Trimble

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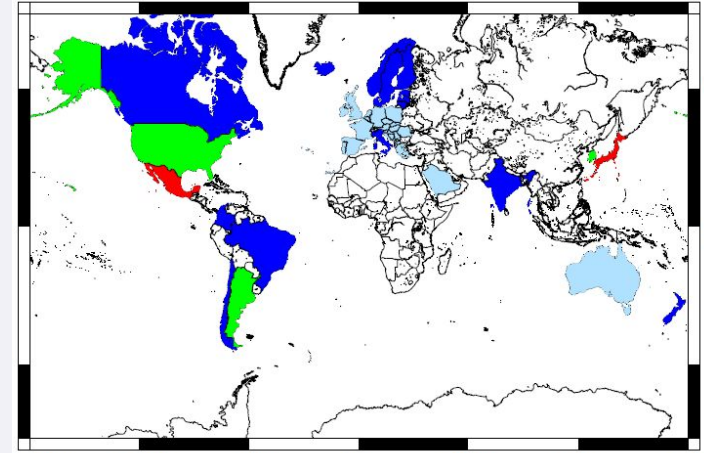
NSRS 2022

Integration in Trimble Software

NAD 83

We today support

- NAD 83(2011/PA11/MA11) for USA
  + CA SRS Epoch 2017.5 (NAD83) for California
  + NAD83(CSRS)v7-1997/2002/2010 for Canada
- HTDP 3.4 using grid files in Trimble format for USA
  + CSRS Velocity Grid V7.0 for Canada
- State Planes Coordinate System zones
  + wide area zones for GIS
  + county systems for several states
- GEOID18 for US
  + CGG2013a for Canada

We are adding support for old realizations, through grid transformations...

Map of Displacement Models

Euler Poles
Average Velocity only
Velocity + EQ + PS
Distortion grid

NSRS 2022

We plan to add

- N/P/C/MRF2022 for USA
  What about California
  & Canada?
- New IFDM and new EPs, using grid files in Trimble format
  What about Canada?
- State Planes Coordinate System zones 2022
  + including wide area zones for GIS & LDP zones for several states
  What about Canada?
- GEOID22 for US & Canada

- We are adding support for old realizations, through grid transformations.

Expected inputs

We would like

- 14 parameter transformations from ITRF2020 to N/P/C/MRF2022
- IFDM in a format we can convert into Trimble format for integration and beta testing.
  (GGXF may be a little too early at this stage, because it is not completed.
  But we will support it when completed.)
- State Planes Coordinate System zones parameters in any ASCII format,
  so we we can import parameters automatically, for all 968 zones.
  (BTW we would also need test points, like 5 points per zone, to ensure parameters
  were imported properly, with resulting zones providing expected coordinates.
- GEOID22 in a format we can convert into Trimble format.
- Datum Grid Transformations between NAD 83 and NSRS 2022,
  in a format we can convert into Trimble format.

Thank You

For Questions
or Feedback
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