmonceux, Airy
    OSGB70 SN (GB/IE), Herstmonceux, Airy
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    ED50 (GB/IE <±3m), Potsdam, Hayford/Int.
    ED50 (EU), Potsdam, Hayford/Int.
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

Italy (IT)
  Coordinate Systems
    Italian Transv. Mercator RDN zone EN/NE
    Italian Transv. Mercator RDN zone 12 EN/NE
    Italian Transverse Mercator Emilia-Romagna
    Italian Gauss-Boaga west zone
    Italian Gauss-Boaga east zone
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Roma) [deg,min,sec]
    Geographic coordinates (Roma) [deg]
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    RDN2008 (IT), geocentric, GRS80
    IGM95 (IT), geocentric, WGS84
    ETRS89 (EU), geocentric, GRS80
    ED50 (IT NTv2 NadED50), Potsdam, Hayford/Int.
    WGS84 (IT NTv2 NadED50), geocentric, WGS84
    ROMA40 (IT NTv2 NadRoma40), Monte Mario, Hayford/Int.
    WGS84 (IT NTv2 NadRoma40), geocentric, WGS84
    ROMA40 (IT NTv2 NadRoma40ED50), Monte Mario, Hayford/Int.
    ED50 (IT NTv2 NadRoma40ED50), Potsdam, Hayford/Int.
    ROMA40 (IT), Monte Mario, Hayford/Int.
    ROMA40 (IT-peninsular <±4m), Monte Mario, Hayford/Int.
    ROMA40 (IT-Sardinia <±4m), Monte Mario, Hayford/Int.
    ROMA40 (IT-Sicily <±4m), Monte Mario, Hayford/Int.
    ED50 (EU), Potsdam, Hayford/Int.
    ED50 (IT Sardinia), Potsdam, Hayford/Int.
    ED50 (IT Sicily), Potsdam, Hayford/Int.
    Genova1902 (IT contry wide 7par. ±2.5m), Genova, Bessel
    Genova1902 (IT contry wide 3par. ±10m), Genova, Bessel
    Genova1902 (IT north 3Par.), Genova, Bessel
    Old Monte Mario (IT central), Monte Mario, Bessel
    Castanea1910 (IT south), Castanea, Bessel
    Guardia Vecchia (IT Sardinia), Maddalena, Bessel
    ROMA40 (IT Em-Rom NTv2 RerAd400MMED50), MM, Hayford/Int.
    ED50 (IT Em-Rom NTv2 RerAd400MMED50), Potsdam, Hayford/Int.
    ROMA40 (IT Em-Rom NTv2 RerAd400MMETRS89), MM, Hayford/Int.
    ETRS89 (IT Em-Rom NTv2 RerAd400MMETRS89), geoc., GRS80
    ROMA40 (IT Em-Rom NTv2 RerMmED50K2), MM, Hayford/Int.
    ED50 (IT Em-Rom NTv2 RerMmED50K2), Potsdam, Hayford/Int.
    ROMA40 (IT Em-Rom NTv2 RerMmETRS89K2), MM, Hayford/Int.
    ETRS89 (IT Em-Rom NTv2 RerMmETRS89K2), geoc., GRS80
    ED50 (IT Em-Rom NTv2 RerED50ETRS89K2), Potsd., Hayford/Int.
    ETRS89 (IT Em-Rom NTv2 RerED50ETRS89K2), geoc., GRS80
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

Kosovo (XK)

Coordinate Systems
  KOSOVAREF01 Gauss-Krueger coordinates
  Balkans MGI Zones 5-8 Gauss-Krueger coordinates
  UTM coordinates (northern hemisphere)
  Geographic coordinates (Greenwich) [deg]
  Geographic coordinates (Greenwich) [deg,min]
  Geographic coordinates (Greenwich) [deg,min,sec]
  Cartesian coordinates
Reference Systems
  KOSOVAREF01 (XK <±1m), geocentric, GRS80
  MGI (XK <±1m), Hermannskogel, Bessel
  WGS84 (Worldwide GPS), geocentric, WGS84
  Source Reference System in an arbitrary NTv2 file
  Target Reference System in an arbitrary NTv2 file

Latvia (LV)
  Coordinate Systems
    UTM coordinates (northern hemisphere)
    Latvian Transverse Mercator coord. LKS92
    Baltic Transverse Mercator coord. TM Baltic93
    Baltic CS63 zone C0 Transverse Mercator
    Baltic CS63 zone C1 Transverse Mercator
    Baltic CS63 zone C2 Transverse Mercator
    Gauss-Krueger (6 degrees wide strips)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    Latvia LKS92 (LV), geocentric, GRS80
    ETRS89 (EU), geocentric, GRS80
    S42 (LV), Pulkovo, Krassowsky
    S42/83 (EU-E/AS[FSU] 1990 <±3m), Pulkovo, Krassowsky
    WGS84 (Worldwide GPS), geocentric, WGS84
    PZ-90 Roßbach 2000 (Worldwide GLONASS), geoc., PZ-90
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

Liechtenstein (LI)
  Coordinate Systems
    Swiss grid coordinates 1995 (LV95)
    Swiss grid coordinates New Grid (1903M, LV03)
    Swiss grid coordinates Old Grid (1903C, LV03C-G, Greenw.)
    Swiss grid coordinates Old Grid (1903C, LV03C, Bern)
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    ETRS89 (EU), geocentric, GRS80
    CH1903 (CH/LI), Bern, Bessel
    CH1903+ (CH/LI 1993), Zimmerwald, Bessel
    CHTRS95 (CH/LI), geocentric, GRS80

CH1903 (CH/LI NTv2 chenyx06etrs <±0.5m), Bern, Bessel
ETRS89 (CH/LI NTv2 chenyx06etrs <±0.5m), geocentric, GRS80
CH1903 (CH/LI NTv2 chenyx06a <±0.5m), Bern, Bessel
CH1903+ (CH/LI NTv2 chenyx06a <±0.5m), Zimmerwald, Bessel
CH1903 (CH/LI NTv2 chenyx06etrs <±2m), Bern, Bessel
CHTRF95 (CH/LI NTv2 chenyx06etrs <±2m), geocentric, GRS80
WGS84 (Worldwide GPS), geocentric, WGS84
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

Lithuania (LT)
  Coordinate Systems
    UTM coordinates (northern hemisphere)
    Lithuanian Transverse Mercator coord. LKS94
    Baltic Transverse Mercator coord. TM Baltic93
    Baltic CS63 zone C0 Transverse Mercator
    Baltic CS63 zone C1 Transverse Mercator
    Baltic CS63 zone C2 Transverse Mercator
    Gauss-Krueger (6 degrees wide strips)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    ETRS89 (EU), geocentric, GRS80
    Lithuania LKS94 (LT), geocentric, GRS80
    S42 (LT), Pulkovo, Krassowsky
    S42/83 (EU-E/AS[FSU] 1990 <±3m), Pulkovo, Krassowsky
    WGS84 (Worldwide GPS), geocentric, WGS84
    PZ-90 Roßbach 2000 (Worldwide GLONASS), geoc., PZ-90
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

Luxembourg (LU)
  Coordinate Systems
    Luxemburgian Transverse Mercator
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [gon]
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    ETRS89 (EU), geocentric, GRS80
    LUREF (LU), Habay, Hayford/Int.
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    ED50 (EU), Potsdam, Hayford/Int.
    NTF (FR), Paris Pantheon, Clarke IGN
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

Malta (MT)
  Coordinate Systems

UTM coordinates (northern hemisphere)
Geographic coordinates (Greenwich) [deg]
Geographic coordinates (Greenwich) [deg,min]
Geographic coordinates (Greenwich) [deg,min,sec]
Cartesian coordinates
Reference Systems
ED50 (MT), Potsdam, Hayford/Int.
WGS84 (Worldwide GPS), geocentric, WGS84
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

Montenegro (ME)
Coordinate Systems
Balkans MGI Zones 5-8 Gauss-Krueger coordinates
KOSOVAREF01 Gauss-Krueger coordinates
UTM coordinates (northern hemisphere)
Geographic coordinates (Greenwich) [deg]
Geographic coordinates (Greenwich) [deg,min]
Geographic coordinates (Greenwich) [deg,min,sec]
Cartesian coordinates
Reference Systems
MGI (RS/ME/MK), Hermannskogel, Bessel
ETRS89 (EU), geocentric, GRS80
WGS84 (Worldwide GPS), geocentric, WGS84
PZ-90 Roßbach 2000 (Worldwide GLONASS), geoc., PZ-90
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

Netherlands (NL)
Coordinate Systems
UTM coordinates (northern hemisphere)
Netherlands RD New Stereographic coordinates
Netherlands RD Old Stereographic coordinates
TM 5 NE Transverse Mercator Coordinates
Geographic coordinates (Greenwich) [deg]
Geographic coordinates (Greenwich) [deg,min]
Geographic coordinates (Greenwich) [deg,min,sec]
Cartesian coordinates
Reference Systems
ETRS89 (EU), geocentric, GRS80
Amersfoort (NL 2020 <±0.25m), Amersfoort, Bessel
Amersfoort (NL NTv2 RDTRANS2018 <±5mm), Amersfoort, Bessel
ETRS89 (NL NTv2 RDTRANS2018 <±5mm), geocentric, GRS80
Amersfoort (NL 2018 <±0.1m), Amersfoort, Bessel
Amersfoort (NL NTv2 RDTRANS2008 <±5mm), Amersfoort, Bessel
ETRS89 (NL NTv2 RDTRANS2008 <±5mm), geocentric, GRS80
Amersfoort (NL 2008 <±0.1m), Amersfoort, Bessel
Amersfoort (NL 2004 <±0.3m), Amersfoort, Bessel
Amersfoort (NL 2000 <±0.5), Amersfoort, Bessel
ED50 (North Sea <±2m), Potsdam, Hayford/Int.
WGS84 (Worldwide GPS), geocentric, WGS84
WGS72 (Worldwide), geocentric, WGS72
ED50 (EU), Potsdam, Hayford/Int.
Source Reference System in an arbitrary NTv2 file

Target Reference System in an arbitrary NTv2 file

North Macedonia (MK)
  Coordinate Systems
    Macdonien Gauss-Krueger coordinates
    Macdonien truncated Gauss-Krueger coordinates
    Balkans MGI Zones 5-8 Gauss-Krueger coordinates
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    MGI 1901 (MK ±0.7m), Hermannskogel, Bessel
    MGI (RS/ME/MK), Hermannskogel, Bessel
    WGS84 (Worldwide GPS), geocentric, WGS84
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

Norway (NO)
  Coordinate Systems
    UTM coordinates (northern hemisphere)
    Norwegian Transv. Mercator NGO1948 Zone I
    Norwegian Transv. Mercator NGO1948 Zone II
    Norwegian Transv. Mercator NGO1948 Zone III
    Norwegian Transv. Mercator NGO1948 Zone IV
    Norwegian Transv. Mercator NGO1948 Zone V
    Norwegian Transv. Mercator NGO1948 Zone VI
    Norwegian Transv. Mercator NGO1948 Zone VII
    Norwegian Transv. Mercator NGO1948 Zone VIII
    Norwegian Transv. Mercator NTM Zone 5
    Norwegian Transv. Mercator NTM Zone 6
    Norwegian Transv. Mercator NTM Zone 7
    Norwegian Transv. Mercator NTM Zone 8
    Norwegian Transv. Mercator NTM Zone 9
    Norwegian Transv. Mercator NTM Zone 10
    Norwegian Transv. Mercator NTM Zone 11
    Norwegian Transv. Mercator NTM Zone 12
    Norwegian Transv. Mercator NTM Zone 13
    Norwegian Transv. Mercator NTM Zone 14
    Norwegian Transv. Mercator NTM Zone 15
    Norwegian Transv. Mercator NTM Zone 16
    Norwegian Transv. Mercator NTM Zone 17
    Norwegian Transv. Mercator NTM Zone 18
    Norwegian Transv. Mercator NTM Zone 19
    Norwegian Transv. Mercator NTM Zone 20
    Norwegian Transv. Mercator NTM Zone 21
    Norwegian Transv. Mercator NTM Zone 22
    Norwegian Transv. Mercator NTM Zone 23
    Norwegian Transv. Mercator NTM Zone 24
    Norwegian Transv. Mercator NTM Zone 25
    Norwegian Transv. Mercator NTM Zone 26
    Norwegian Transv. Mercator NTM Zone 27
    Norwegian Transv. Mercator NTM Zone 28

Norwegian Transv. Mercator NTM Zone 29
　　Norwegian Transv. Mercator NTM Zone 30
　　Norway EPSG Arctic 3-11 Lambert Conformal Conic
　　Geographic coordinates (Greenwich) [deg]
　　Geographic coordinates (Greenwich) [deg,min]
　　Geographic coordinates (Greenwich) [deg,min,sec]
　　Cartesian coordinates
　Reference Systems
　　NGO1948 (NO), Oslo, Bessel modified
　　ETRS89 (EU), geocentric, GRS80
　　WGS84 (Worldwide GPS), geocentric, WGS84
　　ED50 (NO >62° 1991), Potsdam, Hayford/Int.
　　ED50 (NO >62° 2001), Potsdam, Hayford/Int.
　　ED50 (NO <62° 2001), Potsdam, Hayford/Int.
　　ED50 (NO FI 1990), Potsdam, Hayford/Int.
　　ED50 (EU), Potsdam, Hayford/Int.
　　Source Reference System in an arbitrary NTv2 file
　　Target Reference System in an arbitrary NTv2 file

Poland (PL)
　Coordinate Systems
　　Polish Gauss-Krueger 2000/15-24 (3 degrees strips)
　　Polish Gauss-Krueger coordinates 1992/19
　　Polish Stereographic 1965 zone 1
　　Polish Stereographic 1965 zone 2
　　Polish Stereographic 1965 zone 3
　　Polish Stereographic 1965 zone 4
　　Polish Transverse Mercator 1965 zone 5
　　Polish Stereographic GUGiK coordinates
　　Polish Gauss-Krueger 1942/15-24 (3 degrees strips)
　　Polish Gauss-Krueger 1942/15-21 (6 degrees strips)
　　UTM coordinates (northern hemisphere)
　　Geographic coordinates (Greenwich) [deg]
　　Geographic coordinates (Greenwich) [deg,min]
　　Geographic coordinates (Greenwich) [deg,min,sec]
　　Cartesian coordinates
　Reference Systems
　　ETRS89 (EU), geocentric, GRS80
　　S42/58 (PL Uklad 1965), Pulkovo, Krassowsky
　　Pulkovo1942(58) (EU-E <±1m), Pulkovo, Krassowsky
　　S42/83 (PL), Pulkovo, Krassowsky
　　S42/83 (EU-E/AS[FSU] 1990 <±3m), Pulkovo, Krassowsky
　　WGS84 (Worldwide GPS), geocentric, WGS84
　　WGS72 (Worldwide), geocentric, WGS72
　　ED50 (EU), Potsdam, Hayford/Int.
　　PZ-90 Roßbach 2000 (Worldwide GLONASS), geoc., PZ-90
　　Source Reference System in an arbitrary NTv2 file
　　Target Reference System in an arbitrary NTv2 file

Portugal (PT)
　Coordinate Systems
　　Portugese Transverse Mercator TM06
　　Portugese Transversal Mercator DLX/SHGA coord.
　　Portugese Transversal Mercator DLX/SHGM coord.

Portugese Transversal Mercator D73/SHG73 coord.
Portugese Bonne B-DLX coordinates
LCC-Europe Pan-European Lambert Conformal Conic
LAEA-Europe Pan-European Lambert Azim. Equal Area
UTM coordinates (northern hemisphere)
Geographic coordinates (Lisbon) [deg]
Geographic coordinates (Lisbon) [deg,min,sec]
Geographic coordinates (Greenwich) [deg]
Geographic coordinates (Greenwich) [deg,min]
Geographic coordinates (Greenwich) [deg,min,sec]
Cartesian coordinates
Reference Systems
D73 (PT 2011 NTv2 D73_ETRS89_geo), Melrica, Hayford/Int.
ETRS89 (PT 2011 NTv2 D73_ETRS89_geo), geocentric, GRS80
DLX (PT 2011 NTv2 DLX_ETRS89_geo), Lisbon, Hayford/Int.
ETRS89 (PT 2011 NTv2 DLX_ETRS89_geo), geocentric, GRS80
D73 (PT 2008 NTv2 PT73_E89 <±0.5m), Melrica, Hayford/Int.
ETRS89 (PT 2008 NTv2 PT73_E89 <±0.5m), geocentric, GRS80
DLX (PT 2008 NTv2 PTLX_E89 <±0.5m), Lisbon, Hayford/Int.
ETRS89 (PT 2008 NTv2 PTLX_E89 <±0.5m), geocentric, GRS80
B-DLX (PT 2008 NTv2 PTBL_E89 <±0.5m), Lissabon, Bessel
ETRS89 (PT 2008 NTv2 PTBL_E89 <±0.5m), geocentric, GRS80
ED50 (PT 2008 NTv2 PTED_E89 <±0.5m), Potsdam, Hayford/Int.
ETRS89 (PT 2008 NTv2 PTED_E89 <±0.5m), geocentric, GRS80
ETRS89 (EU), geocentric, GRS80
D73 (PT), Melrica, Hayford/Int.
DLX (PT), Lisbon, Hayford/Int.
B-DLX (PT), Lisbon, Bessel
PTRA08 (PT islands <±1m), geocentric, GRS80
ED50 (PT), Potsdam, Hayford/Int.
Porto Santo 1995 (PT Madeira), Base SE, Hayford/Int.
Porto Santo 1936 (PT Madeira), Base SE, Hayford/Int.
Selvagem Grande (PT Madeira), Marco Astro, Hayford/Int.
Azores Oriental 1995 (PT Azores), Sao Braz, Hayford/Int.
Azores Central 1995 (PT Azores), Gracioso, Hayford/Int.
Azores Oriental 1940 (PT Azores), Sao Braz, Hayford/Int.
Azores Central 1948 (PT Azores), Gracioso, Hayford/Int.
Azores Occidental 1939 (PT Azores), Flores, Hayford/Int.
WGS84 (Worldwide GPS), geocentric, WGS84
WGS72 (Worldwide), geocentric, WGS72
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

Romania (RO)
Coordinate Systems
Romanian Stereo70 Stereographic coordinates
Romanian Stereo33 Stereographic coordinates
Gauss-Krueger (6 degrees wide strips)
UTM coordinates (northern hemisphere)
Geographic coordinates (Greenwich) [deg]
Geographic coordinates (Greenwich) [deg,min]
Geographic coordinates (Greenwich) [deg,min,sec]
Cartesian coordinates
Reference Systems

Stereo70 (RO <±3m), Dealul Piscului, Krassowsky
Stereo70 (RO NTv2 Stereo70_ETRS89), Dea. Pisc., Krassowsky
ETRS89 (RO NTv2 Stereo70_ETRS89), geocentric, GRS80
Stereo33 (RO <±3m), Dealul Piscului, Hayford/Int.
S42/83 (RO <±3m), Pulkovo, Krassowsky
S42/83 (EU-E/AS[FSU] 1990 <±3m), Pulkovo, Krassowsky
Pulkovo1942(58) (RO <±0.5m), Pulkovo, Krassowsky
Pulkovo1942(58) (EU-E <±1m), Pulkovo, Krassowsky
ETRS89 (EU), geocentric, GRS80
WGS84 (Worldwide GPS), geocentric, WGS84
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

Russian Federation (RU)
  Coordinate Systems
    Russian Gauss-Krueger coordinates GSK 3GK
    Gauss-Krueger (6 degrees wide strips)
    Gauss-Krueger coord. (3 degrees wide strips)
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    GSK-2011 (RU), geocentric, GSK-2011
    Pulkovo1995 (EU-E/AS[FSU] 2008 <±1m), Pulkovo, Krassowsky
    Pulkovo1942 (EU-E/AS[FSU] 2008 <±3m), Pulkovo, Krassowsky
    S42/2001 (EU-E/AS[FSU] <±4m), Pulkovo, Krassowsky
    S42/1993 (EU-E/AS[FSU] <±4.5m), Pulkovo, Krassowsky
    S42/83 (EU-E/AS[FSU] 1990 <±3m), Pulkovo, Krassowsky
    S42/3Par. (EU-E/AS[FSU]), Pulkovo, Krassowsky
    PZ-90 Gost 2010 (RU), geocentric, PZ-90
    PZ-90 Roßbach 2000 (Worldwide GLONASS), geoc., PZ-90
    PZ-90 Roßbach 1996 (Worldwide GLONASS), geoc., PZ-90
    PZ-90 Misra 1996 (Worldwide GLONASS), geoc., PZ-90
    PZ-90 Boykov 1993 (Worldwide GLONASS), geoc., PZ-90
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

Serbia (RS)
  Coordinate Systems
    Balkans MGI Zones 5-8 Gauss-Krueger coordinates
    KOSOVAREF01 Gauss-Krueger coordinates
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    MGI 1901 (RS ±0.5m), Hermannskogel, Bessel
    MGI (RS/ME/MK), Hermannskogel, Bessel
    SREF98 (RS), geocentric, GRS80

SRB_ETRS89 (RS), geocentric, GRS80
ETRS89 (EU), geocentric, GRS80
WGS84 (Worldwide GPS), geocentric, WGS84
PZ-90 Roßbach 2000 (Worldwide GLONASS), geoc., PZ-90
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

Slovakia (SK)
  Coordinate Systems
    Krovak S-JTSK (Greenwich South/West positiv) coordinates
    Krovak S-JTSK (Greenwich East/Nord negativ) coordinates
    Krovak S-JTSK (Ferro South/West positiv) coordinates
    Krovak S-JTSK (Ferro East/Nord negativ) coordinates
    Gauss-Krueger (6 degrees wide strips)
    Austria Bundesmeldenetz M31 (X < 5 Mio.)
    Austria Bundesmeldenetz M34 (X < 5 Mio.)
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Ferro) [deg]
    Geographic coordinates (Ferro) [deg,min,sec]
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    ETRS89 (EU), geocentric, GRS80
    S-JTSK (SK 2006 <±1m), Hermannskogel, Bessel
    S-JTSK (SK 2000), Hermannskogel, Bessel
    S42/83 (EU-E/AS[FSU] 1990 <±3m), Pulkovo, Krassowsky
    MGI (AT/CZ), Hermannskogel, Bessel
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    ED50 (EU), Potsdam, Hayford/Int.
    PZ-90 Roßbach 2000 (Worldwide GLONASS), geoc., PZ-90
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

Slovenia (SI)
  Coordinate Systems
    Slovenian Transverse Mercator coord. D48
    Slovenian Transverse Mercator coord. D48+
    Balkans MGI Zones 5-8 Gauss-Krueger coordinates
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    D48 (SI), Hermannskogel, Bessel
    MGI (SI/HR/BA), Hermannskogel, Bessel
    S42/83 (EU-E/AS[FSU] 1990 <±3m), Pulkovo, Krassowsky
    ETRS89 (EU), geocentric, GRS80
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    ED50 (EU), Potsdam, Hayford/Int.

PZ-90 Roßbach 2000 (Worldwide GLONASS), geoc., PZ-90
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

Spain (ES)
 Coordinate Systems
  UTM coordinates (northern hemisphere)
  UTMref (MGRS) (Meter grid mesh)
  Spanish Lambert MADRID coordinates
  Geographic coordinates (Madrid) [deg,min,sec]
  Geographic coordinates (Madrid) [deg]
  LCC-Europe Pan-European Lambert Conformal Conic
  LAEA-Europe Pan-European Lambert Azim. Equal Area
  Geographic coordinates (Greenwich) [deg]
  Geographic coordinates (Greenwich) [deg,min]
  Geographic coordinates (Greenwich) [deg,min,sec]
  Cartesian coordinates
 Reference Systems
  ED50 (ES Pen NTv2 PENR2009 <±0.1m), Potsdam, Hayford/Int.
  ETRS89 (ES Pen NTv2 PENR2009 <±0.1m), geocentric, GRS80
  ED50 (ES Bal NTv2 BALR2009 <±0.1m), Potsdam, Hayford/Int.
  ETRS89 (ES Bal NTv2 BALR2009 <±0.1m), geocentric, GRS80
  ED50 (ES Pen+Bal NTv2 SPED2ET(03) <±0.15m), Pd, Hayford/Int.
  ETRS89 (ES Pen+Bal NTv2 SPED2ET(03) <±0.15m), geoc., GRS80
  MADRID1870 (ES <±7m), Madrid, Struve
  Pico Nieves 1984 (ES-Canares <±20m), P. Nieves, Hayford/Int.
  REGCAN95 (ES-Canares), geocentric, GRS80
  ED50 (ES EST99 peninsular), Potsdam, Hayford/Int.
  ED50 (ES ZNW99 northwest), Potsdam, Hayford/Int.
  ED50 (ES BAL99 Balearic isl.), Potsdam, Hayford/Int.
  ETRS89 (EU), geocentric, GRS80
  WGS84 (Worldwide GPS), geocentric, WGS84
  WGS72 (Worldwide), geocentric, WGS72
  Source Reference System in an arbitrary NTv2 file
  Target Reference System in an arbitrary NTv2 file

Sweden (SE)
 Coordinate Systems
  Swedish Transv. Mercator SWEREF99 TM (15°)
  Swedish Transverse Mercator SWEREF99 (12°)
  Swedish Transverse Mercator SWEREF99 (13° 30')
  Swedish Transverse Mercator SWEREF99 (15°)
  Swedish Transverse Mercator SWEREF99 (16° 30')
  Swedish Transverse Mercator SWEREF99 (18°)
  Swedish Transverse Mercator SWEREF99 (14° 15')
  Swedish Transverse Mercator SWEREF99 (15° 45')
  Swedish Transverse Mercator SWEREF99 (17° 15')
  Swedish Transverse Mercator SWEREF99 (18° 45')
  Swedish Transverse Mercator SWEREF99 (20° 15')
  Swedish Transverse Mercator SWEREF99 (21° 45')
  Swedish Transverse Mercator SWEREF99 (23° 15')
  Swedish Transv. Mercator RT90 7.5gonV
  Swedish Transv. Mercator RT90 5gonV
  Swedish Transv. Mercator RT90 2.5gonV

Swedish Transv. Mercator RT90 0gon
Swedish Transv. Mercator RT90 2.5gonO
Swedish Transv. Mercator RT90 5gonO
Swedish Transv. Mercator RT90 7.5gonO
Swedish Transv. Mercator RT R01 Skåne 2.5gonV
Swedish Transv. Mercator RT R02 Halland 2.5gonV
Swedish Transv. Mercator RT R03 Karlshamn 2.5gonV
Swedish Transv. Mercator RT R04 Göteborg 2.5gonV
Swedish Transv. Mercator RT R05 Vänern 2.5gonV
Swedish Transv. Mercator RT R06 Småland 2.5gonV
Swedish Transv. Mercator RT R07 Örebro 2.5gonV
Swedish Transv. Mercator RT R08 Gotland 2.5gonV
Swedish Transv. Mercator RT R09 Stockholm 2.5gonV
Swedish Transv. Mercator RT R10 Gävle-Dala 2.5gonV
Swedish Transv. Mercator RT R1 2.5gonV1 Ume
Swedish Transv. Mercator RT R12 Luleå 2.5gonV
Swedish Transv. Mercator coord. FME (13° 35')
UTM coordinates (northern hemisphere)
Geographic coordinates (Greenwich) [deg]
Geographic coordinates (Greenwich) [deg,min]
Geographic coordinates (Greenwich) [deg,min,sec]
Cartesian coordinates
Reference Systems
SWEREF99 (SE), geocentric, GRS80
SWEREF93 (SE), geocentric, GRS80
RT90 (SE), Stockholm, Bessel
ETRS89 (EU), geocentric, GRS80
WGS84 (Worldwide GPS), geocentric, WGS84
ED50 (EU), Potsdam, Hayford/Int.
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

Switzerland (CH)
  Coordinate Systems
    Swiss grid coordinates 1995 (LV95)
    Swiss grid coordinates New Grid (1903M, LV03)
    Swiss grid coordinates Old Grid (1903C, LV03C, Bern)
    Swiss grid coordinates Old Grid (1903C, LV03C-G, Greenw.)
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    ETRS89 (EU), geocentric, GRS80
    CH1903 (CH/LI), Bern, Bessel
    CH1903+ (CH/LI 1993), Zimmerwald, Bessel
    CHTRS95 (CH/LI), geocentric, GRS80
    CH1903 (CH/LI NTv2 chenyx06etrs <±0.5m), Bern, Bessel
    ETRS89 (CH/LI NTv2 chenyx06etrs <±0.5m), geocentric, GRS80
    CH1903 (CH/LI NTv2 chenyx06a <±0.5m), Bern, Bessel
    CH1903+ (CH/LI NTv2 chenyx06a <±0.5m), Zimmerwald, Bessel
    CH1903 (CH/LI NTv2 chenyx06etrs <±2m), Bern, Bessel
    CHTRF95 (CH/LI NTv2 chenyx06etrs <±2m), geocentric, GRS80

GRANIT87 (CH), Zimmerwald, Bessel
WGS84 (Worldwide GPS), geocentric, WGS84
WGS72 (Worldwide), geocentric, WGS72
ED50 (EU), Potsdam, Hayford/Int.
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

Turkey (TR)
  Coordinate Systems
    Turkey TUREF/TM27 Transverse Mercator
    Turkey TUREF/TM30 Transverse Mercator
    Turkey TUREF/TM33 Transverse Mercator
    Turkey TUREF/TM36 Transverse Mercator
    Turkey TUREF/TM39 Transverse Mercator
    Turkey TUREF/TM42 Transverse Mercator
    Turkey TUREF/TM45 Transverse Mercator
    LCC-Europe Pan-European Lambert Conformal Conic
    LAEA-Europe Pan-European Lambert Azim. Equal Area
    UTM coordinates (northern hemisphere)
    Gauss-Krueger coord. (3 degrees wide strips)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    TUREF (TR), geocentric, GRS80
    ED50 (TR <±2m), Potsdam, Hayford/Int.
    ETRS89 (EU), geocentric, GRS80
    WGS84 (Worldwide GPS), geocentric, WGS84
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

Ukraine (UA)
  Coordinate Systems
    Ukrainian Gauss-Krueger TM (3 degrees wide strips)
    Gauss-Krueger coord. (3 degrees wide strips)
    Gauss-Krueger (6 degrees wide strips)
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    UCS2000 (UA 2012 <±1m), Pulkovo, Krassowsky
    UCS2000 (UA 2008 <±5m), Pulkovo, Krassowsky
    S42/83 (UA 2012 <±3.5m), Pulkovo, Krassowsky
    S42/83 (EU-E/AS[FSU] 1990 <±3m), Pulkovo, Krassowsky
    WGS84 (Worldwide GPS), geocentric, WGS84
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

Multinational Coordinate Systems
  Coordinate Systems
    TMzn-Europe Pan-European Transverse Mercator (UTM)

LCC-Europe Pan-European Lambert Conformal Conic
LAEA-Europe Pan-European Lambert Azim. Equal Area
Europe Albers Equal Area Conic coordinates
Caspian Sea Mercator coordinates
TM 0 N Transverse Mercator coordinates
TM 5 NE Transverse Mercator Coordinates
TM 6 NETransverse Mercator coordinates
UTMref (MGRS) (Meter grid mesh)
Baltic Transverse Mercator coord. TM Baltic93
Baltic CS63 zone C0 Transverse Mercator
Baltic CS63 zone C1 Transverse Mercator
Baltic CS63 zone C2 Transverse Mercator
Balkans MGI Zones 5-8 Gauss-Krueger coordinates
KOSOVAREF01 Gauss-Krueger coordinates
UTM coordinates (northern hemisphere)
Gauss-Krueger coord. (3 degrees wide strips)
Gauss-Krueger (6 degrees wide strips)
Geographic coordinates (Greenwich) [sec]
Geographic coordinates (Greenwich) [deg]
Geographic coordinates (Greenwich) [deg,min]
Geographic coordinates (Greenwich) [deg,min,sec]
Cartesian coordinates
Reference Systems
ETRS89 (EU), geocentric, GRS80
ED50 (EU), Potsdam, Hayford/Int.
ED50 (North Sea <±2m), Potsdam, Hayford/Int.
ED50 (FR), Potsdam, Hayford/Int.
S42/83 (EU-E/AS[FSU] 1990 <±3m), Pulkovo, Krassowsky
Pulkovo1942(58) (EU-E <±1m), Pulkovo, Krassowsky
Pulkovo1942 (EU-E/AS[FSU] 2008 <±3m), Pulkovo, Krassowsky
Pulkovo1942 (EU-E/AS[FSU] no_defs), Pulkovo, Krassowsky
ED50 (North Sea <±2m), Potsdam, Hayford/Int.
Pulkovo1995 (EU-E/AS[FSU] 2008 <±1m), Pulkovo, Krassowsky
Pulkovo1995 (EU-E/AS[FSU] no_defs), Pulkovo, Krassowsky
PZ-90 Roßbach 2000 (Worldwide GLONASS), geoc., PZ-90
PZ-90 Roßbach 1996 (Worldwide GLONASS), geoc., PZ-90
PZ-90 Misra 1996 (Worldwide GLONASS), geoc., PZ-90
PZ-90 Boykov 1993 (Worldwide GLONASS), geoc., PZ-90
WGS84 (Worldwide GPS), geocentric, WGS84
WGS72 (Worldwide), geocentric, WGS72
WGS72BE (Worldwide), geocentric, WGS72
MGI (SI/HR/BA), Hermannskogel, Bessel
MGI (RS/ME/MK), Hermannskogel, Bessel
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

--- North American continent --

Canada Alberta (CA-AB)
Coordinate Systems
UTM coordinates (northern hemisphere)
CA Alberta 3TM (111.0W) Transverse Mercator
CA Alberta 3TM (114.0W) Transverse Mercator
CA Alberta 3TM (117.0W) Transverse Mercator

CA Alberta 3TM (120.0W) Transverse Mercator
CA Alberta 10TM (Forest) Transverse Mercator
CA Alberta 10TM (Resource) Transverse Mercator
Geographic coordinates (Greenwich) [deg]
Geographic coordinates (Greenwich) [deg,min]
Geographic coordinates (Greenwich) [deg,min,sec]
Cartesian coordinates
Reference Systems
NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
NAD83 (US+CA =WGS84=), geocentric, GRS80
NAD83(CSRS)v7 (US+CA), geocentric, GRS80
NAD83(CSRS)v6 (US+CA), geocentric, GRS80
NAD27 (CA-BC+AB <±8m), Kansas, Clarke
NAD83 (CA-AB NTv2 ABCSRSv7), geocentric, GRS80
NAD83(CSRS) (CA-AB NTv2 ABCSRSv7), geocentric, GRS80
NAD83 (CA-AB NTv2 ABCSRSv4), geocentric, GRS80
NAD83(CSRS) (CA-AB NTv2 ABCSRSv4), geocentric, GRS80
NAD27 (CA NTv2 NTV2_0 <±0.5m), Kansas, Clarke
NAD83 (CA NTv2 NTV2_0 <±0.5m), geocentric, GRS80
NAD27 (US+CA <±15m), Kansas, Clarke
WGS84 (Worldwide GPS), geocentric, WGS84
WGS72 (Worldwide), geocentric, WGS72
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

Canada British Columbia (CA-BC)
Coordinate Systems
UTM coordinates (northern hemisphere)
CA British Columbia (BC) Albers coordinates
Geographic coordinates (Greenwich) [deg]
Geographic coordinates (Greenwich) [deg,min]
Geographic coordinates (Greenwich) [deg,min,sec]
Cartesian coordinates
Reference Systems
NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
NAD83 (US+CA =WGS84=), geocentric, GRS80
NAD83(CSRS)v7 (US+CA), geocentric, GRS80
NAD83(CSRS)v6 (US+CA), geocentric, GRS80
NAD27 (CA-BC+AB <±8m), Kansas, Clarke
NAD27 (CA-BC NTv2 BC_27_98), Kansas, Clarke
NAD83(CSRS98) (CA-BC NTv2 BC_27_98), geocentric, GRS80
NAD27 (CA-BC NTv2 BC_27_05), Kansas, Clarke
NAD83(CSRS05) (CA-BC NTv2 BC_27_05), geocentric, GRS80
NAD83(NMIP93) (CA-BC NTv2 BC_93_98/BC_CSRS), geoc., GRS80
NAD83(CSRS98) (CA-BC NTv2 BC_93_98/BC_CSRS), geoc., GRS80
NAD83(NMIP93) (CA-BC NTv2 BC_93_05), geocentric, GRS80
NAD83(CSRS05) (CA-BC NTv2 BC_93_05), geocentric, GRS80
NAD27 (CA NTv2 NTV2_0 <±0.5m), Kansas, Clarke
NAD83 (CA NTv2 NTV2_0 <±0.5m), geocentric, GRS80
NAD27 (US+CA <±15m), Kansas, Clarke
WGS84 (Worldwide GPS), geocentric, WGS84
WGS72 (Worldwide), geocentric, WGS72
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

Canada Manitoba (CA-MB)
  Coordinate Systems
    UTM coordinates (northern hemisphere)
    CA MTM zone 15 Transverse Mercator coordinates
    CA MTM zone 16 Transverse Mercator coordinates
    CA MTM zone 17 Transverse Mercator coordinates
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
    NAD83 (US+CA =WGS84=), geocentric, GRS80
    NAD83(CSRS)v7 (US+CA), geocentric, GRS80
    NAD83(CSRS)v6 (US+CA), geocentric, GRS80
    NAD27 (CA-ON+MB <±9m), Kansas, Clarke
    NAD27 (US+CA <±15m), Kansas, Clarke
    NAD27 (CA NTv2 NTV2_0 <±0.5m), Kansas, Clarke
    NAD83 (CA NTv2 NTV2_0 <±0.5m), geocentric, GRS80
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

Canada New Brunswick (CA-NB)
  Coordinate Systems
    UTM coordinates (northern hemisphere)
    CA New Brunswick NAD83 Stereographic coordinates
    CA New Brunswick ATS77 Stereographic coordinates
    CA New Brunswick NAD27 Stereographic coordinates
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
    NAD83 (US+CA =WGS84=), geocentric, GRS80
    NAD83(CSRS)v7 (US+CA), geocentric, GRS80
    NAD83(CSRS)v6 (US+CA), geocentric, GRS80
    ATS77 (CA-NB <±2m KilletSoft), geocentric, ATS77
    NAD27 (CA-NL+PE+NS+NB+QC <±6m), Kansas, Clarke
    NAD27 (US+CA <±15m), Kansas, Clarke
    NAD27 (CA-NB NTv2 NB2783v2), Kansas, Clarke
    NAD83(CSRS) (CA-NB NTv2 NB2783v2), geocentric, GRS80
    ATS77 (CA-NB NTv2 NB7783v2), geocentric, ATS77
    NAD83(CSRS) (CA-NB NTv2 NB7783v2), geocentric, GRS80
    NAD27 (CA NTv2 NTV2_0 <±0.5m), Kansas, Clarke
    NAD83 (CA NTv2 NTV2_0 <±0.5m), geocentric, GRS80
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

Canada Newfoundland and Labrador (CA-NL)
  Coordinate Systems
    UTM coordinates (northern hemisphere)
    CA MTM zone 1 Transverse Mercator coordinates
    CA MTM zone 2 Transverse Mercator coordinates
    CA MTM zone 3 Transverse Mercator coordinates
    CA MTM zone 4 Transverse Mercator coordinates
    CA MTM zone 5 Transverse Mercator coordinates
    CA MTM zone 6 Transverse Mercator coordinates
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
    NAD83 (US+CA =WGS84=), geocentric, GRS80
    NAD83(CSRS)v7 (US+CA), geocentric, GRS80
    NAD83(CSRS)v6 (US+CA), geocentric, GRS80
    NAD27 (CA-NL+PE+NS+NB+QC <±6m), Kansas, Clarke
    NAD27 (US+CA <±15m), Kansas, Clarke
    NAD27 (CA-QC+NL NTv2 NA27NA83/QUE27-83), Kansas, Clarke
    NAD83 (CA-QC+NL NTv2 NA27NA83/QUE27-83), geocentric, GRS80
    NAD27 (CA-QC+NL NTv2 NA27SCRS/QUE27-98), Kansas, Clarke
    NAD83(SCRS) (CA-QC+NL NTv2 NA27SCRS/QUE27-98), geoc., GRS80
    NAD27(CGQ77) (CA-QC+NL NTv2 CQ77NA83/CGQ77-83), Kan., Clarke
    NAD83 (CA-QC+NL NTv2 CQ77NA83/CGQ77-83), geocentric, GRS80
    NAD27(CGQ77) (CA-QC+NL NTv2 CQ77SCRS/CGQ77-98), Kan., Clarke
    NAD83(SCRS) (CA-QC+NL NTv2 CQ77SCRS/CGQ77-98), geoc., GRS80
    NAD83 (CA-QC+NL NTv2 NA83SCRS/NAD83-98), geoc., GRS80
    NAD83(SCRS) (CA-QC+NL NTv2 NA83SCRS/NAD83-98), geoc., GRS80
    NAD83 (CA-NL NTv2 NLCSRSV4A), geocentric, GRS80
    NAD83(CSRS) (CA-NL NTv2 NLCSRSV4A), geocentric, GRS80
    NAD27 (CA NTv2 NTV2_0 <±0.5m), Kansas, Clarke
    NAD83 (CA NTv2 NTV2_0 <±0.5m), geocentric, GRS80
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

Canada Northwest Territories (CA-NT)
  Coordinate Systems
    UTM coordinates (northern hemisphere)
    CA Northwest Territories Lambert coordinates
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
    NAD83 (US+CA =WGS84=), geocentric, GRS80
    NAD83(CSRS)v7 (US+CA), geocentric, GRS80
    NAD83(CSRS)v6 (US+CA), geocentric, GRS80
    NAD27 (CA-NT+NU+SK <±5m), Kansas, Clarke
    NAD27 (US+CA <±15m), Kansas, Clarke

NAD27 (CA NTv2 NTV2_0 <±0.5m), Kansas, Clarke
NAD83 (CA NTv2 NTV2_0 <±0.5m), geocentric, GRS80
WGS84 (Worldwide GPS), geocentric, WGS84
WGS72 (Worldwide), geocentric, WGS72
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

Canada Nova Scotia (CA-NS)
  Coordinate Systems
    UTM coordinates (northern hemisphere)
    CA MTM zone 3 Transverse Mercator coordinates
    CA MTM Nova Scotia zone 4 Transv. Mercator
    CA MTM Nova Scotia zone 5 Transv. Mercator
    CA MTM Nova Scotia 1997 zone 4 Transv. Mercator
    CA MTM Nova Scotia 1997 zone 5 Transv. Mercator
    CA MTM Nova Scotia 2010 zone 4 Transv. Mercator
    CA MTM Nova Scotia 2010 zone 5 Transv. Mercator
    CA Quebec) Albers Equal Area coordinates
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
    NAD83 (US+CA =WGS84=), geocentric, GRS80
    NAD83(CSRS)v7 (US+CA), geocentric, GRS80
    NAD83(CSRS)v6 (US+CA), geocentric, GRS80
    ATS77 (CA-NS+PE <±1m KilletSoft), geocentric, ATS77
    NAD27 (CA-NL+PE+NS+NB+QC <±6m), Kansas, Clarke
    NAD27 (US+CA <±15m), Kansas, Clarke
    ATS77 (CA-NS NTv2 NS7783v2), geocentric, ATS77
    NAD83(CSRS98) (CA-NS NTv2 NS7783v2), geocentric, GRS80
    ATS77 (CA-NS NTv2 GS7783 ±2m ±2m), geocentric, ATS77
    NAD83 (CA-NS NTv2 GS7783 ±2m ±2m), geocentric, GRS80
    NAD27 (CA NTv2 NTV2_0 <±0.5m), Kansas, Clarke
    NAD83 (CA NTv2 NTV2_0 <±0.5m), geocentric, GRS80
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

Canada Nunavut (CA-NU)
  Coordinate Systems
    UTM coordinates (northern hemisphere)
    CA Northwest Territories Lambert coordinates
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
    NAD83 (US+CA =WGS84=), geocentric, GRS80
    NAD83(CSRS)v7 (US+CA), geocentric, GRS80
    NAD83(CSRS)v6 (US+CA), geocentric, GRS80

NAD27 (CA-NT+NU+SK <±5m), Kansas, Clarke
NAD27 (US+CA <±15m), Kansas, Clarke
NAD27 (CA NTv2 NTV2_0 <±0.5m), Kansas, Clarke
NAD83 (CA NTv2 NTV2_0 <±0.5m), geocentric, GRS80
WGS84 (Worldwide GPS), geocentric, WGS84
WGS72 (Worldwide), geocentric, WGS72
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

Canada Ontario (CA-ON)
  Coordinate Systems
    UTM coordinates (northern hemisphere)
    CA MTM zone 8 Transverse Mercator coordinates
    CA MTM zone 9 Transverse Mercator coordinates
    CA MTM zone 10 Transverse Mercator coordinates
    CA MTM zone 11 Transverse Mercator coordinates
    CA MTM zone 12 Transverse Mercator coordinates
    CA MTM zone 13 Transverse Mercator coordinates
    CA MTM zone 14 Transverse Mercator coordinates
    CA MTM zone 15 Transverse Mercator coordinates
    CA MTM zone 16 Transverse Mercator coordinates
    CA MTM zone 17 Transverse Mercator coordinates
    CA MNR Ontario Lambert (85.0W) coordinates
    CA Teranet Ontario Lambert (84.0W) coordinates
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
    NAD83 (US+CA =WGS84=), geocentric, GRS80
    NAD83(CSRS)v7 (US+CA), geocentric, GRS80
    NAD83(CSRS)v6 (US+CA), geocentric, GRS80
    NAD27 (CA-ON+MB <±9m), Kansas, Clarke
    NAD27 (US+CA <±15m), Kansas, Clarke
    NAD27(1974) (CA-ON NTv2 ON27CSv1), Kansas, Clarke
    NAD83(CSRS) (CA-ON NTv2 ON27CSv1), geocentric, GRS80
    NAD27(1976) (CA-ON NTv2 ON76CSv1), Kansas, Clarke
    NAD83(CSRS) (CA-ON NTv2 ON76CSv1), geocentric, GRS80
    NAD83(ORIG) (CA-ON NTv2 ON83CSv1), geocentric, GRS80
    NAD83(CSRS) (CA-ON NTv2 ON83CSv1), geocentric, GRS80
    NAD27(1976) (CA-ON NTv2 MAY76v20), Kansas, Clarke
    NAD83(ORIG) (CA-ON NTv2 MAY76v20), geocentric, GRS80
    NAD27 (CA NTv2 NTV2_0 <±0.5m), Kansas, Clarke
    NAD83 (CA NTv2 NTV2_0 <±0.5m), geocentric, GRS80
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

Canada Prince Edward Island (CA-PE)
  Coordinate Systems
    UTM coordinates (northern hemisphere)
    CA MTM zone 3 Transverse Mercator coordinates

CA Prince Edward Isl. NAD83 Stereographic coord.
CA Prince Edward Isl. ATS77 Stereographic coord.
Geographic coordinates (Greenwich) [deg]
Geographic coordinates (Greenwich) [deg,min]
Geographic coordinates (Greenwich) [deg,min,sec]
Cartesian coordinates
Reference Systems
NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
NAD83 (US+CA =WGS84=), geocentric, GRS80
NAD83(CSRS)v7 (US+CA), geocentric, GRS80
NAD83(CSRS)v6 (US+CA), geocentric, GRS80
ATS77 (CA-NS+PE <±1m KilletSoft), geocentric, ATS77
NAD27 (CA-NL+PE+NS+NB+QC <±6m), Kansas, Clarke
NAD27 (US+CA <±15m), Kansas, Clarke
ATS77 (CA-PE NTv2 PE7783v2), geocentric, ATS77
NAD83(CSRS98) (CA-PE NTv2 PE7783v2), geoc., GRS80
NAD27 (CA NTv2 NTV2_0 <±0.5m), Kansas, Clarke
NAD83 (CA NTv2 NTV2_0 <±0.5m), geocentric, GRS80
WGS84 (Worldwide GPS), geocentric, WGS84
WGS72 (Worldwide), geocentric, WGS72
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

Canada Quebec (CA-QC)
Coordinate Systems
UTM coordinates (northern hemisphere)
CA MTM Quebec zone 2 Transverse Mercator coord.
CA MTM zone 3 Transverse Mercator coordinates
CA MTM zone 4 Transverse Mercator coordinates
CA MTM zone 5 Transverse Mercator coordinates
CA MTM zone 6 Transverse Mercator coordinates
CA MTM zone 7 Transverse Mercator coordinates
CA MTM zone 8 Transverse Mercator coordinates
CA MTM zone 9 Transverse Mercator coordinates
CA MTM zone 10 Transverse Mercator coordinates
CA MTQ Quebec Lambert (70.0W) coordinates
CA Quebec Lambert (68.5W) coordinates
CA Quebec) Albers Equal Area coordinates
Geographic coordinates (Greenwich) [deg]
Geographic coordinates (Greenwich) [deg,min]
Geographic coordinates (Greenwich) [deg,min,sec]
Cartesian coordinates
Reference Systems
NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
NAD83 (US+CA =WGS84=), geocentric, GRS80
NAD83(CSRS)v7 (US+CA), geocentric, GRS80
NAD83(CSRS)v6 (US+CA), geocentric, GRS80
NAD27 (CA-NL+PE+NS+NB+QC <±6m), Kansas, Clarke
NAD27 (US+CA <±15m), Kansas, Clarke
NAD27 (CA-QC+NL NTv2 NA27NA83/QUE27-83), Kansas, Clarke
NAD83 (CA-QC+NL NTv2 NA27NA83/QUE27-83), geocentric, GRS80
NAD27 (CA-QC+NL NTv2 NA27SCRS/QUE27-98), Kansas, Clarke
NAD83(SCRS) (CA-QC+NL NTv2 NA27SCRS/QUE27-98), geoc., GRS80
NAD27(CGQ77) (CA-QC+NL NTv2 CQ77NA83/CGQ77-83), Kan., Clarke

NAD83 (CA-QC+NL NTv2 CQ77NA83/CGQ77-83), geocentric, GRS80
NAD27(CGQ77) (CA-QC+NL NTv2 CQ77SCRS/CGQ77-98), Kan., Clarke
NAD83(SCRS) (CA-QC+NL NTv2 CQ77SCRS/CGQ77-98), geoc., GRS80
NAD83 (CA-QC+NL NTv2 NA83SCRS/NAD83-98), geoc., GRS80
NAD83(SCRS) (CA-QC+NL NTv2 NA83SCRS/NAD83-98), geoc., GRS80
NAD27 (CA NTv2 NTV2_0 <±0.5m), Kansas, Clarke
NAD83 (CA NTv2 NTV2_0 <±0.5m), geocentric, GRS80
WGS84 (Worldwide GPS), geocentric, WGS84
WGS72 (Worldwide), geocentric, WGS72
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

Canada Saskatchewan (CA-SK)
  Coordinate Systems
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
    NAD83 (US+CA =WGS84=), geocentric, GRS80
    NAD83(CSRS)v7 (US+CA), geocentric, GRS80
    NAD83(CSRS)v6 (US+CA), geocentric, GRS80
    NAD27 (CA-NT+NU+SK <±5m), Kansas, Clarke
    NAD27 (US+CA <±15m), Kansas, Clarke
    NAD27 (CA-SK NTv2 SK27-83), Kansas, Clarke
    NAD83 (CA-SK NTv2 SK27-83), geocentric, GRS80
    NAD27 (CA-SK NTv2 SK27-98), Kansas, Clarke
    NAD83(CSRS98) (CA-SK NTv2 SK27-98), geocentric, GRS80
    NAD83 (CA-SK NTv2 SK83-98), geocentric, GRS80
    NAD83(CSRS98) (CA-SK NTv2 SK83-98), geocentric, GRS80
    NAD27 (CA NTv2 NTV2_0 <±0.5m), Kansas, Clarke
    NAD83 (CA NTv2 NTV2_0 <±0.5m), geocentric, GRS80
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

Canada Yukon (CA-YT)
  Coordinate Systems
    UTM coordinates (northern hemisphere)
    CA Yukon (YT) Albers coordinates
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
    NAD83 (US+CA =WGS84=), geocentric, GRS80
    NAD83(CSRS)v7 (US+CA), geocentric, GRS80
    NAD83(CSRS)v6 (US+CA), geocentric, GRS80
    NAD27 (CA-YT <±8m), Kansas, Clarke
    NAD27 (US+CA <±15m), Kansas, Clarke

NAD27 (CA NTv2 NTV2_0 <±0.5m), Kansas, Clarke
NAD83 (CA NTv2 NTV2_0 <±0.5m), geocentric, GRS80
WGS84 (Worldwide GPS), geocentric, WGS84
WGS72 (Worldwide), geocentric, WGS72
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

Canada Multinational Coordinate Systems
  Coordinate Systems
    UTM coordinates (northern hemisphere)
    Canada Statistics Lambert coordinates
    Canada Atlas Lambert coordinates
    Canada Albers Equal Area Conic coordinates
    North America Albers Equal Area coordinates
    CA MTM zone 1 Transverse Mercator coordinates
    CA MTM zone 2 Transverse Mercator coordinates
    CA MTM zone 3 Transverse Mercator coordinates
    CA MTM zone 4 Transverse Mercator coordinates
    CA MTM zone 5 Transverse Mercator coordinates
    CA MTM zone 6 Transverse Mercator coordinates
    CA MTM zone 7 Transverse Mercator coordinates
    CA MTM zone 8 Transverse Mercator coordinates
    CA MTM zone 9 Transverse Mercator coordinates
    CA MTM zone 10 Transverse Mercator coordinates
    CA MTM zone 11 Transverse Mercator coordinates
    CA MTM zone 12 Transverse Mercator coordinates
    CA MTM zone 13 Transverse Mercator coordinates
    CA MTM zone 14 Transverse Mercator coordinates
    CA MTM zone 15 Transverse Mercator coordinates
    CA MTM zone 16 Transverse Mercator coordinates
    CA MTM zone 17 Transverse Mercator coordinates
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    NAD27 (CA NTv2 NTV2_0 <±0.5m), Kansas, Clarke
    NAD83 (CA NTv2 NTV2_0 <±0.5m), geocentric, GRS80
    NAD83(CSRS)v7 (US+CA), geocentric, GRS80
    NAD83(CSRS)v6 (US+CA), geocentric, GRS80
    NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
    NAD83 (US+CA =WGS84=), geocentric, GRS80
    NAD83 (US+CA =ITRS86=), geocentric, GRS80
    NAD27 (US+CA <±15m), Kansas, Clarke
    NAD27 (CA-NL+PE+NS+NB+QC <±6m), Kansas, Clarke
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

French Saint-Pierre and Miquelon (FX)
  Coordinate Systems
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [gon]

Geographic coordinates (Greenwich) [deg]
Geographic coordinates (Greenwich) [deg,min]
Geographic coordinates (Greenwich) [deg,min,sec]
Cartesian coordinates
Reference Systems
RGSPM06 (FX), geocentric, GRS80
SPM1950 (FX), astron., Clarke
WGS84 (Worldwide GPS), geocentric, WGS84
NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
NAD83 (US+CA =WGS84=), geocentric, GRS80
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

GPS Measurements - ITRS epochs
Coordinate Systems
Geographic coordinates (Greenwich) [deg]
Geographic coordinates (Greenwich) [deg,min]
Geographic coordinates (Greenwich) [deg,min,sec]
UTM coordinates (northern hemisphere)
Cartesian coordinates
Reference Systems
NAD83 (US+CA =WGS84=), geocentric, GRS80
NAD83 (US+CA =ITRS86=), geocentric, GRS80
NAD83(NSRS 2007) (US), geocentric, GRS80
NAD83(NSRS 2011) (US), geocentric, GRS80
NAD83(CSRS)v7 (US+CA), geocentric, GRS80
NAD83(CSRS)v6 (US+CA), geocentric, GRS80
NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
NAD83(NSRS/CSRS) (US+CA ITRS epoch 1988), GRS80
ITRS24 (US+CA GPS measurements in license year 2024), WGS84
ITRS88 (US+CA GPS measurements epoch 1988), WGS84
ITRS89 (US+CA GPS measurements epoch 1989), WGS84
ITRS90 (US+CA GPS measurements epoch 1990), WGS84
ITRS91 (US+CA GPS measurements epoch 1991), WGS84
ITRS92 (US+CA GPS measurements epoch 1992), WGS84
ITRS93 (US+CA GPS measurements epoch 1993), WGS84
ITRS94 (US+CA GPS measurements epoch 1994), WGS84
ITRS95 (US+CA GPS measurements epoch 1995), WGS84
ITRS96 (US+CA GPS measurements epoch 1996), WGS84
ITRS97 (US+CA GPS measurements epoch 1997), WGS84
ITRS98 (US+CA GPS measurements epoch 1998), WGS84
ITRS99 (US+CA GPS measurements epoch 1999), WGS84
ITRS00 (US+CA GPS measurements epoch 2000), WGS84
ITRS01 (US+CA GPS measurements epoch 2001), WGS84
ITRS02 (US+CA GPS measurements epoch 2002), WGS84
ITRS03 (US+CA GPS measurements epoch 2003), WGS84
ITRS04 (US+CA GPS measurements epoch 2004), WGS84
ITRS05 (US+CA GPS measurements epoch 2005), WGS84
ITRS06 (US+CA GPS measurements epoch 2006), WGS84
ITRS07 (US+CA GPS measurements epoch 2007), WGS84
ITRS08 (US+CA GPS measurements epoch 2008), WGS84
ITRS09 (US+CA GPS measurements epoch 2009), WGS84
ITRS10 (US+CA GPS measurements epoch 2010), WGS84
ITRS11 (US+CA GPS measurements epoch 2011), WGS84

ITRS12 (US+CA GPS measurements epoch 2012), WGS84
ITRS13 (US+CA GPS measurements epoch 2013), WGS84
ITRS14 (US+CA GPS measurements epoch 2014), WGS84
ITRS15 (US+CA GPS measurements epoch 2015), WGS84
ITRS16 (US+CA GPS measurements epoch 2016), WGS84
ITRS17 (US+CA GPS measurements epoch 2017), WGS84
ITRS18 (US+CA GPS measurements epoch 2018), WGS84
ITRS19 (US+CA GPS measurements epoch 2019), WGS84
ITRS20 (US+CA GPS measurements epoch 2020), WGS84
ITRS21 (US+CA GPS measurements epoch 2021), WGS84
ITRS22 (US+CA GPS measurements epoch 2022), WGS84
ITRS23 (US+CA GPS measurements epoch 2023), WGS84
ITRS24 (US+CA GPS measurements epoch 2024), WGS84
ITRS25 (US+CA GPS measurements epoch 2025), WGS84
WGS84 (Worldwide GPS), geocentric, WGS84
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

USA Alabama (US-AL)
  Coordinate Systems
    US-SPCS 1983 (101) Alabama east Mercator coord.
    US-SPCS 1983 (102) Alabama west Mercator coord.
    US-SPCS 1927 (101) Alabama east Mercator coord.
    US-SPCS 1927 (102) Alabama west Mercator coord.
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
    NAD83(NSRS 2007) (US), geocentric, GRS80
    NAD83(NSRS 2011) (US), geocentric, GRS80
    NAD83 (US+CA =WGS84=), geocentric, GRS80
    NAD83(HARN) (US-AL NTv2 ALHPGN ±0.1m), geocentric, GRS80
    NAD83 (US-AL NTv2 ALHPGN ±0.1m), geocentric, GRS80
    NAD27 (US Conus), Meade's Ranch Kansas, Clarke
    NAD27 (US east), Meade's Ranch Kansas, Clarke
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

USA Alaska (US-AK)
  Coordinate Systems
    UTM coordinates (northern hemisphere)
    US-SPCS 1983 (5001) Alaska 1 Hotine Oblique Merc.
    US-SPCS 1983 (5002) Alaska 2 Transv. Mercator coord.
    US-SPCS 1983 (5003) Alaska 3 Transv. Mercator coord.
    US-SPCS 1983 (5004) Alaska 4 Transv. Mercator coord.
    US-SPCS 1983 (5005) Alaska 5 Transv. Mercator coord.
    US-SPCS 1983 (5006) Alaska 6 Transv. Mercator coord.
    US-SPCS 1983 (5007) Alaska 7 Transv. Mercator coord.
    US-SPCS 1983 (5008) Alaska 8 Transv. Mercator coord.

US-SPCS 1983 (5009) Alaska 9 Transv. Mercator coord.
US-SPCS 1983 (5010) Alaska 10 Lambert coordinates
US-SPCS 1927 (5001) Alaska 1 Hotine Oblique Merc.
US-SPCS 1927 (5002) Alaska 2 Transv. Mercator coord.
US-SPCS 1927 (5003) Alaska 3 Transv. Mercator coord.
US-SPCS 1927 (5004) Alaska 4 Transv. Mercator coord.
US-SPCS 1927 (5005) Alaska 5 Transv. Mercator coord.
US-SPCS 1927 (5006) Alaska 6 Transv. Mercator coord.
US-SPCS 1927 (5007) Alaska 7 Transv. Mercator coord.
US-SPCS 1927 (5008) Alaska 8 Transv. Mercator coord.
US-SPCS 1927 (5009) Alaska 9 Transv. Mercator coord.
US-SPCS 1927 (5010) Alaska 10 Lambert coordinates
Alaska Albers Equal Area Conic coordinates
Geographic coordinates (Greenwich) [deg]
Geographic coordinates (Greenwich) [deg,min]
Geographic coordinates (Greenwich) [deg,min,sec]
Cartesian coordinates
Reference Systems
NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
NAD83(NSRS 2007) (US), geocentric, GRS80
NAD83(NSRS 2011) (US), geocentric, GRS80
NAD83 (US+CA =WGS84=), geocentric, GRS80
NAD27 (US-AK), Meade's Ranch Kansas, Clarke
NAD27 (US-AK Aleutian east), Kansas, Clarke
NAD27 (US-AK Aleutian west), Kansas, Clarke
NAD27 (US Conus), Meade's Ranch Kansas, Clarke
NAD27 (US west), Meade's Ranch Kansas, Clarke
WGS84 (Worldwide GPS), geocentric, WGS84
WGS72 (Worldwide), geocentric, WGS72
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

USA American Samoa (US-AS)
Coordinate Systems
US-SPCS 1927 (5300) American Samoa Lambert coord.
UTM coordinates (northern hemisphere)
Geographic coordinates (Greenwich) [deg]
Geographic coordinates (Greenwich) [deg,min]
Geographic coordinates (Greenwich) [deg,min,sec]
Cartesian coordinates
Reference Systems
American Samoa 1962 (US-AS), Samoa, Clarke
NAD83(NSRS PA11) (US), geocentric, GRS80
NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
NAD83 (US+CA =WGS84=), geocentric, GRS80
NAD83(HARN) (US-AS[east] NTv2 ESHPGN ±0.1m), geocent., GRS80
NAD83 (US-AS[east] NTv2 ESHPGN ±0.1m), geocentric, GRS80
NAD83(HARN) (US-AS[west] NTv2 WSHPGN ±0.1m), geocent., GRS80
NAD83 (US-AS[west] NTv2 WSHPGN ±0.1m), geocentric, GRS80
NAD27 (US Conus), Meade's Ranch Kansas, Clarke
NAD27 (US west), Meade's Ranch Kansas, Clarke
WGS84 (Worldwide GPS), geocentric, WGS84
WGS72 (Worldwide), geocentric, WGS72
Source Reference System in an arbitrary NTv2 file

Target Reference System in an arbitrary NTv2 file

USA Arizona (US-AZ)
  Coordinate Systems
    US-SPCS 1983 (202) Arizona central Mercator coord.
    US-SPCS 1983 (201) Arizona east Mercator coord.
    US-SPCS 1983 (203) Arizona west Mercator coord.
    US-SPCS 1927 (202) Arizona central Mercator coord.
    US-SPCS 1927 (201) Arizona east Mercator coord.
    US-SPCS 1927 (203) Arizona west Mercator coord.
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
    NAD83(NSRS 2007) (US), geocentric, GRS80
    NAD83(NSRS 2011) (US), geocentric, GRS80
    NAD83 (US+CA =WGS84=), geocentric, GRS80
    NAD83(HARN) (US-AZ NTv2 AZHPGN ±0.1m), geocentric, GRS80
    NAD83 (US-AZ NTv2 AZHPGN ±0.1m), geocentric, GRS80
    NAD27 (US Conus), Meade's Ranch Kansas, Clarke
    NAD27 (US west), Meade's Ranch Kansas, Clarke
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

USA Arkansas (US-AR)
  Coordinate Systems
    US-SPCS 1983 (301) Arkansas north Lambert coord.
    US-SPCS 1983 (302) Arkansas south Lambert coord.
    US-SPCS 1927 (301) Arkansas north Lambert coord.
    US-SPCS 1927 (302) Arkansas south Lambert coord.
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
    NAD83(NSRS 2007) (US), geocentric, GRS80
    NAD83(NSRS 2011) (US), geocentric, GRS80
    NAD83 (US+CA =WGS84=), geocentric, GRS80
    NAD83(HARN) (US-AR NTv2 ARHPGN ±0.1m), geocentric, GRS80
    NAD83 (US-AR NTv2 ARHPGN ±0.1m), geocentric, GRS80
    NAD27 (US Conus), Meade's Ranch Kansas, Clarke
    NAD27 (US east), Meade's Ranch Kansas, Clarke
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

USA California (US-CA)
  Coordinate Systems
    US-SPCS 1983 (401) California zone 1 Lambert coord.
    US-SPCS 1983 (402) California zone 2 Lambert coord.
    US-SPCS 1983 (403) California zone 3 Lambert coord.
    US-SPCS 1983 (404) California zone 4 Lambert coord.
    US-SPCS 1983 (405) California zone 5 Lambert coord.
    US-SPCS 1983 (406) California zone 6 Lambert coord.
    US-SPCS 1927 (401) California Zone I Lambert coord.
    US-SPCS 1927 (402) California zone II Lambert coord.
    US-SPCS 1927 (403) California zone III Lambert coord.
    US-SPCS 1927 (404) California zone IV Lambert coord.
    US-SPCS 1927 (405) California zone V Lambert coord.
    US-SPCS 1927 (406) California zone VI Lambert coord.
    US-SPCS 1927 (407) California zone VII Lambert coord.
    US California Albers Equal Area coordinates
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
    NAD83(NSRS 2007) (US), geocentric, GRS80
    NAD83(NSRS 2011) (US), geocentric, GRS80
    NAD83 (US+CA =WGS84=), geocentric, GRS80
    NAD83(HARN) (US-CA[north] NTv2 CNHPGN ±0.1m), geoc., GRS80
    NAD83 (US-CA[north] NTv2 CNHPGN ±0.1m), geocentric, GRS80
    NAD83(HARN) (US-CA[south] NTv2 CSHPGN ±0.1m), geoc., GRS80
    NAD83 (US-CA[south] NTv2 CSHPGN ±0.1m), geocentric, GRS80
    NAD27 (US Conus), Meade's Ranch Kansas, Clarke
    NAD27 (US west), Meade's Ranch Kansas, Clarke
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

USA Colorado (US-CO)
  Coordinate Systems
    US-SPCS 1983 (502) Colorado central Lambert coord.
    US-SPCS 1983 (501) Colorado north Lambert coord.
    US-SPCS 1983 (503) Colorado south Lambert coord.
    US-SPCS 1927 (502) Colorado central Lambert coord.
    US-SPCS 1927 (501) Colorado north Lambert coord.
    US-SPCS 1927 (503) Colorado south Lambert coord.
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
    NAD83(NSRS 2007) (US), geocentric, GRS80
    NAD83(NSRS 2011) (US), geocentric, GRS80

NAD83 (US+CA =WGS84=), geocentric, GRS80
NAD83(HARN) (US-CO NTv2 COHPGN ±0.1m), geocentric, GRS80
NAD83 (US-CO NTv2 COHPGN ±0.1m), geocentric, GRS80
NAD27 (US Conus), Meade's Ranch Kansas, Clarke
NAD27 (US west), Meade's Ranch Kansas, Clarke
WGS84 (Worldwide GPS), geocentric, WGS84
WGS72 (Worldwide), geocentric, WGS72
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

USA Connecticut (US-CT)
  Coordinate Systems
    US-SPCS 1983 (600) Connecticut Lambert coordinates
    US-SPCS 1927 (600) Connecticut Lambert coordinates
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
    NAD83(NSRS 2007) (US), geocentric, GRS80
    NAD83(NSRS 2011) (US), geocentric, GRS80
    NAD83 (US+CA =WGS84=), geocentric, GRS80
    NAD83(HARN) (US-CT,MA,RI,NH,VT NTv2 NEHPGN ±0.1m), gc, GRS80
    NAD83 (US-CT,MA,RI,NH,VT NTv2 NEHPGN ±0.1m), geoc., GRS80
    NAD27 (US Conus), Meade's Ranch Kansas, Clarke
    NAD27 (US east), Meade's Ranch Kansas, Clarke
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

USA Delaware (US-DE)
  Coordinate Systems
    US-SPCS 1983 (700) Delaware Transv. Mercator coord.
    US-SPCS 1927 (700) Delaware Transv. Mercator coord.
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
    NAD83(NSRS 2007) (US), geocentric, GRS80
    NAD83(NSRS 2011) (US), geocentric, GRS80
    NAD83 (US+CA =WGS84=), geocentric, GRS80
    NAD83(HARN) (US-MD,DE NTv2 MDHPGN ±0.1m), geocentric, GRS80
    NAD83 (US-MD,DE NTv2 MDHPGN ±0.1m), geocentric, GRS80
    NAD27 (US Conus), Meade's Ranch Kansas, Clarke
    NAD27 (US east), Meade's Ranch Kansas, Clarke
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    Source Reference System in an arbitrary NTv2 file

Target Reference System in an arbitrary NTv2 file

USA Florida (US-FL)
  Coordinate Systems
    US-SPCS 1983 (901) Florida east Mercator coord.
    US-SPCS 1983 (903) Florida north Lambert coord.
    US-SPCS 1983 (902) Florida west Mercator coord.
    US-SPCS 1927 (901) Florida east Mercator coord.
    US-SPCS 1927 (903) Florida north Lambert coord.
    US-SPCS 1927 (902) Florida west Mercator coord.
    US Florida GDL Albers Equal Area coordinates
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
    NAD83(NSRS 2007) (US), geocentric, GRS80
    NAD83(NSRS 2011) (US), geocentric, GRS80
    NAD83 (US+CA =WGS84=), geocentric, GRS80
    NAD83(HARN) (US-FL NTv2 FLHPGN ±0.1m), geocentric, GRS80
    NAD83 (US-FL NTv2 FLHPGN ±0.1m), geocentric, GRS80
    NAD27 (US Conus), Meade's Ranch Kansas, Clarke
    NAD27 (US east), Meade's Ranch Kansas, Clarke
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

USA Georgia (US-GA)
  Coordinate Systems
    US-SPCS 1983 (1001) Georgia east Mercator coord.
    US-SPCS 1983 (1002) Georgia west Mercator coord.
    US-SPCS 1927 (1001) Georgia east Mercator coord.
    US-SPCS 1927 (1002) Georgia west Mercator coord.
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
    NAD83(NSRS 2007) (US), geocentric, GRS80
    NAD83(NSRS 2011) (US), geocentric, GRS80
    NAD83 (US+CA =WGS84=), geocentric, GRS80
    NAD83(HARN) (US-GA NTv2 GAHPGN ±0.1m), geocentric, GRS80
    NAD83 (US-GA NTv2 GAHPGN ±0.1m), geocentric, GRS80
    NAD27 (US Conus), Meade's Ranch Kansas, Clarke
    NAD27 (US east), Meade's Ranch Kansas, Clarke
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

USA Hawaii (US-HI)
  Coordinate Systems
    UTM coordinates (northern hemisphere)
    US-SPCS 1983 (5101) Hawaii 1 Transv. Mercator coord.
    US-SPCS 1983 (5102) Hawaii 2 Transv. Mercator coord.
    US-SPCS 1983 (5103) Hawaii 3 Transv. Mercator coord.
    US-SPCS 1983 (5104) Hawaii 4 Transv. Mercator coord.
    US-SPCS 1983 (5105) Hawaii 5 Transv. Mercator coord.
    US-SPCS 1927 (5101) Hawaii 1 Transv. Mercator coord.
    US-SPCS 1927 (5102) Hawaii 2 Transv. Mercator coord.
    US-SPCS 1927 (5103) Hawaii 3 Transv. Mercator coord.
    US-SPCS 1927 (5104) Hawaii 4 Transv. Mercator coord.
    US-SPCS 1927 (5105) Hawaii 5 Transv. Mercator coord.
    Hawaii Albers Equal Area Conic coordinates
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
    NAD83(NSRS PA11) (US), geocentric, GRS80
    NAD83(NSRS 2007) (US), geocentric, GRS80
    NAD83(NSRS 2011) (US), geocentric, GRS80
    NAD83 (US+CA =WGS84=), geocentric, GRS80
    NAD83(HARN) (US-HI NTv2 HIHPGN ±0.1m), geocentric, GRS80
    NAD83 (US-HI NTv2 HIHPGN ±0.1m), geocentric, GRS80
    Old Hawaiian mean (US-HI), Oahu, Clarke
    Tern Isl. 1961 (US-HI <±25m), Sorol Atoll, Hayford/Int.
    NAD27 (US Conus), Meade's Ranch Kansas, Clarke
    NAD27 (US west), Meade's Ranch Kansas, Clarke
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

USA Idaho (US-ID)
  Coordinate Systems
    US-SPCS 1983 (1102) Idaho central Mercator coord.
    US-SPCS 1983 (1101) Idaho east Transv. Mercator
    US-SPCS 1927 (1102) Idaho central Mercator coord.
    US-SPCS 1927 (1101) Idaho east Transv. Mercator
    US-SPCS 1983 (1103) Idaho west Transv. Mercator
    US-SPCS 1927 (1103) Idaho west Transv. Mercator
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
    NAD83(NSRS 2007) (US), geocentric, GRS80
    NAD83(NSRS 2011) (US), geocentric, GRS80
    NAD83 (US+CA =WGS84=), geocentric, GRS80

NAD83(HARN) (US-ID,MT[east] NTv2 EMHPGN ±0.1m), geoc., GRS80
NAD83 (US-ID,MT[east] NTv2 EMHPGN ±0.1m), geocentric, GRS80
NAD83(HARN) (US-ID,MT[west] NTv2 WMHPGN ±0.1m), geoc., GRS80
NAD83 (US-ID,MT[west] NTv2 WMHPGN ±0.1m), geocentric, GRS80
NAD27 (US Conus), Meade's Ranch Kansas, Clarke
NAD27 (US west), Meade's Ranch Kansas, Clarke
WGS84 (Worldwide GPS), geocentric, WGS84
WGS72 (Worldwide), geocentric, WGS72
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

USA Illinois (US-IL)
 Coordinate Systems
   US-SPCS 1983 (1201) Illinois east Mercator coord.
   US-SPCS 1983 (1202) Illinois west Mercator coord.
   US-SPCS 1927 (1201) Illinois east Mercator coord.
   US-SPCS 1927 (1202) Illinois west Mercator coord.
   UTM coordinates (northern hemisphere)
   Geographic coordinates (Greenwich) [deg]
   Geographic coordinates (Greenwich) [deg,min]
   Geographic coordinates (Greenwich) [deg,min,sec]
   Cartesian coordinates
 Reference Systems
   NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
   NAD83(NSRS 2007) (US), geocentric, GRS80
   NAD83(NSRS 2011) (US), geocentric, GRS80
   NAD83 (US+CA =WGS84=), geocentric, GRS80
   NAD83(HARN) (US-IL NTv2 ILHPGN ±0.1m), geocentric, GRS80
   NAD83 (US-IL NTv2 ILHPGN ±0.1m), geocentric, GRS80
   NAD27 (US Conus), Meade's Ranch Kansas, Clarke
   NAD27 (US east), Meade's Ranch Kansas, Clarke
   WGS84 (Worldwide GPS), geocentric, WGS84
   WGS72 (Worldwide), geocentric, WGS72
   Source Reference System in an arbitrary NTv2 file
   Target Reference System in an arbitrary NTv2 file

USA Indiana (US-IN)
 Coordinate Systems
   US-SPCS 1983 (1301) Indiana east Mercator coord.
   US-SPCS 1983 (1302) Indiana west Mercator coord.
   US-SPCS 1927 (1301) Indiana east Mercator coord.
   US-SPCS 1927 (1302) Indiana west Mercator coord.
   UTM coordinates (northern hemisphere)
   Geographic coordinates (Greenwich) [deg]
   Geographic coordinates (Greenwich) [deg,min]
   Geographic coordinates (Greenwich) [deg,min,sec]
   Cartesian coordinates
 Reference Systems
   NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
   NAD83(NSRS 2007) (US), geocentric, GRS80
   NAD83(NSRS 2011) (US), geocentric, GRS80
   NAD83 (US+CA =WGS84=), geocentric, GRS80
   NAD83(HARN) (US-IN NTv2 INHPGN ±0.1m), geocentric, GRS80
   NAD83 (US-IN NTv2 INHPGN ±0.1m), geocentric, GRS80

NAD27 (US Conus), Meade's Ranch Kansas, Clarke
NAD27 (US east), Meade's Ranch Kansas, Clarke
WGS84 (Worldwide GPS), geocentric, WGS84
WGS72 (Worldwide), geocentric, WGS72
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

USA Iowa (US-IA)
  Coordinate Systems
    US-SPCS 1983 (1401) Iowa north Lambert coordinates
    US-SPCS 1983 (1402) Iowa south Lambert coordinates
    US-SPCS 1927 (1401) Iowa north Lambert coordinates
    US-SPCS 1927 (1402) Iowa south Lambert coordinates
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
    NAD83(NSRS 2007) (US), geocentric, GRS80
    NAD83(NSRS 2011) (US), geocentric, GRS80
    NAD83 (US+CA =WGS84=), geocentric, GRS80
    NAD83(HARN) (US-IA NTv2 IAHPGN ±0.1m), geocentric, GRS80
    NAD83 (US-IA NTv2 IAHPGN ±0.1m), geocentric, GRS80
    NAD27 (US Conus), Meade's Ranch Kansas, Clarke
    NAD27 (US east), Meade's Ranch Kansas, Clarke
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

USA Kansas (US-KS)
  Coordinate Systems
    US-SPCS 1983 (1501) Kansas north Lambert coord.
    US-SPCS 1983 (1502) Kansas south Lambert coord.
    US-SPCS 1927 (1501) Kansas north Lambert coord.
    US-SPCS 1927 (1502) Kansas south Lambert coord.
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
    NAD83(NSRS 2007) (US), geocentric, GRS80
    NAD83(NSRS 2011) (US), geocentric, GRS80
    NAD83 (US+CA =WGS84=), geocentric, GRS80
    NAD83(HARN) (US-KS NTv2 KSHPGN ±0.1m), geocentric, GRS80
    NAD83 (US-KS NTv2 KSHPGN ±0.1m), geocentric, GRS80
    NAD27 (US Conus), Meade's Ranch Kansas, Clarke
    NAD27 (US west), Meade's Ranch Kansas, Clarke
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72

Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

USA Kentucky (US-KY)
  Coordinate Systems
    US-SPCS 1983 Kentucky Single Zone Lambert coord.
    US-SPCS 1983 (1601) Kentucky north Lambert coord.
    US-SPCS 1983 (1602) Kentucky south Lambert coord.
    US-SPCS 1927 (1601) Kentucky north Lambert coord.
    US-SPCS 1927 (1602) Kentucky south Lambert coord.
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
    NAD83(NSRS 2007) (US), geocentric, GRS80
    NAD83(NSRS 2011) (US), geocentric, GRS80
    NAD83 (US+CA =WGS84=), geocentric, GRS80
    NAD83(HARN) (US-KY NTv2 KYHPGN ±0.1m), geocentric, GRS80
    NAD83 (US-KY NTv2 KYHPGN ±0.1m), geocentric, GRS80
    NAD27 (US Conus), Meade's Ranch Kansas, Clarke
    NAD27 (US east), Meade's Ranch Kansas, Clarke
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

USA Louisiana (US-LA)
  Coordinate Systems
    US-SPCS 1983 (1701) Louisiana north Lambert coord.
    US-SPCS 1983 (1703) Louisiana offshore Lambert coord.
    US-SPCS 1983 (1702) Louisiana south Lambert coord.
    US-SPCS 1927 (1701) Louisiana north Lambert coord.
    US-SPCS 1927 (1703) Louisiana offshore Lambert coord.
    US-SPCS 1927 (1702) Louisiana south Lambert coord.
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
    NAD83(NSRS 2007) (US), geocentric, GRS80
    NAD83(NSRS 2011) (US), geocentric, GRS80
    NAD83 (US+CA =WGS84=), geocentric, GRS80
    NAD83(HARN) (US-LA NTv2 LAHPGN ±0.1m), geocentric, GRS80
    NAD83 (US-LA NTv2 LAHPGN ±0.1m), geocentric, GRS80
    NAD27 (US Conus), Meade's Ranch Kansas, Clarke
    NAD27 (US east), Meade's Ranch Kansas, Clarke
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    Source Reference System in an arbitrary NTv2 file

Target Reference System in an arbitrary NTv2 file

USA Maine (US-ME)
  Coordinate Systems
    US-SPCS 1983 (1801) Maine east Transv. Mercator
    US-SPCS 1983 (1802) Maine west Transv. Mercator
    US-SPCS 1927 (1801) Maine east Transv. Mercator
    US-SPCS 1927 (1802) Maine west Transv. Mercator
    US-SPCS 1983 Maine CS2000 East Transv. Mercator
    US-SPCS 1983 Maine CS2000 Central Transv. Mercator
    US-SPCS 1983 Maine CS2000 West Transv. Mercator
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
    NAD83(NSRS 2007) (US), geocentric, GRS80
    NAD83(NSRS 2011) (US), geocentric, GRS80
    NAD83 (US+CA =WGS84=), geocentric, GRS80
    NAD83(HARN) (US-ME NTv2 MEHPGN ±0.1m), geocentric, GRS80
    NAD83 (US-ME NTv2 MEHPGN ±0.1m), geocentric, GRS80
    NAD27 (US Conus), Meade's Ranch Kansas, Clarke
    NAD27 (US east), Meade's Ranch Kansas, Clarke
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

USA Maryland (US-MD)
  Coordinate Systems
    US-SPCS 1983 (1900) Maryland Lambert coordinates
    US-SPCS 1927 (1900) Maryland Lambert coordinates
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
    NAD83(NSRS 2007) (US), geocentric, GRS80
    NAD83(NSRS 2011) (US), geocentric, GRS80
    NAD83 (US+CA =WGS84=), geocentric, GRS80
    NAD83(HARN) (US-MD,DE NTv2 MDHPGN ±0.1m), geocentric, GRS80
    NAD83 (US-MD,DE NTv2 MDHPGN ±0.1m), geocentric, GRS80
    NAD27 (US Conus), Meade's Ranch Kansas, Clarke
    NAD27 (US east), Meade's Ranch Kansas, Clarke
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

USA Massachusetts (US-MA)

Coordinate Systems
  US-SPCS 1983 (2002) Massachusetts island Lambert
  US-SPCS 1983 (2001) Massachusetts mainland Lambert
  US-SPCS 1927 (2002) Massachusetts island Lambert
  US-SPCS 1927 (2001) Massachusetts mainland Lambert
  UTM coordinates (northern hemisphere)
  Geographic coordinates (Greenwich) [deg]
  Geographic coordinates (Greenwich) [deg,min]
  Geographic coordinates (Greenwich) [deg,min,sec]
  Cartesian coordinates
Reference Systems
  NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
  NAD83(NSRS 2007) (US), geocentric, GRS80
  NAD83(NSRS 2011) (US), geocentric, GRS80
  NAD83 (US+CA =WGS84=), geocentric, GRS80
  NAD83(HARN) (US-CT,MA,RI,NH,VT NTv2 NEHPGN ±0.1m), gc, GRS80
  NAD83 (US-CT,MA,RI,NH,VT NTv2 NEHPGN ±0.1m), geoc., GRS80
  NAD27 (US Conus), Meade's Ranch Kansas, Clarke
  NAD27 (US east), Meade's Ranch Kansas, Clarke
  WGS84 (Worldwide GPS), geocentric, WGS84
  WGS72 (Worldwide), geocentric, WGS72
  Source Reference System in an arbitrary NTv2 file
  Target Reference System in an arbitrary NTv2 file

USA Michigan (US-MI)
  Coordinate Systems
  US-SPCS 1983 Michigan Oblique Mercator coordinates
  US-SPCS 1983 (2111) Michigan north Lambert coord.
  US-SPCS 1983 (2112) Michigan central Lambert coord.
  US-SPCS 1983 (2113) Michigan south Lambert coord.
  US-SPCS 1927 (2111) Michigan north Lambert coord.
  US-SPCS 1927 (2112) Michigan central Lambert coord.
  US-SPCS 1927 (2113) Michigan south Lambert coord.
  US-SPCS 1927 (2101) Michigan east Mercator coord.
  US-SPCS 1927 (2102) Michigan central Mercator coord.
  US-SPCS 1927 (2103) Michigan west Mercator coord.
  UTM coordinates (northern hemisphere)
  Geographic coordinates (Greenwich) [deg]
  Geographic coordinates (Greenwich) [deg,min]
  Geographic coordinates (Greenwich) [deg,min,sec]
  Cartesian coordinates
  Reference Systems
  NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
  NAD83(NSRS 2007) (US), geocentric, GRS80
  NAD83(NSRS 2011) (US), geocentric, GRS80
  NAD83 (US+CA =WGS84=), geocentric, GRS80
  NAD83(HARN) (US-MI NTv2 MIHPGN ±0.1m), geocentric, GRS80
  NAD83 (US-MI NTv2 MIHPGN ±0.1m), geocentric, GRS80
  NAD27 (US Conus), Meade's Ranch Kansas, Clarke
  NAD27 (US east), Meade's Ranch Kansas, Clarke
  WGS84 (Worldwide GPS), geocentric, WGS84
  WGS72 (Worldwide), geocentric, WGS72
  Source Reference System in an arbitrary NTv2 file
  Target Reference System in an arbitrary NTv2 file

USA Minnesota (US-MN) - General
  Coordinate Systems
    US-SPCS 1983 (2202) Minnesota central Lambert coord.
    US-SPCS 1983 (2201) Minnesota north Lambert coord.
    US-SPCS 1983 (2203) Minnesota south Lambert coord.
    US-SPCS 1927 (2202) Minnesota central Lambert coord.
    US-SPCS 1927 (2201) Minnesota north Lambert coord.
    US-SPCS 1927 (2203) Minnesota south Lambert coord.
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    NAD83(NSRS 2011) (US), geocentric, GRS80
    NAD83(NSRS 2007) (US), geocentric, GRS80
    NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
    NAD83 (US+CA =WGS84=), geocentric, GRS80
    NAD83(HARN) (US-MN NTv2 MNHPGN ±0.1m), geocentric, GRS80
    NAD83 (US-MN NTv2 MNHPGN ±0.1m), geocentric, GRS80
    NAD27 (US Conus), Meade's Ranch Kansas, Clarke
    NAD27 (US east), Meade's Ranch Kansas, Clarke
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

USA Minnesota (US-MN) - Counties
  Coordinate Systems
    Minnesota County Aitkin Transverse Mercator coordinates
    Minnesota County Anoka Lambert coordinates
    Minnesota County Becker Lambert coordinates
    Minnesota County Beltrami/North Lambert coordinates
    Minnesota County Beltrami/South Lambert coordinates
    Minnesota County Benton Lambert coordinates
    Minnesota County Big Stone Lambert coordinates
    Minnesota County Blue Earth Lambert coordinates
    Minnesota County Brown Lambert coordinates
    Minnesota County Carlton Lambert coordinates
    Minnesota County Carver Lambert coordinates
    Minnesota County Cass/North Lambert coordinates
    Minnesota County Cass/South Lambert coordinates
    Minnesota County Chippewa Lambert coordinates
    Minnesota County Chisago Lambert coordinates
    Minnesota County Clay Transverse Mercator coordinates
    Minnesota County Clearwater Transverse Mercator coordinates
    Minnesota County Cook/North Lambert coordinates
    Minnesota County Cook/South Lambert coordinates
    Minnesota County Cottonwood Lambert coordinates
    Minnesota County Crow Wing Lambert coordinates
    Minnesota County Dakota Lambert coordinates
    Minnesota County Dodge Lambert coordinates
    Minnesota County Douglas Lambert coordinates

Minnesota County Faribault Lambert coordinates
Minnesota County Fillmore Lambert coordinates
Minnesota County Freeborn Lambert coordinates
Minnesota County Goodhue Lambert coordinates
Minnesota County Grant Lambert coordinates
Minnesota County Hennepin Lambert coordinates
Minnesota County Houston Lambert coordinates
Minnesota County Hubbard Transverse Mercator coordinates
Minnesota County Isanti Lambert coordinates
Minnesota County Itasca/North Lambert coordinates
Minnesota County Itasca/South Lambert coordinates
Minnesota County Jackson Lambert coordinates
Minnesota County Kanabec Lambert coordinates
Minnesota County Kandiyohi Lambert coordinates
Minnesota County Kittson Lambert coordinates
Minnesota County Koochiching Lambert coordinates
Minnesota County Lac Qui Parle Lambert coordinates
Minnesota County Lake Transverse Mercator coordinates
Minnesota County Lake of the Woods/North Lambert coordinates
Minnesota County Lake of the Woods/South Lambert coordinates
Minnesota County Le Sueur Lambert coordinates
Minnesota County Lincoln Lambert coordinates
Minnesota County Lyon Lambert coordinates
Minnesota County Mahnomen Lambert coordinates
Minnesota County Marshall Lambert coordinates
Minnesota County Martin Lambert coordinates
Minnesota County McLeod Lambert coordinates
Minnesota County Meeker Lambert coordinates
Minnesota County Mille Lacs Transverse Mercator coordinates
Minnesota County Morrison Lambert coordinates
Minnesota County Mower Lambert coordinates
Minnesota County Murray Lambert coordinates
Minnesota County Nicollet Lambert coordinates
Minnesota County Nobles Lambert coordinates
Minnesota County Norman Lambert coordinates
Minnesota County Olmsted Lambert coordinates
Minnesota County Otter Tail Lambert coordinates
Minnesota County Pennington Lambert coordinates
Minnesota County Pine Lambert coordinates
Minnesota County Pipestone Lambert coordinates
Minnesota County Polk Lambert coordinates
Minnesota County Pope Lambert coordinates
Minnesota County Ramsey Lambert coordinates
Minnesota County Red Lake Lambert coordinates
Minnesota County Redwood Lambert coordinates
Minnesota County Renville Lambert coordinates
Minnesota County Rice Lambert coordinates
Minnesota County Rock Lambert coordinates
Minnesota County Roseau Lambert coordinates
Minnesota County Scott Lambert coordinates
Minnesota County Sherburne Lambert coordinates
Minnesota County Sibley Lambert coordinates
Minnesota County St. Louis/Central Lambert coordinates
Minnesota County St. Louis/North Lambert coordinates

Minnesota County St. Louis/South Lambert coordinates
Minnesota County Stearns Lambert coordinates
Minnesota County Steele Lambert coordinates
Minnesota County Stevens Lambert coordinates
Minnesota County Swift Lambert coordinates
Minnesota County Todd Lambert coordinates
Minnesota County Traverse Lambert coordinates
Minnesota County Wabasha Lambert coordinates
Minnesota County Wadena Lambert coordinates
Minnesota County Waseca Lambert coordinates
Minnesota County Washington Transverse Mercator coordinates
Minnesota County Watonwan Lambert coordinates
Minnesota County Wilkin Transverse Mercator coordinates
Minnesota County Winona Lambert coordinates
Minnesota County Wright Lambert coordinates
Minnesota County Yellow Medicine Lambert coordinates
Geographic coordinates (Greenwich) [deg]
Geographic coordinates (Greenwich) [deg,min]
Geographic coordinates (Greenwich) [deg,min,sec]
Cartesian coordinates
Reference Systems
NAD83(NSRS 2011) (US), geocentric, GRS80
NAD83(NSRS 2007) (US), geocentric, GRS80
NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
NAD83 (US+CA =WGS84=), geocentric, GRS80
NAD83(HARN) (US-MN NTv2 MNHPGN ±0.1m), geocentric, GRS80
NAD83 (US-MN NTv2 MNHPGN ±0.1m), geocentric, GRS80
WGS84 (Worldwide GPS), geocentric, WGS84
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

USA Mississippi (US-MS)
Coordinate Systems
US-SPCS 1983 Mississippi Transverse Mercator
US-SPCS 1983 (2301) Mississippi east Mercator coord.
US-SPCS 1983 (2302) Mississippi west Mercator coord.
US-SPCS 1927 (2301) Mississippi east Mercator coord.
US-SPCS 1927 (2302) Mississippi west Mercator coord.
UTM coordinates (northern hemisphere)
Geographic coordinates (Greenwich) [deg]
Geographic coordinates (Greenwich) [deg,min]
Geographic coordinates (Greenwich) [deg,min,sec]
Cartesian coordinates
Reference Systems
NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
NAD83(NSRS 2007) (US), geocentric, GRS80
NAD83(NSRS 2011) (US), geocentric, GRS80
NAD83 (US+CA =WGS84=), geocentric, GRS80
NAD83(HARN) (US-MS NTv2 MSHPGN ±0.1m), geocentric, GRS80
NAD83 (US-MS NTv2 MSHPGN ±0.1m), geocentric, GRS80
NAD27 (US Conus), Meade's Ranch Kansas, Clarke
NAD27 (US east), Meade's Ranch Kansas, Clarke
WGS84 (Worldwide GPS), geocentric, WGS84
WGS72 (Worldwide), geocentric, WGS72

Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

USA Missouri (US-MO)
  Coordinate Systems
    US-SPCS 1983 (2401) Missouri east Mercator coord.
    US-SPCS 1983 (2402) Missouri central Mercator coord.
    US-SPCS 1983 (2403) Missouri west Mercator coord.
    US-SPCS 1927 (2401) Missouri east Mercator coord.
    US-SPCS 1927 (2402) Missouri central Mercator coord.
    US-SPCS 1927 (2403) Missouri west Mercator coord.
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
    NAD83(NSRS 2007) (US), geocentric, GRS80
    NAD83(NSRS 2011) (US), geocentric, GRS80
    NAD83 (US+CA =WGS84=), geocentric, GRS80
    NAD83(HARN) (US-MO NTv2 MOHPGN ±0.1m), geocentric, GRS80
    NAD83 (US-MO NTv2 MOHPGN ±0.1m), geocentric, GRS80
    NAD27 (US Conus), Meade's Ranch Kansas, Clarke
    NAD27 (US east), Meade's Ranch Kansas, Clarke
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

USA Montana (US-MT)
  Coordinate Systems
    US-SPCS 1983 (2500) Montana Lambert coordinates
    US-SPCS 1927 (2501) Montana north Lambert coord.
    US-SPCS 1927 (2502) Montana central Lambert coord.
    US-SPCS 1927 (2503) Montana south Lambert coord.
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
    NAD83(NSRS 2007) (US), geocentric, GRS80
    NAD83(NSRS 2011) (US), geocentric, GRS80
    NAD83 (US+CA =WGS84=), geocentric, GRS80
    NAD83(HARN) (US-ID,MT[east] NTv2 EMHPGN ±0.1m), geoc., GRS80
    NAD83 (US-ID,MT[east] NTv2 EMHPGN ±0.1m), geocentric, GRS80
    NAD83(HARN) (US-ID,MT[west] NTv2 WMHPGN ±0.1m), geoc., GRS80
    NAD83 (US-ID,MT[west] NTv2 WMHPGN ±0.1m), geocentric, GRS80
    NAD27 (US Conus), Meade's Ranch Kansas, Clarke
    NAD27 (US west), Meade's Ranch Kansas, Clarke
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72

Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

USA Nebraska (US-NE)
  Coordinate Systems
    US-SPCS 1983 (2600) Nebraska Lambert coordinates
    US-SPCS 1927 (2601) Nebraska north Lambert coord.
    US-SPCS 1927 (2602) Nebraska south Lambert coord.
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
    NAD83(NSRS 2007) (US), geocentric, GRS80
    NAD83(NSRS 2011) (US), geocentric, GRS80
    NAD83 (US+CA =WGS84=), geocentric, GRS80
    NAD83(HARN) (US-NE NTv2 NBHPGN ±0.1m), geocentric, GRS80
    NAD83 (US-NE NTv2 NBHPGN ±0.1m), geocentric, GRS80
    NAD27 (US Conus), Meade's Ranch Kansas, Clarke
    NAD27 (US west), Meade's Ranch Kansas, Clarke
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

USA Nevada (US-NV)
  Coordinate Systems
    US-SPCS 1983 (2701) Nevada east Mercator coord.
    US-SPCS 1983 (2702) Nevada central Mercator coord.
    US-SPCS 1983 (2703) Nevada west Mercator coord.
    US-SPCS 1927 (2701) Nevada east Mercator coord.
    US-SPCS 1927 (2702) Nevada central Mercator coord.
    US-SPCS 1927 (2703) Nevada west Mercator coord.
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
    NAD83(NSRS 2007) (US), geocentric, GRS80
    NAD83(NSRS 2011) (US), geocentric, GRS80
    NAD83 (US+CA =WGS84=), geocentric, GRS80
    NAD83(HARN) (US-NV NTv2 NVHPGN ±0.1m), geocentric, GRS80
    NAD83 (US-NV NTv2 NVHPGN ±0.1m), geocentric, GRS80
    NAD27 (US Conus), Meade's Ranch Kansas, Clarke
    NAD27 (US west), Meade's Ranch Kansas, Clarke
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

USA New Hampshire (US-NH)
  Coordinate Systems
    US-SPCS 1983 (2800) New Hampshire Mercator coord.
    US-SPCS 1927 (2800) New Hampshire Mercator coord.
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
    NAD83(NSRS 2007) (US), geocentric, GRS80
    NAD83(NSRS 2011) (US), geocentric, GRS80
    NAD83 (US+CA =WGS84=), geocentric, GRS80
    NAD83(HARN) (US-CT,MA,RI,NH,VT NTv2 NEHPGN ±0.1m), gc, GRS80
    NAD83 (US-CT,MA,RI,NH,VT NTv2 NEHPGN ±0.1m), geoc., GRS80
    NAD27 (US Conus), Meade's Ranch Kansas, Clarke
    NAD27 (US east), Meade's Ranch Kansas, Clarke
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

USA New Jersey (US-NJ)
  Coordinate Systems
    US-SPCS 1983 (2900) New Jersey Transv. Mercator
    US-SPCS 1927 (2900) New Jersey Transv. Mercator
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
    NAD83(NSRS 2007) (US), geocentric, GRS80
    NAD83(NSRS 2011) (US), geocentric, GRS80
    NAD83 (US+CA =WGS84=), geocentric, GRS80
    NAD83(HARN) (US-NJ NTv2 NJHPGN ±0.1m), geocentric, GRS80
    NAD83 (US-NJ NTv2 NJHPGN ±0.1m), geocentric, GRS80
    NAD27 (US Conus), Meade's Ranch Kansas, Clarke
    NAD27 (US east), Meade's Ranch Kansas, Clarke
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

USA New Mexico (US-NM)
  Coordinate Systems
    US-SPCS 1983 (3001) New Mexico east Mercator coord.
    US-SPCS 1983 (3002) New Mexico central Mercator
    US-SPCS 1983 (3003) New Mexico west Mercator coord.
    US-SPCS 1927 (3001) New Mexico east Mercator coord.
    US-SPCS 1927 (3002) New Mexico central Mercator
    US-SPCS 1927 (3003) New Mexico west Mercator coord.

UTM coordinates (northern hemisphere)
Geographic coordinates (Greenwich) [deg]
Geographic coordinates (Greenwich) [deg,min]
Geographic coordinates (Greenwich) [deg,min,sec]
Cartesian coordinates
  Reference Systems
  NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
  NAD83(NSRS 2007) (US), geocentric, GRS80
  NAD83(NSRS 2011) (US), geocentric, GRS80
  NAD83 (US+CA =WGS84=), geocentric, GRS80
  NAD83(HARN) (US-NM NTv2 NMHPGN ±0.1m), geocentric, GRS80
  NAD83 (US-NM NTv2 NMHPGN ±0.1m), geocentric, GRS80
  NAD27 (US Conus), Meade's Ranch Kansas, Clarke
  NAD27 (US west), Meade's Ranch Kansas, Clarke
  WGS84 (Worldwide GPS), geocentric, WGS84
  WGS72 (Worldwide), geocentric, WGS72
  Source Reference System in an arbitrary NTv2 file
  Target Reference System in an arbitrary NTv2 file

USA New York (US-NY)
  Coordinate Systems
  US-SPCS 1983 (3101) New York east Mercator coord.
  US-SPCS 1983 (3102) New York central Mercator coord.
  US-SPCS 1983 (3103) New York west Mercator coord.
  US-SPCS 1983 (3104) New York Long Island Lambert
  US-SPCS 1927 (3101) New York east Mercator coord.
  US-SPCS 1927 (3102) New York central Mercator coord.
  US-SPCS 1927 (3103) New York west Mercator coord.
  US-SPCS 1927 (3104) New York Long Island Lambert
  UTM coordinates (northern hemisphere)
  Geographic coordinates (Greenwich) [deg]
  Geographic coordinates (Greenwich) [deg,min]
  Geographic coordinates (Greenwich) [deg,min,sec]
  Cartesian coordinates
  Reference Systems
  NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
  NAD83(NSRS 2007) (US), geocentric, GRS80
  NAD83(NSRS 2011) (US), geocentric, GRS80
  NAD83 (US+CA =WGS84=), geocentric, GRS80
  NAD83(HARN) (US-NY NTv2 NYHPGN ±0.1m), geocentric, GRS80
  NAD83 (US-NY NTv2 NYHPGN ±0.1m), geocentric, GRS80
  NAD27 (US Conus), Meade's Ranch Kansas, Clarke
  NAD27 (US east), Meade's Ranch Kansas, Clarke
  WGS84 (Worldwide GPS), geocentric, WGS84
  WGS72 (Worldwide), geocentric, WGS72
  Source Reference System in an arbitrary NTv2 file
  Target Reference System in an arbitrary NTv2 file

USA North Carolina (US-NC)
  Coordinate Systems
  US-SPCS 1983 (3200) North Carolina Lambert coord.
  US-SPCS 1927 (3200) North Carolina Lambert coord.
  UTM coordinates (northern hemisphere)
  Geographic coordinates (Greenwich) [deg]

Geographic coordinates (Greenwich) [deg,min]
Geographic coordinates (Greenwich) [deg,min,sec]
Cartesian coordinates
Reference Systems
NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
NAD83(NSRS 2007) (US), geocentric, GRS80
NAD83(NSRS 2011) (US), geocentric, GRS80
NAD83 (US+CA =WGS84=), geocentric, GRS80
NAD83(HARN) (US-NC NTv2 NCHPGN ±0.1m), geocentric, GRS80
NAD83 (US-NC NTv2 NCHPGN ±0.1m), geocentric, GRS80
NAD27 (US Conus), Meade's Ranch Kansas, Clarke
NAD27 (US east), Meade's Ranch Kansas, Clarke
WGS84 (Worldwide GPS), geocentric, WGS84
WGS72 (Worldwide), geocentric, WGS72
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

USA North Dakota (US-ND)
 Coordinate Systems
US-SPCS 1983 (3301) North Dakota north Lambert coord.
US-SPCS 1983 (3302) North Dakota south Lambert coord.
US-SPCS 1927 (3301) North Dakota north Lambert coord.
US-SPCS 1927 (3302) North Dakota south Lambert coord.
UTM coordinates (northern hemisphere)
Geographic coordinates (Greenwich) [deg]
Geographic coordinates (Greenwich) [deg,min]
Geographic coordinates (Greenwich) [deg,min,sec]
Cartesian coordinates
 Reference Systems
NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
NAD83(NSRS 2007) (US), geocentric, GRS80
NAD83(NSRS 2011) (US), geocentric, GRS80
NAD83 (US+CA =WGS84=), geocentric, GRS80
NAD83(HARN) (US-ND NTv2 NDHPGN ±0.1m), geocentric, GRS80
NAD83 (US-ND NTv2 NDHPGN ±0.1m), geocentric, GRS80
NAD27 (US Conus), Meade's Ranch Kansas, Clarke
NAD27 (US west), Meade's Ranch Kansas, Clarke
WGS84 (Worldwide GPS), geocentric, WGS84
WGS72 (Worldwide), geocentric, WGS72
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

USA Ohio (US-OH)
 Coordinate Systems
US-SPCS 1983 (3401) Ohio north Lambert coordinates
US-SPCS 1983 (3402) Ohio south Lambert coordinates
US-SPCS 1927 (3401) Ohio north Lambert coordinates
US-SPCS 1927 (3402) Ohio south Lambert coordinates
UTM coordinates (northern hemisphere)
Geographic coordinates (Greenwich) [deg]
Geographic coordinates (Greenwich) [deg,min]
Geographic coordinates (Greenwich) [deg,min,sec]
Cartesian coordinates
 Reference Systems

NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
NAD83(NSRS 2007) (US), geocentric, GRS80
NAD83(NSRS 2011) (US), geocentric, GRS80
NAD83 (US+CA =WGS84=), geocentric, GRS80
NAD83(HARN) (US-OH NTv2 OHHPGN ±0.1m), geocentric, GRS80
NAD83 (US-OH NTv2 OHHPGN ±0.1m), geocentric, GRS80
NAD27 (US Conus), Meade's Ranch Kansas, Clarke
NAD27 (US east), Meade's Ranch Kansas, Clarke
WGS84 (Worldwide GPS), geocentric, WGS84
WGS72 (Worldwide), geocentric, WGS72
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

USA Oklahoma (US-OK)
 Coordinate Systems
   US-SPCS 1983 (3501) Oklahoma north Lambert coord.
   US-SPCS 1983 (3502) Oklahoma south Lambert coord.
   US-SPCS 1927 (3501) Oklahoma north Lambert coord.
   US-SPCS 1927 (3502) Oklahoma south Lambert coord.
   UTM coordinates (northern hemisphere)
   Geographic coordinates (Greenwich) [deg]
   Geographic coordinates (Greenwich) [deg,min]
   Geographic coordinates (Greenwich) [deg,min,sec]
   Cartesian coordinates
 Reference Systems
   NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
   NAD83(NSRS 2007) (US), geocentric, GRS80
   NAD83(NSRS 2011) (US), geocentric, GRS80
   NAD83 (US+CA =WGS84=), geocentric, GRS80
   NAD83(HARN) (US-OK NTv2 OKHPGN ±0.1m), geocentric, GRS80
   NAD83 (US-OK NTv2 OKHPGN ±0.1m), geocentric, GRS80
   NAD27 (US Conus), Meade's Ranch Kansas, Clarke
   NAD27 (US west), Meade's Ranch Kansas, Clarke
   WGS84 (Worldwide GPS), geocentric, WGS84
   WGS72 (Worldwide), geocentric, WGS72
   Source Reference System in an arbitrary NTv2 file
   Target Reference System in an arbitrary NTv2 file

USA Oregon (US-OR)
 Coordinate Systems
   US Oregon state-wide Lambert coordinates
   US-SPCS 1983 (3601) Oregon north Lambert coord.
   US-SPCS 1983 (3602) Oregon south Lambert coord.
   US-SPCS 1927 (3601) Oregon north Lambert coord.
   US-SPCS 1927 (3602) Oregon south Lambert coord.
   UTM coordinates (northern hemisphere)
   Geographic coordinates (Greenwich) [deg]
   Geographic coordinates (Greenwich) [deg,min]
   Geographic coordinates (Greenwich) [deg,min,sec]
   Cartesian coordinates
 Reference Systems
   NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
   NAD83(NSRS 2007) (US), geocentric, GRS80
   NAD83(NSRS 2011) (US), geocentric, GRS80

NAD83 (US+CA =WGS84=), geocentric, GRS80
NAD83(HARN) (US-WA,OR NTv2 WOHPGN ±0.1m), geocentric, GRS80
NAD83 (US-WA,OR NTv2 WOHPGN ±0.1m), geocentric, GRS80
NAD27 (US Conus), Meade's Ranch Kansas, Clarke
NAD27 (US west), Meade's Ranch Kansas, Clarke
WGS84 (Worldwide GPS), geocentric, WGS84
WGS72 (Worldwide), geocentric, WGS72
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

USA Pennsylvania (US-PA)
  Coordinate Systems
    US-SPCS 1983 (3701) Pennsylvania north Lambert coord.
    US-SPCS 1983 (3702) Pennsylvania south Lambert coord.
    US-SPCS 1927 (3701) Pennsylvania north Lambert coord.
    US-SPCS 1927 (3702) Pennsylvania south Lambert coord.
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
    NAD83(NSRS 2007) (US), geocentric, GRS80
    NAD83(NSRS 2011) (US), geocentric, GRS80
    NAD83 (US+CA =WGS84=), geocentric, GRS80
    NAD83(HARN) (US-PA NTv2 PAHPGN ±0.1m), geocentric, GRS80
    NAD83 (US-PA NTv2 PAHPGN ±0.1m), geocentric, GRS80
    NAD27 (US Conus), Meade's Ranch Kansas, Clarke
    NAD27 (US east), Meade's Ranch Kansas, Clarke
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

USA Rhode Island (US-RI)
  Coordinate Systems
    US-SPCS 1983 (3800) Rhode Island Mercator coord.
    US-SPCS 1927 (3800) Rhode Island Mercator coord.
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
    NAD83(NSRS 2007) (US), geocentric, GRS80
    NAD83(NSRS 2011) (US), geocentric, GRS80
    NAD83 (US+CA =WGS84=), geocentric, GRS80
    NAD83(HARN) (US-CT,MA,RI,NH,VT NTv2 NEHPGN ±0.1m), gc, GRS80
    NAD83 (US-CT,MA,RI,NH,VT NTv2 NEHPGN ±0.1m), geoc., GRS80
    NAD27 (US Conus), Meade's Ranch Kansas, Clarke
    NAD27 (US east), Meade's Ranch Kansas, Clarke
    WGS84 (Worldwide GPS), geocentric, WGS84

WGS72 (Worldwide), geocentric, WGS72
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

USA South Carolina (US-SC)
  Coordinate Systems
    US-SPCS 1983 (3900) South Carolina Lambert coord.
    US-SPCS 1927 (3901) South Carolina north Lambert
    US-SPCS 1927 (3902) South Carolina south Lambert
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
    NAD83(NSRS 2007) (US), geocentric, GRS80
    NAD83(NSRS 2011) (US), geocentric, GRS80
    NAD83 (US+CA =WGS84=), geocentric, GRS80
    NAD83(HARN) (US-SC NTv2 SCHPGN ±0.1m), geocentric, GRS80
    NAD83 (US-SC NTv2 SCHPGN ±0.1m), geocentric, GRS80
    NAD27 (US Conus), Meade's Ranch Kansas, Clarke
    NAD27 (US east), Meade's Ranch Kansas, Clarke
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

USA South Dakota (US-SD)
  Coordinate Systems
    US-SPCS 1983 (4001) South Dakota north Lambert coord.
    US-SPCS 1983 (4002) South Dakota south Lambert coord.
    US-SPCS 1927 (4001) South Dakota north Lambert coord.
    US-SPCS 1927 (4002) South Dakota south Lambert coord.
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
    NAD83(NSRS 2007) (US), geocentric, GRS80
    NAD83(NSRS 2011) (US), geocentric, GRS80
    NAD83 (US+CA =WGS84=), geocentric, GRS80
    NAD83(HARN) (US-SD NTv2 SDHPGN ±0.1m), geocentric, GRS80
    NAD83 (US-SD NTv2 SDHPGN ±0.1m), geocentric, GRS80
    NAD27 (US Conus), Meade's Ranch Kansas, Clarke
    NAD27 (US west), Meade's Ranch Kansas, Clarke
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

USA Tennessee (US-TN)

Coordinate Systems
  US-SPCS 1983 (4100) Tennessee Lambert coordinates
  US-SPCS 1927 (4100) Tennessee Lambert coordinates
  UTM coordinates (northern hemisphere)
  Geographic coordinates (Greenwich) [deg]
  Geographic coordinates (Greenwich) [deg,min]
  Geographic coordinates (Greenwich) [deg,min,sec]
  Cartesian coordinates
Reference Systems
  NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
  NAD83(NSRS 2007) (US), geocentric, GRS80
  NAD83(NSRS 2011) (US), geocentric, GRS80
  NAD83 (US+CA =WGS84=), geocentric, GRS80
  NAD83(HARN) (US-TN NTv2 TNHPGN ±0.1m), geocentric, GRS80
  NAD83 (US-TN NTv2 TNHPGN ±0.1m), geocentric, GRS80
  NAD27 (US Conus), Meade's Ranch Kansas, Clarke
  NAD27 (US east), Meade's Ranch Kansas, Clarke
  WGS84 (Worldwide GPS), geocentric, WGS84
  WGS72 (Worldwide), geocentric, WGS72
  Source Reference System in an arbitrary NTv2 file
  Target Reference System in an arbitrary NTv2 file

USA Texas (US-TX)
Coordinate Systems
  US Texas state-wide Lambert coordinates
  US Texas state-wide Albers Equal Area coordinates
  US-SPCS 1983 (4201) Texas north Lambert coordinates
  US-SPCS 1983 (4202) Texas north central Lambert
  US-SPCS 1983 (4203) Texas central Lambert coord.
  US-SPCS 1983 (4205) Texas south Lambert coordinates
  US-SPCS 1983 (4204) Texas south central Lambert
  US-SPCS 1927 (4201) Texas north Lambert coordinates
  US-SPCS 1927 (4202) Texas north central Lambert
  US-SPCS 1927 (4203) Texas central Lambert coord.
  US-SPCS 1927 (4205) Texas south Lambert coordinates
  US-SPCS 1927 (4204) Texas south central Lambert
  US Texas Lambert State Mapping System
  US Texas Lambert Shackleford System
  UTM coordinates (northern hemisphere)
  Geographic coordinates (Greenwich) [deg]
  Geographic coordinates (Greenwich) [deg,min]
  Geographic coordinates (Greenwich) [deg,min,sec]
  Cartesian coordinates
Reference Systems
  NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
  NAD83(NSRS 2007) (US), geocentric, GRS80
  NAD83(NSRS 2011) (US), geocentric, GRS80
  NAD83 (US+CA =WGS84=), geocentric, GRS80
  NAD83(HARN) (US-TX[east] NTv2 ETHPGN ±0.1m), geoc., GRS80
  NAD83 (US-TX[east] NTv2 ETHPGN ±0.1m), geocentric, GRS80
  NAD83(HARN) (US-TX[west] NTv2 WTHPGN ±0.1m), geoc., GRS80
  NAD83 (US-TX[west] NTv2 WTHPGN ±0.1m), geocentric, GRS80
  NAD27 (US Conus), Meade's Ranch Kansas, Clarke
  NAD27 (US west), Meade's Ranch Kansas, Clarke

WGS84 (Worldwide GPS), geocentric, WGS84
WGS72 (Worldwide), geocentric, WGS72
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

USA Utah (US-UT)
  Coordinate Systems
    US-SPCS 1983 (4301) Utah north Lambert coordinates
    US-SPCS 1983 (4302) Utah central Lambert coord.
    US-SPCS 1983 (4303) Utah south Lambert coordinates
    US-SPCS 1927 (4301) Utah north Lambert coordinates
    US-SPCS 1927 (4302) Utah central Lambert coord.
    US-SPCS 1927 (4303) Utah south Lambert coordinates
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
    NAD83(NSRS 2007) (US), geocentric, GRS80
    NAD83(NSRS 2011) (US), geocentric, GRS80
    NAD83 (US+CA =WGS84=), geocentric, GRS80
    NAD83(HARN) (US-UT NTv2 UTHPGN ±0.1m), geocentric, GRS80
    NAD83 (US-UT NTv2 UTHPGN ±0.1m), geocentric, GRS80
    NAD27 (US Conus), Meade's Ranch Kansas, Clarke
    NAD27 (US west), Meade's Ranch Kansas, Clarke
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

USA Vermont (US-VT)
  Coordinate Systems
    US-SPCS 1983 (4400) Vermont Transv. Mercator coord.
    US-SPCS 1927 (4400) Vermont Transv. Mercator coord.
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
    NAD83(NSRS 2007) (US), geocentric, GRS80
    NAD83(NSRS 2011) (US), geocentric, GRS80
    NAD83 (US+CA =WGS84=), geocentric, GRS80
    NAD83(HARN) (US-CT,MA,RI,NH,VT NTv2 NEHPGN ±0.1m), gc, GRS80
    NAD83 (US-CT,MA,RI,NH,VT NTv2 NEHPGN ±0.1m), geoc., GRS80
    NAD27 (US Conus), Meade's Ranch Kansas, Clarke
    NAD27 (US east), Meade's Ranch Kansas, Clarke
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

USA Virginia (US-VA)
  Coordinate Systems
    US Virginia state-wide Lambert coordinates
    US-SPCS 1983 (4501) Virginia north Lambert coord.
    US-SPCS 1983 (4502) Virginia south Lambert coord.
    US-SPCS 1927 (4501) Virginia north Lambert coord.
    US-SPCS 1927 (4502) Virginia south Lambert coord.
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
    NAD83(NSRS 2007) (US), geocentric, GRS80
    NAD83(NSRS 2011) (US), geocentric, GRS80
    NAD83 (US+CA =WGS84=), geocentric, GRS80
    NAD83(HARN) (US-VA NTv2 VAHPGN ±0.1m), geocentric, GRS80
    NAD83 (US-VA NTv2 VAHPGN ±0.1m), geocentric, GRS80
    NAD27 (US Conus), Meade's Ranch Kansas, Clarke
    NAD27 (US east), Meade's Ranch Kansas, Clarke
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

USA Washington (US-WA)
  Coordinate Systems
    US-SPCS 1983 (4601) Washington north Lambert coord.
    US-SPCS 1983 (4602) Washington south Lambert coord.
    US-SPCS 1927 (4601) Washington north Lambert coord.
    US-SPCS 1927 (4602) Washington south Lambert coord.
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
    NAD83(NSRS 2007) (US), geocentric, GRS80
    NAD83(NSRS 2011) (US), geocentric, GRS80
    NAD83 (US+CA =WGS84=), geocentric, GRS80
    NAD83(HARN) (US-WA,OR NTv2 WOHPGN ±0.1m), geocentric, GRS80
    NAD83 (US-WA,OR NTv2 WOHPGN ±0.1m), geocentric, GRS80
    NAD27 (US Conus), Meade's Ranch Kansas, Clarke
    NAD27 (US west), Meade's Ranch Kansas, Clarke
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

USA West Virginia (US-WV)
  Coordinate Systems

US-SPCS 1983 (4701) West Virginia north Lambert
US-SPCS 1983 (4702) West Virginia south Lambert
US-SPCS 1927 (4701) West Virginia north Lambert
US-SPCS 1927 (4702) West Virginia south Lambert
UTM coordinates (northern hemisphere)
Geographic coordinates (Greenwich) [deg]
Geographic coordinates (Greenwich) [deg,min]
Geographic coordinates (Greenwich) [deg,min,sec]
Cartesian coordinates
Reference Systems
NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
NAD83(NSRS 2007) (US), geocentric, GRS80
NAD83(NSRS 2011) (US), geocentric, GRS80
NAD83 (US+CA =WGS84=), geocentric, GRS80
NAD83(HARN) (US-WV NTv2 WVHPGN ±0.1m), geocentric, GRS80
NAD83 (US-WV NTv2 WVHPGN ±0.1m), geocentric, GRS80
NAD27 (US Conus), Meade's Ranch Kansas, Clarke
NAD27 (US east), Meade's Ranch Kansas, Clarke
WGS84 (Worldwide GPS), geocentric, WGS84
WGS72 (Worldwide), geocentric, WGS72
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

USA Wisconsin (US-WI)
  Coordinate Systems
    US Wisconsin WMT83 Transverse Mercator coordinates
    US Wisconsin WMT27 Transverse Mercator coordinates
    US-SPCS 1983 (4801) Wisconsin north Lambert coord.
    US-SPCS 1983 (4802) Wisconsin central Lambert coord.
    US-SPCS 1983 (4803) Wisconsin south Lambert coord.
    US-SPCS 1927 (4801) Wisconsin north Lambert coord.
    US-SPCS 1927 (4802) Wisconsin central Lambert coord.
    US-SPCS 1927 (4803) Wisconsin south Lambert coord.
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
    NAD83(NSRS 2007) (US), geocentric, GRS80
    NAD83(NSRS 2011) (US), geocentric, GRS80
    NAD83 (US+CA =WGS84=), geocentric, GRS80
    NAD83(HARN) (US-WI NTv2 WIHPGN ±0.1m), geocentric, GRS80
    NAD83 (US-WI NTv2 WIHPGN ±0.1m), geocentric, GRS80
    NAD27 (US Conus), Meade's Ranch Kansas, Clarke
    NAD27 (US east), Meade's Ranch Kansas, Clarke
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

USA Wyoming (US-WY)
  Coordinate Systems

US-SPCS 1983 (4901) Wyoming east Mercator coord.
US-SPCS 1983 (4902) Wyoming east central Mercator
US-SPCS 1983 (4903) Wyoming west central Mercator
US-SPCS 1983 (4904) Wyoming west Mercator coord.
US-SPCS 1927 (4901) Wyoming east Mercator coord.
US-SPCS 1927 (4902) Wyoming east central Mercator
US-SPCS 1927 (4903) Wyoming west central Mercator
US-SPCS 1927 (4904) Wyoming west Mercator coord.
US Wyoming Lambert coordinates
UTM coordinates (northern hemisphere)
Geographic coordinates (Greenwich) [deg]
Geographic coordinates (Greenwich) [deg,min]
Geographic coordinates (Greenwich) [deg,min,sec]
Cartesian coordinates
Reference Systems
NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
NAD83(NSRS 2007) (US), geocentric, GRS80
NAD83(NSRS 2011) (US), geocentric, GRS80
NAD83 (US+CA =WGS84=), geocentric, GRS80
NAD83(HARN) (US-WY NTv2 WYHPGN ±0.1m), geocentric, GRS80
NAD83 (US-WY NTv2 WYHPGN ±0.1m), geocentric, GRS80
NAD27 (US Conus), Meade's Ranch Kansas, Clarke
NAD27 (US west), Meade's Ranch Kansas, Clarke
WGS84 (Worldwide GPS), geocentric, WGS84
WGS72 (Worldwide), geocentric, WGS72
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

USA Multinational Coordinate Systems
Coordinate Systems
US National Grid (USNG) Mercator coordinates
US National Atlas Lambert Azimuthal Equa Area
USA Conus Albers Equal Area coordinates
USA Contiguos Albers Equal Area coordinates
North America Albers Equal Area coordinates
UTM coordinates (northern hemisphere)
UTM coordinates [ftUS] (northern hemisphere)
UTMref (MGRS) (Meter grid mesh)
Geographic coordinates (Greenwich) [sec]
Geographic coordinates (Greenwich) [deg]
Geographic coordinates (Greenwich) [deg,min]
Geographic coordinates (Greenwich) [deg,min,sec]
Cartesian coordinates
Reference Systems
NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
NAD83(NSRS 2007) (US), geocentric, GRS80
NAD83(NSRS 2011) (US), geocentric, GRS80
NAD83(NSRS PA11) (US), geocentric, GRS80
NAD83 (US+CA =WGS84=), geocentric, GRS80
NAD83 (US+CA =ITRS86=), geocentric, GRS80
NAD27 (US+CA <±15m), Kansas, Clarke
NAD27 (US Conus), Meade's Ranch Kansas, Clarke
NAD27 (US west), Meade's Ranch Kansas, Clarke
NAD27 (US east), Meade's Ranch Kansas, Clarke

WGS84 (Worldwide GPS), geocentric, WGS84
WGS72 (Worldwide), geocentric, WGS72
WGS72BE (Worldwide), geocentric, WGS72
GRS80a Authalic Sphere (Worldwide), geocentric, Sphere
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

--- Central America and Caribbean ------------------------------------

French Guadeloupe (GP)
  Coordinate Systems
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [gon]
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    RRAF (GP,MQ), geocentric, GRS80
    IGN1949 (GP), Fort-Marigot, Hayford/Int.
    IGN1948 (GP), Ste-Anne, Hayford/Int.
    WGS84 (Worldwide GPS), geocentric, WGS84
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

French Martinique (MQ)
  Coordinate Systems
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [gon]
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    RRAF (GP,MQ), geocentric, GRS80
    Fort-Desaix1952 (MQ), Fort-Desaix, Hayford/Int.
    WGS84 (Worldwide GPS), geocentric, WGS84
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

Mexico (MX)
  Coordinate Systems
    Mexico Lambert Conformal Conic coordinates
    Mexico Albers Equal Area Conic coordinates
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    Mexico ITRF2008 (MX), geocentric, GRS80
    Mexico ITRF92 (MX), geocentric, GRS80
    NAD27 (MX whole country <±12m), MR Kansas, Clarke
    NAD27 (MX Eastern Gulf <±5), MR Kansas, Clarke

NAD27 (MX Central Gulf <±5), MR Kansas, Clarke
NAD27 (MX Western Gulf <±5), MR Kansas, Clarke
NAD27 (MX Tampico Area <±5), MR Kansas, Clarke
NAD27 (MX Campeche North Area <±5), MR Kansas, Clarke
NAD27 (MX Campeche South Area <±5), MR Kansas, Clarke
NAD83 (US+CA =WGS84=), geocentric, GRS80
NAD27 (US Conus), Meade's Ranch Kansas, Clarke
NAD27 (US east), Meade's Ranch Kansas, Clarke
WGS84 (Worldwide GPS), geocentric, WGS84
WGS72 (Worldwide), geocentric, WGS72
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

USA Puerto Rico (PR)
 Coordinate Systems
   US-SPCS 1983 (5200) Puerto Rico/Virgin Islands Lambert
   US-SPCS 1927 (5202) Puerto Rico/VI/St. Croix Lambert
   US-SPCS 1927 (5201) Puerto Rico/Virgin Islands Lambert
   UTM coordinates (northern hemisphere)
   Geographic coordinates (Greenwich) [deg]
   Geographic coordinates (Greenwich) [deg,min]
   Geographic coordinates (Greenwich) [deg,min,sec]
   Cartesian coordinates
 Reference Systems
   Puerto Rico (US-PR,VI), Cardona Island, Clarke
   NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
   NAD83(NSRS 2007) (US), geocentric, GRS80
   NAD83(NSRS 2011) (US), geocentric, GRS80
   NAD83 (US+CA =WGS84=), geocentric, GRS80
   NAD83(HARN) (US-PR,VI NTv2 PVHPGN ±0.1m), geocentric, GRS80
   NAD83 (US-PR,VI NTv2 PVHPGN ±0.1m), geocentric, GRS80
   NAD27 (US Conus), Meade's Ranch Kansas, Clarke
   NAD27 (US east), Meade's Ranch Kansas, Clarke
   WGS84 (Worldwide GPS), geocentric, WGS84
   WGS72 (Worldwide), geocentric, WGS72
   Source Reference System in an arbitrary NTv2 file
   Target Reference System in an arbitrary NTv2 file

USA Virgin Islands (VI)
 Coordinate Systems
   US-SPCS 1983 (5200) Puerto Rico/Virgin Islands Lambert
   US-SPCS 1927 (5202) Puerto Rico/VI/St. Croix Lambert
   US-SPCS 1927 (5201) Puerto Rico/Virgin Islands Lambert
   UTM coordinates (northern hemisphere)
   Geographic coordinates (Greenwich) [deg]
   Geographic coordinates (Greenwich) [deg,min]
   Geographic coordinates (Greenwich) [deg,min,sec]
   Cartesian coordinates
 Reference Systems
   Puerto Rico (US-PR,VI), Cardona Island, Clarke
   NAD83(NSRS/CSRS) (US+CA ITRS-Epoche 1997), GRS80
   NAD83(NSRS 2007) (US), geocentric, GRS80
   NAD83(NSRS 2011) (US), geocentric, GRS80
   NAD83 (US+CA =WGS84=), geocentric, GRS80

NAD83(HARN) (US-PR,VI NTv2 PVHPGN ±0.1m), geocentric, GRS80
NAD83 (US-PR,VI NTv2 PVHPGN ±0.1m), geocentric, GRS80
NAD27 (US Conus), Meade's Ranch Kansas, Clarke
NAD27 (US east), Meade's Ranch Kansas, Clarke
WGS84 (Worldwide GPS), geocentric, WGS84
WGS72 (Worldwide), geocentric, WGS72
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

Multinational Coordinate Systems
  Coordinate Systems
    UTM coordinates (northern hemisphere)
    UTM coordinates (southern hemisphere)
    UTMref (MGRS) (Meter grid mesh)
    Geographic coordinates (Greenwich) [sec]
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    WGS72BE (Worldwide), geocentric, WGS72
    PZ-90 Roßbach 2000 (Worldwide GLONASS), geoc., PZ-90
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

--- South American continent ---

  Argentina (AR)
    Coordinate Systems
      UTM coordinates (southern hemisphere)
      Argentinean Gauss-Krueger coordinates
      Geographic coordinates (Greenwich) [deg]
      Geographic coordinates (Greenwich) [deg,min]
      Geographic coordinates (Greenwich) [deg,min,sec]
      Cartesian coordinates
    Reference Systems
      SIRGAS (South America =WGS84=), geocentric, GRS80
      POSGAR (AR), geocentric, GRS80
      SAD69 (AR <±7m), Chua, GRS67(2)
      CAI1969 (AR), Campo Inchauspe, Hayford/Int.
      CAI1969 (AR Neuquen), Campo Inchauspe, Hayford/Int.
      HITO1963 (AR Tierra Fuego), Hito XVIII, Hayford/Int.
      CHOMA1914 (AR Neuquen), Chos Malal, Hayford/Int.
      Pampa Castillo (AR Comodoro Riv.), Hayford/Int.
      WGS84 (Worldwide GPS), geocentric, WGS84
      WGS72 (Worldwide), geocentric, WGS72
      Source Reference System in an arbitrary NTv2 file
      Target Reference System in an arbitrary NTv2 file

  Brazil (BR)
    Coordinate Systems
      UTM coordinates (southern hemisphere)

UTM coordinates (northern hemisphere)
Brazil Petrobras Mercator coordinates
Brazil Polyconic coordinates
Geographic coordinates (Greenwich) [deg]
Geographic coordinates (Greenwich) [deg,min]
Geographic coordinates (Greenwich) [deg,min,sec]
Cartesian coordinates
Reference Systems
SIRGAS2000 (South America <±1m), geocentric, GRS80
Chua (BR <±5m <2000), Chua, Hayford/Int.
Chua (BR <±5m >2000), Chua, Hayford/Int.
CorAl70/72 (BR <±8m), Corrego Alegre, Hayford/Int.
SAD69 (BR <±5m), Chua, GRS67 modified
SAD69(96) (BR <±5m), Chua, GRS67 modified
PSAD56 (BR <±10m), La Canoa, Hayford/Int.
Aratu (BR-Campos <±5m), Aratu, Hayford/Int.
Aratu (BR-Santos <±5m), Aratu, Hayford/Int.
Aratu (BR-Esprito/Mucuri <±5m), Aratu, Hayford/Int.
CorAl1961 (BR NTv2 CA61_003 <±2m), Cor. Alegre, Hayford/Int.
SIRGAS2000 (BR NTv2 CA61_003 <±2m), geocentric, GRS80
CorAl70/72 (BR NTv2 CA7072_003 <±2m), Cor. Al., Hayford/Int.
SIRGAS2000 (BR NTv2 CA7072_003 <±2m), geocentric, GRS80
SAD69 (BR NTv2 SAD69_003 <±1m), Chua, GRS67 modified
SIRGAS2000 (BR NTv2 SAD69_003 <±1m), geocentric, GRS80
SAD69(96) (BR NTv2 SAD96_003 <±0.5m), Chua, GRS67 modified
SIRGAS2000 (BR NTv2 SAD96_003 <±0.5m), geocentric, GRS80
WGS84 (Worldwide GPS), geocentric, WGS84
WGS72 (Worldwide), geocentric, WGS72
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

Chile (CL)
Coordinate Systems
UTM coordinates (southern hemisphere)
Geographic coordinates (Greenwich) [deg]
Geographic coordinates (Greenwich) [deg,min]
Geographic coordinates (Greenwich) [deg,min,sec]
Cartesian coordinates
Reference Systems
SIRGAS (CL =WGS84=), geocentric, GRS80
WGS84 (Worldwide GPS), geocentric, WGS84
SAD69 (CL <32°S <±2m), Chua, GRS67 modified
SAD69 (CL >32°S <36°S <±2m), Chua, GRS67 modified
SAD69 (CL >36°S <43.5°S <±4m), Chua, GRS67 modified
Easter Island 1967 (CL <±25m), Easter Island, Hayford/Int.
Hito XVIII 1963 (CL <±25m), Tierra del Fuego, Hayford/Int.
PSAD56 (CL <26°S <±10m), La Canoa, Hayford/Int.
PSAD56 (CL >26°S <36°S <±10m), La Canoa, Hayford/Int.
PSAD56 (CL >36°S <43.5°S <±10m), La Canoa, Hayford/Int.
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

Colombia (CO)
Coordinate Systems

UTM coordinates (northern hemisphere)
UTM coordinates (southern hemisphere)
Colombia MAGNA-SIRGAS Far West Zone
Colombia MAGNA-SIRGAS West Zone
Colombia MAGNA-SIRGAS Bogata Zone
Colombia MAGNA-SIRGAS East Central Zone
Colombia MAGNA-SIRGAS East Zone
Colombia Bogota 1975 West Zone
Colombia Bogota 1975 Bogata Zone
Colombia Bogota 1975 East Central Zone
Colombia Bogota 1975 East Zone
Geographic Coordinates (Bogota) [deg]
Geographic coordinates (Greenwich) [deg]
Geographic coordinates (Greenwich) [deg,min]
Geographic coordinates (Greenwich) [deg,min,sec]
Cartesian coordinates
Reference Systems
MAGNA-SIRGAS (CO <±1m), geocentric, GRS80
Bogota 1975 (CO <±6m), Bogota Observatory, Hayford/Int.
SAD69 (CO <±6m), Chua, GRS67(2)
PSAD56 (CO <±15m), La Canoa, Hayford/Int.
WGS84 (Worldwide GPS), geocentric, WGS84
WGS72 (Worldwide), geocentric, WGS72
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

French Guiana (GF)
Coordinate Systems
UTM coordinates (northern hemisphere)
Geographic coordinates (Greenwich) [gon]
Geographic coordinates (Greenwich) [deg]
Geographic coordinates (Greenwich) [deg,min]
Geographic coordinates (Greenwich) [deg,min,sec]
Cartesian coordinates
Reference Systems
RGFG95 (GF), geocentric, GRS80
CSG1967 (GF), Diane à Kourou, Hayford/Int.
WGS84 (Worldwide GPS), geocentric, WGS84
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

South Georgia / Sandwich Islands (GS)
Coordinate Systems
South Georgia / Sandwich Islands Lambert coord.
UTM coordinates (southern hemisphere)
Geographic coordinates (Greenwich) [deg]
Geographic coordinates (Greenwich) [deg,min]
Geographic coordinates (Greenwich) [deg,min,sec]
Cartesian coordinates
Reference Systems
South Georgia 1968 (GS <±25m), ISTS061, Hayford/Int.
WGS84 (Worldwide GPS), geocentric, WGS84
WGS72 (Worldwide), geocentric, WGS72
Source Reference System in an arbitrary NTv2 file

Target Reference System in an arbitrary NTv2 file

Uruguay (UR)
  Coordinate Systems
    UTM coordinates (southern hemisphere)
    Geographic coordinates (Greenwich) [gon]
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    SIRGAS (South America =WGS84=), geocentric, GRS80
    YACARE (UR), Yacare, Hayford/Int.
    SAD69 (UR <±10m), Chua, GRS67(2)
    WGS84 (Worldwide GPS), geocentric, WGS84
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

Venezuela (VE)
  Coordinate Systems
    UTM coordinates (northern hemisphere)
    UTM coordinates (southern hemisphere)
    Venezuela ICN Regional coordinates
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    WGS84 (Worldwide GPS), geocentric, WGS84
    REGVEN (VE <±1m), geozentic, GRS80
    SAD69 (VE <±6m), Chua, GRS67 modifiet
    PSAD56 (VE <±10m), La Canoa, Hayford/Int.
    La Canoa (VE <±3m), La Canoa, Hayford/Int.
    La Canoa (VE NTv2 canoa_wgs84 <±2m), La Canoa, Hayford/Int.
    WGS84 (VE NTv2 canoa_wgs84 <±2m), geozentrisch, WGS84
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

Multinational Coordinate Systems
  Coordinate Systems
    South America Lambert Conformal Conic coord.
    South America Albers Equal Area coordinates
    UTM coordinates (northern hemisphere)
    UTM coordinates (southern hemisphere)
    UTMref (MGRS) (Meter grid mesh)
    Geographic coordinates (Greenwich) [sec]
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    SIRGAS (South America =WGS84=), geocentric, GRS80
    SIRGAS2000 (South America <±1m), geocentric, GRS80
    SIRGAS1995 (South America <±1m), geocentric, GRS80

SAD69 (South America), Chua, GRS67(2)
    PSAD56 (South America <±30m), La Canoa, Hayford/Int.
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    WGS72BE (Worldwide), geocentric, WGS72
    PZ-90 Roßbach 2000 (Worldwide GLONASS), geoc., PZ-90
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

--- Asian continent --

  Afghanistan (AF)
    Coordinate Systems
      UTM coordinates (northern hemisphere)
      Geographic coordinates (Greenwich) [deg]
      Geographic coordinates (Greenwich) [deg,min]
      Geographic coordinates (Greenwich) [deg,min,sec]
      Cartesian coordinates
    Reference Systems
      WGS84 (Worldwide GPS), geocentric, WGS84
      Herat North (AF), Herat North, Hayford/Int.
      WGS72 (Worldwide), geocentric, WGS72
      Source Reference System in an arbitrary NTv2 file
      Target Reference System in an arbitrary NTv2 file

  Armenia (AM)
    Coordinate Systems
      Armenia ARM_PCS/GCS/GKz8 Transverse Mercator
      CS63 Zone A1 Transverse Mercator coordinates
      CS63 Zone A2 Transverse Mercator coordinates
      CS63 Zone A3 Transverse Mercator coordinates
      CS63 Zone A4 Transverse Mercator coordinates
      Gauss-Krueger (6 degrees wide strips)
      Gauss-Krueger coord. (3 degrees wide strips)
      UTM coordinates (northern hemisphere)
      Geographic coordinates (Greenwich) [deg]
      Geographic coordinates (Greenwich) [deg,min]
      Geographic coordinates (Greenwich) [deg,min,sec]
      Cartesian coordinates
    Reference Systems
      Pulkovo1942 (EU-E/AS[FSU] 2008 <±3m), Pulkovo, Krassowsky
      S42/2001 (EU-E/AS[FSU] <±4m), Pulkovo, Krassowsky
      S42/1993 (EU-E/AS[FSU] <±4.5m), Pulkovo, Krassowsky
      S42/3Par. (EU-E/AS[FSU]), Pulkovo, Krassowsky
      S42/83 (EU-E/AS[FSU] 1990 <±3m), Pulkovo, Krassowsky
      PZ-90 Roßbach 2000 (Worldwide GLONASS), geoc., PZ-90
      WGS84 (Worldwide GPS), geocentric, WGS84
      WGS72 (Worldwide), geocentric, WGS72
      Source Reference System in an arbitrary NTv2 file
      Target Reference System in an arbitrary NTv2 file

  Azerbaijan (AZ)
    Coordinate Systems
      CS63 Zone A3 Transverse Mercator coordinates

CS63 Zone A4 Transverse Mercator coordinates
Gauss-Krueger (6 degrees wide strips)
Gauss-Krueger coord. (3 degrees wide strips)
UTM coordinates (northern hemisphere)
Geographic coordinates (Greenwich) [deg]
Geographic coordinates (Greenwich) [deg,min]
Geographic coordinates (Greenwich) [deg,min,sec]
Cartesian coordinates
Reference Systems
Pulkovo1942 (EU-E/AS[FSU] 2008 <±3m), Pulkovo, Krassowsky
S42/2001 (EU-E/AS[FSU] <±4m), Pulkovo, Krassowsky
PZ-90 Roßbach 2000 (Worldwide GLONASS), geoc., PZ-90
WGS84 (Worldwide GPS), geocentric, WGS84
WGS72 (Worldwide), geocentric, WGS72
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

Bangladesh (BD)
Coordinate Systems
UTM coordinates (northern hemisphere)
BTM Bangladesh Transverse Mercator coordinates
India zone IIb (Bangladesh) Lambert coordinates
Geographic coordinates (Greenwich) [deg]
Geographic coordinates (Greenwich) [deg,min]
Geographic coordinates (Greenwich) [deg,min,sec]
Cartesian coordinates
Reference Systems
Gulshan 303 (BD), Dhaka, Everest 1830/1937
Kalianpur 1880 (IN,BD), Kalianpur, Everest 1830/1880
Kalianpur 1937 (IN,BD), Kalianpur, Everest 1830/1937
Kalianpur 1975 (IN,BD), Kalianpur, Everest 1830/1975
WGS84 (Worldwide GPS), geocentric, WGS84
WGS72 (Worldwide), geocentric, WGS72
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

China (CN)
Coordinate Systems
Chinese Gauss-Krueger CM75E-135E (3 degrees strips)
Chinese Gauss-Krueger CM75E-135E (6 degrees strips)
UTM coordinates (northern hemisphere)
Hong Kong Transverse Mercator Grid coordinates
Geographic coordinates (Greenwich) [deg]
Geographic coordinates (Greenwich) [deg,min]
Geographic coordinates (Greenwich) [deg,min,sec]
Cartesian coordinates
Reference Systems
CGCS2000 (CN), geocentric, CGCS2000
Beijing1954 (CN), Pulkovo, Krassowsky
Beijing1954 (CN, Yellow Sea), Pulkovo, Krassowsky
Beijing1954 (CN, South China Sea), Pulkovo, Krassowsky
Beijing1954 (CN, Tarim Basin), Pulkovo, Krassowsky
Beijing1954 (CN, Bei Bu Basin), Pulkovo, Krassowsky
Beijing1954 (CN, Ordos Basin), Pulkovo, Krassowsky

Beijing1954 (CN no_defs), Pulkovo, Krassowsky
New Beijing (CN no_defs), Pulkovo, Krassowsky
Xian1980 (CN no_defs), Xian Observatory, IAG 1975
Hong Kong 1980 (CN), Kowloon, Hayford/Int.
Hong Kong 1963 (CN), Kowloon, Clarke 1858
WGS84 (Worldwide GPS), geocentric, WGS84
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

Georgia (GE)
  Coordinate Systems
    CS63 Zone A1 Transverse Mercator coordinates
    CS63 Zone A2 Transverse Mercator coordinates
    CS63 Zone A3 Transverse Mercator coordinates
    CS63 Zone A4 Transverse Mercator coordinates
    Gauss-Krueger (6 degrees wide strips)
    Gauss-Krueger coord. (3 degrees wide strips)
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    Pulkovo1942 (EU-E/AS[FSU] 2008 <±3m), Pulkovo, Krassowsky
    S42/2001 (EU-E/AS[FSU] <±4m), Pulkovo, Krassowsky
    PZ-90 Roßbach 2000 (Worldwide GLONASS), geoc., PZ-90
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

India (IN)
  Coordinate Systems
    UTM coordinates (northern hemisphere)
    Indian Lambert Zone 0 coordinates
    Indian Lambert Zone I coordinates
    Indian Lambert Zone IIa coordinates
    Indian Lambert Zone IIb coordinates
    Indian Lambert Zone III coordinates
    Indian Lambert Zone IV coordinates
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    Kalianpur 1880 (IN,BD), Kalianpur, Everest 1830/1880
    Kalianpur 1937 (IN,BD), Kalianpur, Everest 1830/1937
    Kalianpur 1962 (IN), Kalianpur, Everest 1830/1962
    Kalianpur 1975 (IN,BD), Kalianpur, Everest 1830/1975
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

Japan (JP)
  Coordinate Systems
    UTM coordinates (northern hemisphere)
    Japan Plane Rectangular CS I Mercator coordinates
    Japan Plane Rectangular CS II Mercator coordinates
    Japan Plane Rectangular CS III Mercator coordinates
    Japan Plane Rectangular CS IV Mercator coordinates
    Japan Plane Rectangular CS X Mercator coordinates
    Japan Plane Rectangular CS V Mercator coordinates
    Japan Plane Rectangular CS VI Mercator coordinates
    Japan Plane Rectangular CS VII Mercator coordinates
    Japan Plane Rectangular CS VIII Mercator coordinates
    Japan Plane Rectangular CS IX Mercator coordinates
    Japan Plane Rectangular CS XI Mercator coordinates
    Japan Plane Rectangular CS XII Mercator coordinates
    Japan Plane Rectangular CS XIII Mercator coordinates
    Japan Plane Rectangular CS XIV Mercator coordinates
    Japan Plane Rectangular CS XV Mercator coordinates
    Japan Plane Rectangular CS XVI Mercator coordinates
    Japan Plane Rectangular CS XVII Mercator coordinates
    Japan Plane Rectangular CS XVIII Mercator coordinates
    Japan Plane Rectangular CS XIX Mercator coordinates
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    JGD2000 (JP 2000 <±1m), geocentric, GRS80
    JGD2000 (JP 1994 <±1m), geocentric, GRS80
    JGD2000 (JP 2011 NTv2 touhoku...2011), geocentric, GRS80
    JGD2011 (JP 2011 NTv2 touhoku...2011), geocentric, GRS80
    Tokyo (JP 2003 NTv2 tky2jgd), Nikon, Bessel
    JGD2000 (JP 2003 NTv2 tky2jgd), geocentric, GRS80
    JGD2011 (JP 1994 <±1m), geocentric, GRS80
    Tokyo (JP 1993 <±5m), Nikon, Bessel
    Tokyo (JP 1996 <±3m), Nikon, Bessel
    Tokyo (JP 1997 <±3m), Nikon, Bessel
    Tokyo (JP Okinawa <±15m), Nikon, Bessel
    Tokyo (JP Okinawa KR <±15m), Nikon, Bessel
    Markus Isl. 1952 (JP <±25m), Astron. Stat., Hayford/Int.
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

North-Korea (KP)
  Coordinate Systems
    Korea West Belt Transverse Mercator coordinates
    Korea Central Belt Transverse Mercator coordinates
    Korea East Belt Transverse Mercator coordinates
    Korea East Sea Belt Transverse Mercator coordinates
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]

Geographic coordinates (Greenwich) [deg,min,sec]
Cartesian coordinates
Reference Systems
Tokyo 1892 (KR,KP <±10m), Nikon-Keido-Genten, Bessel
WGS84 (Worldwide GPS), geocentric, WGS84
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

Pakistan (PK)
Coordinate Systems
UTM coordinates (northern hemisphere)
Indian Lambert Zone 0 coordinates
Indian Lambert Zone I coordinates
Indian Lambert Zone IIa coordinates
Geographic coordinates (Greenwich) [deg]
Geographic coordinates (Greenwich) [deg,min]
Geographic coordinates (Greenwich) [deg,min,sec]
Cartesian coordinates
Reference Systems
Kalianpur 1880 (IN,BD), Kalianpur, Everest 1830/1880
Kalianpur 1962 (IN), Kalianpur, Everest 1830/1962
WGS84 (Worldwide GPS), geocentric, WGS84
WGS72 (Worldwide), geocentric, WGS72
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

South-Korea (KR)
Coordinate Systems
Korea West Belt 2010 Transverse Mercator coordinates
Korea Central Belt 2010 Transverse Mercator coordinates
Korea East Belt 2010 Transverse Mercator coordinates
Korea East Sea Belt 2010 Transverse Mercator coordinates
Korea Unified Belt Transverse Mercator coordinates
Korea West Belt Transverse Mercator coordinates
Korea Central Belt Transverse Mercator coordinates
Korea East Belt Transverse Mercator coordinates
Korea East Sea Belt Transverse Mercator coordinates
Korea Central Belt Jeju Transverse Mercator coordinates
Korea Modified West Belt Transverse Mercator coordinates
Korea Modified Central Belt Transverse Mercator coordinates
Korea Modified Central Belt Jeju Transverse Mercator coord.
Korea Modified East Belt Transverse Mercator coordinates
Korea Modified East Sea Belt Transverse Mercator coord.
UTM coordinates (northern hemisphere)
Geographic coordinates (Greenwich) [deg]
Geographic coordinates (Greenwich) [deg,min]
Geographic coordinates (Greenwich) [deg,min,sec]
Cartesian coordinates
Reference Systems
Korea 2000 (KR <±1m), geocentric, GRS80
Korean 1995 (KR <±2m), geocentric, WGS84
Korean 1985 (KR <±1m), Suwon, Bessel
Tokyo 1892 (KR,KP <±10m), Nikon-Keido-Genten, Bessel
Tokyo 1918 (KR <±2m), Nikon-Keido-Genten, Bessel

WGS84 (Worldwide GPS), geocentric, WGS84
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

Sri Lanka (LK)
  Coordinate Systems
    UTM coordinates (northern hemisphere)
    Sri Lanka Kandawala Transverse Mercator
    Sri Lanka SL_GRID_99 Transverse Mercator
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    WGS84 (Worldwide GPS), geocentric, WGS84
    Kandawala (LK 3Param.), Kandawala, Everest 1830/1937
    Kandawala (LK 7Param.), Kandawala, Everest 1830/1937
    SLD99 (LK), Diyatalawa, Everest 1830/1937
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

Uzbekistan (UZ)
  Coordinate Systems
    Gauss-Krueger (6 degrees wide strips)
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    SC42 / S42 (UZ), Kitab Observatory, Krassowsky
    SC42 / S42 (KZ+UZ? <±2m), Pulkovo, Krassowsky
    SC42 / S42 (KZ+UZ? <±25m), Pulkovo, Krassowsky
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    PZ-90 Roßbach 2000 (Worldwide GLONASS), geoc., PZ-90
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

Vietnam (VN)
  Coordinate Systems
    UTM coordinates (northern hemisphere)
    Vietnamese VN2000 coordinates (6 degrees strips)
    Vietnamese VN2000 coordinates (3 degrees strips)
    Vietnamese GK106NE Gauss-Krueger coordinates
    Vietnamese TM106NE Transverse Mercator coord.
    Gauss-Krueger (6 degrees wide strips)
    Gauss-Krueger coord. (3 degrees wide strips)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    VN2000 (VN), Hanoi, WGS84

Hanoi1972 (VN <±5m), Pulkovo, Krassowsky
Indian1960 (VN, onshore), Kalianpur, Everest 1830/1937
Indian1960 (VN, Con Son Isl.), Kalianpur, Everest 1830/1937
WGS84 (Worldwide GPS), geocentric, WGS84
WGS72BE (Worldwide), geocentric, WGS72
WGS72 (Worldwide), geocentric, WGS72
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

Multinational Coordinate Systems
  Coordinate Systems
    UTM coordinates (northern hemisphere)
    UTM coordinates (southern hemisphere)
    UTMref (MGRS) (Meter grid mesh)
    Gauss-Krueger coord. (3 degrees wide strips)
    Gauss-Krueger (6 degrees wide strips)
    Geographic coordinates (Greenwich) [sec]
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    WGS72BE (Worldwide), geocentric, WGS72
    PZ-90 Roßbach 2000 (Worldwide GLONASS), geoc., PZ-90
    Pulkovo1995 (EU-E/AS[FSU] 2008 <±1m), Pulkovo, Krassowsky
    Pulkovo1942 (EU-E/AS[FSU] 2008 <±3m), Pulkovo, Krassowsky
    Pulkovo1995 (EU-E/AS[FSU] no_defs), Pulkovo, Krassowsky
    Pulkovo1942 (EU-E/AS[FSU] no_defs), Pulkovo, Krassowsky
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

--- Near East and Middle East ---------------------------------------

  Arabian Peninsula ((AE,BH,KW,OM,SA)
    Coordinate Systems
      UTM coordinates (northern hemisphere)
      Saudi Arabian Aramco Lambert coordinates
      Geographic coordinates (Greenwich) [deg]
      Geographic coordinates (Greenwich) [deg,min]
      Geographic coordinates (Greenwich) [deg,min,sec]
      Cartesian coordinates
    Reference Systems
      Nahrwan 1967 (AE,AZ <±5m), South base, Clarke RGS
      Nahrwan 1967 (AE <±25m), South base, Clarke RGS
      Nahrwan 1967 (OM <±25m), South base, Clarke RGS
      Nahrwan 1967 (SA <±20m), South base, Clarke RGS
      Ain el Abd 1970 (SA <±10m), Ain el Abd, Hayford/Int.
      Ain el Abd 1970 (BA <±25m), Ain el Abd, Hayford/Int.
      Ain el Abd 1970 (KW <±1m), Ain el Abd, Hayford/Int.
      WGS84 (Worldwide GPS), geocentric, WGS84
      WGS72 (Worldwide), geocentric, WGS72
      Source Reference System in an arbitrary NTv2 file

Target Reference System in an arbitrary NTv2 file

Israel (IL)
  Coordinate Systems
    UTM coordinates (northern hemisphere)
    Israelian ITM (new) Transverse Mercator coordinates
    Israelian ICS (old) Grid Cassini-Soldner coordinates
    Israelian Palestine Grid Cassini-Soldner coord.
    Israelian Palestine Belt Transv. Mercator coord.
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    WGS84 (Worldwide GPS), geocentric, WGS84
    Israel New Datum 1989 (IL <±2m), Urim 3Par, GRS80
    Israel Old Datum 1923 (IL <±10m), Jerus. 3Par, Clarke Ben.
    Israel New Datum 1989 (IL), Urim 7Par., GRS80
    Israel Old Datum 1923 (IL), Jerusalem 7Par, Clarke Ben.
    ED50 (IL onshore), U.S. DMA 1993, Hayford/Int.
    ED50 (IL offshore), TPAO 1987, Hayford/Int.
    WGS72 (Worldwide), geocentric, WGS72
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

Lebanon (LB)
  Coordinate Systems
    UTM coordinates (northern hemisphere)
    Syrian Levant Stereographic Coordinates (SY/LB)
    Syrian Lambert Coordinates (SY/LB)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    Deir ez Zor (LB <±1m), Deir, Clarke IGN
    Deir ez Zor (SY/LB <±5m), Deir, Clarke IGN
    Deir Ez Zor (LB NTv2 LB_DeirEzZor <±0.5m), Deir, Clarke IGN
    WGS84 (LB NTv2 LB_DeirEzZor <±0.5m), geozentric, WGS84
    Bekaa Valley 1920 (LB), Bekaa Valley, Clarke RGS
    WGS84 (Worldwide GPS), geocentric, WGS84
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

Syria (SY)
  Coordinate Systems
    UTM coordinates (northern hemisphere)
    Syrian Levant Stereographic Coordinates (SY/LB)
    Syrian Lambert Coordinates (SY/LB)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems

Deir ez Zor (SY/LB <±5m), Deir, Clarke IGN
WGS84 (Worldwide GPS), geocentric, WGS84
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

Multinational Coordinate Systems
  Coordinate Systems
    UTM coordinates (northern hemisphere)
    UTM coordinates (southern hemisphere)
    UTMref (MGRS) (Meter grid mesh)
    Geographic coordinates (Greenwich) [sec]
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    WGS72BE (Worldwide), geocentric, WGS72
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

--- African continent ---

  French Mayotte (YT)
    Coordinate Systems
      UTM coordinates (southern hemisphere)
      Geographic coordinates (Greenwich) [gon]
      Geographic coordinates (Greenwich) [deg]
      Geographic coordinates (Greenwich) [deg,min]
      Geographic coordinates (Greenwich) [deg,min,sec]
      Cartesian coordinates
    Reference Systems
      RGM04 (YT), geocentric, GRS80
      Combani1950 (YT), Base Combani I, Hayford/Int.
      Cadastre1997 (YT), Base Combani I, Hayford/Int.
      WGS84 (Worldwide GPS), geocentric, WGS84
      Source Reference System in an arbitrary NTv2 file
      Target Reference System in an arbitrary NTv2 file

  French Réunion (RE)
    Coordinate Systems
      UTM coordinates (southern hemisphere)
      French Réunion Gauss-Laborde coordinates
      Geographic coordinates (Greenwich) [gon]
      Geographic coordinates (Greenwich) [deg]
      Geographic coordinates (Greenwich) [deg,min]
      Geographic coordinates (Greenwich) [deg,min,sec]
      Cartesian coordinates
    Reference Systems
      RGR92 (RE), geocentric, GRS80
      PdN (RE), Piton des Neiges, Hayford/Int.
      WGS84 (Worldwide GPS), geocentric, WGS84
      Source Reference System in an arbitrary NTv2 file

Target Reference System in an arbitrary NTv2 file

Mauritius (MU)
  Coordinate Systems
    Mauritius Grid 2012 LGM2012 Lambert (2SP) coordinates
    Mauritius Grid 1994 Le Pouce Lambert (1SP) coordinates
    Rodrigues Transversal Mercator coordinates
    UTM coordinates (southern hemisphere)
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    GDM 2008 (MU <±1m), geocentric, WGS84
    Le Pouce 1934 (MU 7Par 2008 <±1m), Le Pouce, Clarke RGS
    Le Pouce 1934 (MU 3Par 2008 <±1m), Le Pouce, Clarke RGS
    Le Pouce 1934 (MU 3Par 1994 <±2m), Le Pouce, Clarke RGS
    Rodrigues (MU no_defs), Le Pouce, Clarke RGS
    WGS84 (Worldwide GPS), geocentric, WGS84
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

Morocco (MA)
  Coordinate Systems
    UTM coordinates (northern hemisphere)
    Moroccan Lambert 1SP Zone 1 (Nord Maroc)
    Moroccan Lambert 1SP Zone 2 (Sud Maroc)
    Moroccan Lambert 1SP Zone 3 (Sahara Nord)
    Moroccan Lambert 1SP Zone 4 (Sahara Sud)
    Moroccan Lambert 2SP Zone I (Nord Maroc)
    Moroccan Lambert 2SP Zone II (Sud Maroc, Agadir)
    Moroccan Lambert 2SP Zone III (Sahara Nord, La'youn)
    Moroccan Lambert 2SP Zone IV ((Sahara Sud, Ad-Dakhla)
    Moroccan Lambert Impetus coordinates
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    Merchich (MA), Merchich, Clarke IGN
    WGS84 (Worldwide GPS), geocentric, WGS84
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

South Afrika (ZA)
  Coordinate Systems
    UTM coordinates (southern hemisphere)
    South African Lo17 Transverse Mercator
    South African Lo19 Transverse Mercator
    South African Lo21 Transverse Mercator
    South African Lo23 Transverse Mercator
    South African Lo25 Transverse Mercator
    South African Lo27 Transverse Mercator

South African Lo29 Transverse Mercator
    South African Lo31 Transverse Mercator
    South African Lo33 Transverse Mercator
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    Hartebeesthoek94 (ZA), geocentric, WGS84
    Cape (ZA), Buffelsfontein, Clarke Arc 1880
    WGS84 (Worldwide GPS), geocentric, WGS84
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

Multinational Coordinate Systems
  Coordinate Systems
    Africa Albers Equal Area Conic coordinates
    UTM coordinates (northern hemisphere)
    UTM coordinates (southern hemisphere)
    UTMref (MGRS) (Meter grid mesh)
    Geographic coordinates (Greenwich) [sec]
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    WGS72BE (Worldwide), geocentric, WGS72
    PZ-90 Roßbach 2000 (Worldwide GLONASS), geoc., PZ-90
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

--- Australian continent ---

 Australia (AU) General
  Coordinate Systems
    MGA2020 (UTM) - Map Grid of Australia (AU) Transv. Merc.
    MGA94 (UTM) - Map Grid of Australia (AU) Transv. Merc.
    AMG (UTM) - Australian Map Grid (AU) Transv. Mercator
    ANG - Australian National Grid (yards) coord.
    PSMA (AU) Lambert Conformal Conic coordinates
    GALCC (AU) Lambert Conformal Conic coordinates
    AUS (AU) Albers Equal Area coordinates
    ACRESLC (AU) Lambert Conformal Conic coordinates
    UTM coordinates (southern hemisphere)
    UTMref (MGRS) (Meter grid mesh)
    Geographic coordinates (Greenwich) [sec]
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    GDA2020 (AU <±1m), geocentric, GRS80

GDA94 (AU <±1m), geocentric, GRS80
GDA94 (AU NTv2 GDA94_GDA2020_C <±10cm), geoc., GRS80
GDA2020 (AU NTv2 GDA94_GDA2020_C <±10cm), geoc., GRS80
GDA94 (AU NTv2 GDA94_GDA2020_CD <±10cm), geoc., GRS80
GDA2020 (AU NTv2 GDA94_GDA2020_CD <±10cm), geoc., GRS80
GDA2020 (AU fixed for GPS epoch 2017), geocentric, GRS80
GDA2020 (AU fixed for GPS epoch 2018), geocentric, GRS80
GDA2020 (AU fixed for GPS epoch 2019), geocentric, GRS80
GDA2020 (AU fixed for GPS epoch 2020), geocentric, GRS80
AGD66 (AU NTv2 A66_NAT <±0.5m), Johnston, ANS
GDA94 (AU NTv2 A66_NAT <±0.5m), geocentric, GRS80
AGD84 (AU NTv2 A84_NAT <±0.5m), Johnston, ANS
GDA94 (AU NTv2 A84_NAT <±0.5m), geocentric, GRS80
GDA94 (AU =WGS84= <±5m), geocentric, GRS80
AGD84 (AU <±1m), Johnston, ANS
AGD84 Higgins (AU <±4m), Johnston, ANS
AGD66 (AU <±1m), Johnston, ANS
ANG Australian National Grid (AU <±80m), 3P, Clarke 1858
WGS84 (Worldwide GPS), geocentric, WGS84
WGS72 (Worldwide), geocentric, WGS72
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

Australia Capital Territory (AU-ACT)
  Coordinate Systems
    ACT SGC (AU) Transverse Mercator coordinates
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    GDA2020 (AU fixed for GPS epoch 2017), geocentric, GRS80
    GDA2020 (AU fixed for GPS epoch 2018), geocentric, GRS80
    GDA2020 (AU fixed for GPS epoch 2019), geocentric, GRS80
    GDA2020 (AU fixed for GPS epoch 2020), geocentric, GRS80
    AGD66 (AU NTv2 A66_NAT <±0.5m), Johnston, ANS
    GDA94 (AU NTv2 A66_NAT <±0.5m), geocentric, GRS80
    AGD84 (AU NTv2 A84_NAT <±0.5m), Johnston, ANS
    GDA94 (AU NTv2 A84_NAT <±0.5m), geocentric, GRS80
    GDA94 (AU <±1m), geocentric, GRS80
    GDA94 (AU =WGS84= <±5m), geocentric, GRS80
    AGD84 (AU <±1m), Johnston, ANS
    AGD66 (AU <±1m), Johnston, ANS
    AGD66 (AU-ACT), Johnston, ANS
    WGS84 (Worldwide GPS), geocentric, WGS84
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

Australia Northern Territory (AU-NT)
  Coordinate Systems
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates

Reference Systems
  GDA2020 (AU fixed for GPS epoch 2017), geocentric, GRS80
  GDA2020 (AU fixed for GPS epoch 2018), geocentric, GRS80
  GDA2020 (AU fixed for GPS epoch 2019), geocentric, GRS80
  GDA2020 (AU fixed for GPS epoch 2020), geocentric, GRS80
  AGD66 (AU NTv2 A66_NAT <±0.5m), Johnston, ANS
  GDA94 (AU NTv2 A66_NAT <±0.5m), geocentric, GRS80
  AGD84 (AU NTv2 A84_NAT <±0.5m), Johnston, ANS
  GDA94 (AU NTv2 A84_NAT <±0.5m), geocentric, GRS80
  AGD66 (AU-NT), Johnston, ANS
  GDA94 (AU <±1m), geocentric, GRS80
  GDA94 (AU =WGS84= <±5m), geocentric, GRS80
  AGD84 (AU <±1m), Johnston, ANS
  GDA94 (AU <±1m), geocentric, GRS80
  AGD66 (AU <±1m), Johnston, ANS
  AGD66 (AU-ACT), Johnston, ANS
  WGS84 (Worldwide GPS), geocentric, WGS84
  Source Reference System in an arbitrary NTv2 file
  Target Reference System in an arbitrary NTv2 file

Australia New South Wales (AU-NSW)
 Coordinate Systems
  GDA (AU-NSW) Lambert Conformal Conic coordinates
  ISG - Integrated Survey Grid (AU-NSW) coordinates
  NSW (AU-NSW) Lambert Conformal Conic coordinates
  Geographic coordinates (Greenwich) [deg]
  Geographic coordinates (Greenwich) [deg,min]
  Geographic coordinates (Greenwich) [deg,min,sec]
  Cartesian coordinates
 Reference Systems
  GDA2020 (AU fixed for GPS epoch 2017), geocentric, GRS80
  GDA2020 (AU fixed for GPS epoch 2018), geocentric, GRS80
  GDA2020 (AU fixed for GPS epoch 2019), geocentric, GRS80
  GDA2020 (AU fixed for GPS epoch 2020), geocentric, GRS80
  AGD66 (AU NTv2 A66_NAT <±0.5m), Johnston, ANS
  GDA94 (AU NTv2 A66_NAT <±0.5m), geocentric, GRS80
  AGD84 (AU NTv2 A84_NAT <±0.5m), Johnston, ANS
  GDA94 (AU NTv2 A84_NAT <±0.5m), geocentric, GRS80
  AGD66 (AU-VIC/NSW), Johnston, ANS
  GDA94 (AU <±1m), geocentric, GRS80
  GDA94 (AU =WGS84= <±5m), geocentric, GRS80
  AGD84 (AU <±1m), Johnston, ANS
  AGD66 (AU <±1m), Johnston, ANS
  AGD66 (AU-ACT), Johnston, ANS
  WGS84 (Worldwide GPS), geocentric, WGS84
  Source Reference System in an arbitrary NTv2 file
  Target Reference System in an arbitrary NTv2 file

Australia South Australia (AU-SA)
 Coordinate Systems
  SA (AU) Lambert Conformal Conic coordinates
  Geographic coordinates (Greenwich) [deg]
  Geographic coordinates (Greenwich) [deg,min]
  Geographic coordinates (Greenwich) [deg,min,sec]

Cartesian coordinates
Reference Systems
GDA2020 (AU fixed for GPS epoch 2017), geocentric, GRS80
GDA2020 (AU fixed for GPS epoch 2018), geocentric, GRS80
GDA2020 (AU fixed for GPS epoch 2019), geocentric, GRS80
GDA2020 (AU fixed for GPS epoch 2020), geocentric, GRS80
AGD66 (AU NTv2 A66_NAT <±0.5m), Johnston, ANS
GDA94 (AU NTv2 A66_NAT <±0.5m), geocentric, GRS80
AGD84 (AU NTv2 A84_NAT <±0.5m), Johnston, ANS
GDA94 (AU NTv2 A84_NAT <±0.5m), geocentric, GRS80
GDA94 (AU <±1m), geocentric, GRS80
GDA94 (AU =WGS84= <±5m), geocentric, GRS80
AGD84 (AU <±1m), Johnston, ANS
AGD66 (AU <±1m), Johnston, ANS
AGD66 (AU-ACT), Johnston, ANS
WGS84 (Worldwide GPS), geocentric, WGS84
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

Australia Queensland (AU-QLD)
Coordinate Systems
BCSG02 (AU) Transverse Mercator coordinates
Geographic coordinates (Greenwich) [deg]
Geographic coordinates (Greenwich) [deg,min]
Geographic coordinates (Greenwich) [deg,min,sec]
Cartesian coordinates
Reference Systems
GDA2020 (AU fixed for GPS epoch 2017), geocentric, GRS80
GDA2020 (AU fixed for GPS epoch 2018), geocentric, GRS80
GDA2020 (AU fixed for GPS epoch 2019), geocentric, GRS80
GDA2020 (AU fixed for GPS epoch 2020), geocentric, GRS80
AGD66 (AU NTv2 A66_NAT <±0.5m), Johnston, ANS
GDA94 (AU NTv2 A66_NAT <±0.5m), geocentric, GRS80
AGD84 (AU NTv2 A84_NAT <±0.5m), Johnston, ANS
GDA94 (AU NTv2 A84_NAT <±0.5m), geocentric, GRS80
GDA94 (AU =WGS84= <±5m), geocentric, GRS80
GDA94 (AU <±1m), geocentric, GRS80
AGD84 (AU <±1m), Johnston, ANS
AGD66 (AU <±1m), Johnston, ANS
AGD66 (AU-ACT), Johnston, ANS
WGS84 (Worldwide GPS), geocentric, WGS84
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

Australia Tasmania (AU-TAS)
Coordinate Systems
ANG - Australian Nat. Grid (AU-TAS,yards) coord.
Geographic coordinates (Greenwich) [deg]
Geographic coordinates (Greenwich) [deg,min]
Geographic coordinates (Greenwich) [deg,min,sec]
Cartesian coordinates
Reference Systems
GDA2020 (AU fixed for GPS epoch 2017), geocentric, GRS80
GDA2020 (AU fixed for GPS epoch 2018), geocentric, GRS80

GDA2020 (AU fixed for GPS epoch 2019), geocentric, GRS80
GDA2020 (AU fixed for GPS epoch 2020), geocentric, GRS80
AGD66 (AU NTv2 A66_NAT <±0.5m), Johnston, ANS
GDA94 (AU NTv2 A66_NAT <±0.5m), geocentric, GRS80
AGD84 (AU NTv2 A84_NAT <±0.5m), Johnston, ANS
GDA94 (AU NTv2 A84_NAT <±0.5m), geocentric, GRS80
ANG Australian National Grid (AU <±80m), 3P, Clarke 1858
GDA94 (AU <±1m), geocentric, GRS80
GDA94 (AU =WGS84= <±5m), geocentric, GRS80
AGD84 (AU <±1m), Johnston, ANS
AGD66 (AU-TAS), Johnston, ANS
AGD66 (AU <±1m), Johnston, ANS
AGD66 (AU-ACT), Johnston, ANS
WGS84 (Worldwide GPS), geocentric, WGS84
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

Australia Victoria (AU-VIC)
 Coordinate Systems
  VICGRID94 (AU-VIC) Lambert Conformal Conic coord.
  VICGRID66 (AU-VIC) Lambert Conformal Conic coord.
  VICGRID-TM / Pseudo-AMG (AU-VIC) Transv. Merc.
  Geographic coordinates (Greenwich) [deg]
  Geographic coordinates (Greenwich) [deg,min]
  Geographic coordinates (Greenwich) [deg,min,sec]
  Cartesian coordinates
 Reference Systems
  GDA2020 (AU fixed for GPS epoch 2017), geocentric, GRS80
  GDA2020 (AU fixed for GPS epoch 2018), geocentric, GRS80
  GDA2020 (AU fixed for GPS epoch 2019), geocentric, GRS80
  GDA2020 (AU fixed for GPS epoch 2020), geocentric, GRS80
  AGD66 (AU NTv2 A66_NAT <±0.5m), Johnston, ANS
  GDA94 (AU NTv2 A66_NAT <±0.5m), geocentric, GRS80
  AGD84 (AU NTv2 A84_NAT <±0.5m), Johnston, ANS
  GDA94 (AU NTv2 A84_NAT <±0.5m), geocentric, GRS80
  GDA94 (AU <±1m), geocentric, GRS80
  GDA94 (AU =WGS84= <±5m), geocentric, GRS80
  AGD84 (AU <±1m), Johnston, ANS
  AGD66 (AU <±1m), Johnston, ANS
  AGD66 (AU-ACT), Johnston, ANS
  WGS84 (Worldwide GPS), geocentric, WGS84
  Source Reference System in an arbitrary NTv2 file
  Target Reference System in an arbitrary NTv2 file

Australia Western Australia (AU-WA)
 Coordinate Systems
  PCG2020 - Perth Costal Grid (AU-WA) Transv. Mercator
  Geographic coordinates (Greenwich) [deg]
  Geographic coordinates (Greenwich) [deg,min]
  Geographic coordinates (Greenwich) [deg,min,sec]
  Cartesian coordinates
 Reference Systems
  GDA2020 (AU fixed for GPS epoch 2017), geocentric, GRS80
  GDA2020 (AU fixed for GPS epoch 2018), geocentric, GRS80

GDA2020 (AU fixed for GPS epoch 2019), geocentric, GRS80
GDA2020 (AU fixed for GPS epoch 2020), geocentric, GRS80
AGD66 (AU NTv2 A66_NAT <±0.5m), Johnston, ANS
GDA94 (AU NTv2 A66_NAT <±0.5m), geocentric, GRS80
AGD84 (AU NTv2 A84_NAT <±0.5m), Johnston, ANS
GDA94 (AU NTv2 A84_NAT <±0.5m), geocentric, GRS80
GDA94 (AU <±1m), geocentric, GRS80
GDA94 (AU =WGS84= <±5m), geocentric, GRS80
AGD84 (AU <±1m), Johnston, ANS
AGD66 (AU <±1m), Johnston, ANS
AGD66 (AU-ACT), Johnston, ANS
WGS84 (Worldwide GPS), geocentric, WGS84
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

GPS Measurements - ITRS epochs
  Coordinate Systems
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    MGA94 (UTM) - Map Grid of Australia (AU) Transv. Merc.
    UTM coordinates (southern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Cartesian coordinates
  Reference Systems
    GDA2020 (AU ITRS epoch 2020), GRS80
    ITRS (AU GPS measurements epoch 2018), WGS84
    ITRS14 (AU GPS measurements epoch 2014), WGS84
    ITRS15 (AU GPS measurements epoch 2015), WGS84
    ITRS16 (AU GPS measurements epoch 2016), WGS84
    ITRS17 (AU GPS measurements epoch 2017), WGS84
    ITRS18 (AU GPS measurements epoch 2018), WGS84
    ITRS19 (AU GPS measurements epoch 2019), WGS84
    ITRS20 (AU GPS measurements epoch 2020), WGS84
    ITRS21 (AU GPS measurements epoch 2021), WGS84
    ITRS22 (AU GPS measurements epoch 2022), WGS84
    ITRS23 (AU GPS measurements epoch 2023), WGS84
    ITRS24 (AU GPS measurements epoch 2024), WGS84
    ITRS25 (AU GPS measurements epoch 2025), WGS84
    GDA2020 (AU fixed for GPS epoch 2017), geocentric, GRS80
    GDA2020 (AU fixed for GPS epoch 2018), geocentric, GRS80
    GDA2020 (AU fixed for GPS epoch 2019), geocentric, GRS80
    GDA2020 (AU fixed for GPS epoch 2020), geocentric, GRS80
    WGS84 (Worldwide GPS), geocentric, WGS84
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

New Zealand (NZ)
  Coordinate Systems
    UTM coordinates (southern hemisphere)
    New Zealand NZTM2000 Transverse Mercator coord.
    New Zealand oi-CITM2000 Chatham Isl. TM coord.
    New Zealand Circuit 2000 Chatham Isl. TM coord.
    New Zealand oi-AKTM2000 Auckland Isl. TM coord.

New Zealand oi-CATM2000 Campbell Isl. TM coord.
New Zealand oi-AITM2000 Antipodes Isl. TM coord.
New Zealand oi-RITM2000 Raoul Isl. Transv. Merc. coord.
New Zealand mc-EDENTM2000 Transverse Mercator
New Zealand mc-PLENTM2000 Transverse Mercator
New Zealand mc-POVETM2000 Transverse Mercator
New Zealand mc-HAWKTM2000 Transverse Mercator
New Zealand mc-TARATM2000 Transverse Mercator
New Zealand mc-TUHITM2000 Transverse Mercator
New Zealand mc-WANGTM2000 Transverse Mercator
New Zealand mc-WAIRTM2000 Transverse Mercator
New Zealand mc-WELLTM2000 Transverse Mercator
New Zealand mc-COLLTM2000 Transverse Mercator
New Zealand mc-NELSTM2000 Transverse Mercator
New Zealand mc-KARATM2000 Transverse Mercator
New Zealand mc-BULLTM2000 Transverse Mercator
New Zealand mc-GREYTM2000 Transverse Mercator
New Zealand mc-AMURTM2000 Transverse Mercator
New Zealand mc-MARLTM2000 Transverse Mercator
New Zealand mc-HOKITM2000 Transverse Mercator
New Zealand mc-OKARTM2000 Transverse Mercator
New Zealand mc-JACKTM2000 Transverse Mercator
New Zealand mc-PLEATM2000 Transverse Mercator
New Zealand mc-GAWLTM2000 Transverse Mercator
New Zealand mc-TIMATM2000 Transverse Mercator
New Zealand mc-LINDTM2000 Transverse Mercator
New Zealand mc-NICHTM2000 Transverse Mercator
New Zealand mc-YORKTM2000 Transverse Mercator
New Zealand mc-OBSETM2000 Transverse Mercator
New Zealand mc-TAIETM2000 Transverse Mercator
New Zealand mc-BLUFTM2000 Transverse Mercator
New Zealand NZCS2000 Contin. Shelf Lambert coord.
New Zealand DGLC2000 Darwin Glacier Lambert coord.
New Zealand CITM1979 Chatham Isl. Transv. Merc. coord.
New Zealand NIYG1949 North Island Transv. Merc. coord.
New Zealand SIYG1949 South Island Transv. Merc. coord.
New Zealand Mercator 41 coordinates
New Zealand NIWA Albers Equal Area coordinates
Geographic coordinates (Greenwich) [deg]
Geographic coordinates (Greenwich) [deg,min]
Geographic coordinates (Greenwich) [deg,min,sec]
Cartesian coordinates
Reference Systems
NZGD2000 (NZ), geocentric, GRS80
NZGD2000 (NZ NTv2 NZGD2KGR <±0.5m), geocentric, GRS80
NZGD1949 (NZ NTv2 NZGD2KGR <±0.5m), Papatahi, Hayford/Int.
RSRGD2000 (NZ, Ross Sea Reg.), geocentric, GRS80
CIGD1979 (NZ Chatham Isl. <±2m), Astro, Hayford/Int.
CIGD1971 (NZ Chatham Isl. <±15m), Astro, Hayford/Int.
NZGD1949 (NZ <±4m 7Par), Papatahi, Hayford/Int.
NZGD1949 (NZ <±5m, 3Par), Papatahi, Hayford/Int.
WGS84 (Worldwide GPS), geocentric, WGS84
WGS72 (Worldwide), geocentric, WGS72
Source Reference System in an arbitrary NTv2 file

Target Reference System in an arbitrary NTv2 file

Multinational Coordinate Systems
  Coordinate Systems
    PDC (Pazific) Mercator coordinates
    Geographic coordinates (Greenwich) [sec]
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    WGS72BE (Worldwide), geocentric, WGS72
    NAD83(NSRS MA11) (US), geocentric, GRS80
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

--- Polynesia, Indonesia, Micronesia --------------------------------

  French Polynesia (PF)
    Coordinate Systems
      UTM coordinates (southern hemisphere)
      Geographic coordinates (Greenwich) [deg]
      Geographic coordinates (Greenwich) [deg,min]
      Geographic coordinates (Greenwich) [deg,min,sec]
      Cartesian coordinates
    Reference Systems
      RGPF (PF ±0.5m), geocentric, GRS80
      Tahiti52 (PF Tahiti ±10m), Tahiti, Hayford/Int.
      Tahiti79 (PF Tahiti ±1m), Tahiti, Hayford/Int.
      Tahaa54 (PF Tahaa ±1m), Tahaa, Hayford/Int.
      FatuIva72 (PF Fatu [H]iva ±2m), Fatu Huku, Hayford/Int.
      Moorea87 (PF Moorea ±1m), Tahiti, Hayford/Int.
      Maupiti83 (PF Maupiti ±1m), Pitiahe, Hayford/Int.
      IGN63 (PF Hiva Oa ±1m), Atuona, Hayford/Int.
      IGN72 (PF Nuku Hiva ±1m), Taiohae, Hayford/Int.
      WGS84 (Worldwide GPS), geocentric, WGS84
      WGS72 (Worldwide), geocentric, WGS72
      Source Reference System in an arbitrary NTv2 file
      Target Reference System in an arbitrary NTv2 file

  Guam (US-GU)
    Coordinate Systems
      Guam Map Grid Transverse Mercator coordinates
      UTM coordinates (northern hemisphere)
      Geographic coordinates (Greenwich) [deg]
      Geographic coordinates (Greenwich) [deg,min]
      Geographic coordinates (Greenwich) [deg,min,sec]
      Cartesian coordinates
    Reference Systems
      NAD83(NSRS MA11) (US), geocentric, GRS80
      NAD83(HARN) (US-GU NTv2 GUHPGN ±0.1m), geocentric, GRS80
      NAD83 (US-GU NTv2 GUHPGN ±0.1m), geocentric, GRS80

Guam1963 (US-GU ±3m), Tagcha, Clarke
WGS84 (Worldwide GPS), geocentric, WGS84
WGS72 (Worldwide), geocentric, WGS72
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

Philippines (PH)
  Coordinate Systems
    UTM coordinates (northern hemisphere)
    Philippines PTM zone I Transverse Mercator coord.
    Philippines PTM zone II Transverse Mercator coord.
    Philippines PTM zone III Transverse Mercator coord.
    Philippines PTM zone IV Transverse Mercator coord.
    Philippines PTM zone V Transverse Mercator coord.
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    PRS92 (PH), Balanacan, Clarke
    Luzon1911 (PH, excl. Mindanao <±10m), Balanacan, Clarke
    Luzon1911 (PH, Mindanao <±25m), Balanacan, Clarke
    WGS84 (Worldwide GPS), geocentric, WGS84
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

Singapore (SG)
  Coordinate Systems
    Singapore SVY21 Transverse Mercator
    Singapore Grid Cassini-Soldner coordinates
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    Kertau 1968 (MY,SG), Kertau, Everest 1830/Mod.
    SVY21 (SG), Base7, WGS84
    WGS84 (Worldwide GPS), geocentric, WGS84
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

Taiwan (TW)
  Coordinate Systems
    Taiwan TM2 zone 119 Transverse Mercator coordinates
    Taiwan TM2 zone 121 Transverse Mercator coordinates
    UTM coordinates (northern hemisphere)
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    TWD97 (TW <±1m), geocentric, GRS80
    TWD67 (TW), Hu Tzu Shan, GRS67 modified

Hu Tzu Shan 1950 (TW <±15m), Hu Tzu Shan, Hayford/Int.
WGS84 (Worldwide GPS), geocentric, WGS84
Source Reference System in an arbitrary NTv2 file
Target Reference System in an arbitrary NTv2 file

Multinational Coordinate Systems
  Coordinate Systems
    UTM coordinates (northern hemisphere)
    UTM coordinates (southern hemisphere)
    UTMref (MGRS) (Meter grid mesh)
    Geographic coordinates (Greenwich) [sec]
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]
    Cartesian coordinates
  Reference Systems
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    WGS72BE (Worldwide), geocentric, WGS72
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

--- Worldwide systems --

International Coordinate Systems
  Coordinate Systems
    UTM coordinates (northern hemisphere)
    UTM coordinates (southern hemisphere)
    UTMref (MGRS) (Centimeter grid mesh)
    UTMref (MGRS) (Meter grid mesh)
    UTMref (MGRS) (10 meter grid mesh)
    UTMref (MGRS) (100 meter grid mesh)
    UTMref (MGRS) (Kilometer grid mesh)
    UTM Grid Coordinates (Meter grid mesh)
    World Mercator coordinates
    Gauss-Krueger coord. (3 degrees wide strips)
    Gauss-Krueger (6 degrees wide strips)
    Plate Carrée EquiRectangular coordinates
    Gall Isographic coordinates
    PDC (Pazific) Mercator coordinates
    (Google) Plus Code / Open Location Code (8+7 Center)
    (Google) Plus Code / Open Location Code (8+7 SW-Corner)
    (Google) Plus Code / Open Location Code (8+2 Center)
    (Google) Plus Code / Open Location Code (8+2 SW-Corner)
    (Google) Plus Code / Open Location Code (2/4 Center)
    (Google) Plus Code / Open Location Code (2/4 SW-Corner)
    NAC-Code [(c) NAC Geographic Products Inc.]
    GEOREF Code (Aircraft Navigation)
    QTH Code (Maidenhead)
    Geographic coordinates (Greenwich) [gon]
    Geographic coordinates (Greenwich) [sec]
    Geographic coordinates (Greenwich) [deg]
    Geographic coordinates (Greenwich) [deg,min]
    Geographic coordinates (Greenwich) [deg,min,sec]

Cartesian coordinates
  Reference Systems
    WGS84 (Worldwide GPS), geocentric, WGS84
    WGS72 (Worldwide), geocentric, WGS72
    WGS72BE (Worldwide), geocentric, WGS72
    PZ-90 Roßbach 2000 (Worldwide GLONASS), geoc., PZ-90
    PZ-90 Roßbach 1996 (Worldwide GLONASS), geoc., PZ-90
    PZ-90 Misra 1996 (Worldwide GLONASS), geoc., PZ-90
    GRS80a Authalic Sphere (Worldwide), geocentric, Sphere
    Source Reference System in an arbitrary NTv2 file
    Target Reference System in an arbitrary NTv2 file

Google/OSM World/Pixel/Tile Coordinates
  Coordinate Systems
    Google Spherical Mercator coordinates
    Google World Coordinates, Range 0-256
    Google Pixel Coordinates Zoom Factor 0
    Google Pixel Coordinates Zoom Factor 1
    Google Pixel Coordinates Zoom Factor 2
    Google Pixel Coordinates Zoom Factor 3
    Google Pixel Coordinates Zoom Factor 4
    Google Pixel Coordinates Zoom Factor 5
    Google Pixel Coordinates Zoom Factor 6
    Google Pixel Coordinates Zoom Factor 7
    Google Pixel Coordinates Zoom Factor 8
    Google Pixel Coordinates Zoom Factor 9
    Google Pixel Coordinates Zoom Factor 10
    Google Pixel Coordinates Zoom Factor 11
    Google Pixel Coordinates Zoom Factor 12
    Google Pixel Coordinates Zoom Factor 13
    Google Pixel Coordinates Zoom Factor 14
    Google Pixel Coordinates Zoom Factor 15
    Google Pixel Coordinates Zoom Factor 16
    Google Pixel Coordinates Zoom Factor 17
    Google Pixel Coordinates Zoom Factor 18
    Google Pixel Coordinates Zoom Factor 19
    Google Pixel Coordinates Zoom Factor 20
    Google Pixel Coordinates Zoom Factor 21
    Google Pixel Coordinates Zoom Factor 22
    Google Pixel Coordinates Zoom Factor 23
    Google Tiles Coordinates Zoom Factor 0
    Google Tiles Coordinates Zoom Factor 1
    Google Tiles Coordinates Zoom Factor 2
    Google Tiles Coordinates Zoom Factor 3
    Google Tiles Coordinates Zoom Factor 4
    Google Tiles Coordinates Zoom Factor 5
    Google Tiles Coordinates Zoom Factor 6
    Google Tiles Coordinates Zoom Factor 7
    Google Tiles Coordinates Zoom Factor 8
    Google Tiles Coordinates Zoom Factor 9
    Google Tiles Coordinates Zoom Factor 10
    Google Tiles Coordinates Zoom Factor 11
    Google Tiles Coordinates Zoom Factor 12
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Google Tiles Coordinates Zoom Factor 14
        Google Tiles Coordinates Zoom Factor 15
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        Google Tiles Coordinates Zoom Factor 23
        (Google) Plus Code / Open Location Code (8+7 Center)
        (Google) Plus Code / Open Location Code (8+7 SW-Corner)
        (Google) Plus Code / Open Location Code (8+2 Center)
        (Google) Plus Code / Open Location Code (8+2 SW-Corner)
        (Google) Plus Code / Open Location Code (2/4 Center)
        (Google) Plus Code / Open Location Code (2/4 SW-Corner)
        Geographic coordinates (Greenwich) [deg]
        Geographic coordinates (Greenwich) [deg,min]
        Geographic coordinates (Greenwich) [deg,min,sec]
        Cartesian coordinates
      Reference Systems
        Google Spherical Mercator (weltweit), geocentric, WGS84
        WGS84 (Worldwide GPS), geocentric, WGS84
        Source Reference System in an arbitrary NTv2 file
        Target Reference System in an arbitrary NTv2 file

   GPS Measurements - ITRS epochs
     Coordinate Systems
        Geographic coordinates (Greenwich) [deg]
        Geographic coordinates (Greenwich) [deg,min]
        Geographic coordinates (Greenwich) [deg,min,sec]
        UTM coordinates (northern hemisphere)
        UTM coordinates (southern hemisphere)
        Cartesian coordinates
     Reference Systems
        ITRF2014 [WGS84 G1934] (worldwide), geocentric, WGS84
        ITRF2008 [WGS84 G1762] (worldwide), geocentric, WGS84
        ITRF2005 [WGS84 G1674] (worldwide), geocentric, WGS84
        ITRF2000 [WGS84 G1150] (worldwide), geocentric, WGS84
        ITRF90 [WGS84 G730] (worldwide), geocentric, WGS84
        WGS84 (Worldwide GPS), geocentric, WGS84
        Source Reference System in an arbitrary NTv2 file
        Target Reference System in an arbitrary NTv2 file

 --- User definitions --
   User-defined systems
     Coordinate Systems
        First user-defined Coordinate System
          (must be defined by function setUserCoordSys1())
        Second user-defined Coordinate System
          (must be defined by function setUserCoordSys2())
     Reference Systems
        Standard Reference System
          (see: Coordinate Systems / Standard RefSys)

User-defined geodetic Reference System
  (must be defined by function setuserrefsys())
Without Reference System Transition on standard ellipsoids
Without Reference System Transition on user defined ellipsoids
Without Reference System Transition and Ellipsoid Transition
[End of List]

Killet GeoSoftware Ing.-GbR (KilletSoft)
Escheln 28a
47896 Kempen
Germany

Phone: +49 (0)2152 961127
Telefax: +49 (0)2152 961128

Email: https://www.killetsoft.de/email.htm
Internet: https://www.killetsoft.de