

What is TeroPoint?

TeroPoint is an online service (<http://www.teropoint.com>) that provides coordinates directly from raw GNSS observations into the *Official National Coordinate Reference Frame*.

TeroPoint uses an authorized access to the Automatic Precise Positioning Service of the Global Differential GPS System of JPL (NASA, USA) to ensure reliable and fast processing of the raw data based on the Precise Point Positioning technique.

TeroPoint provides official coordinates certified by the National Mapping Agency.

How TeroPoint works?

The user creates an account and obtains credits to process several points.

The user uploads Observation file(s) using his/her account. TeroPoint communicates with JPL to process the data.

The solution computed at JPL is mapped into the national reference frame selected by the user using a dedicated transformation based on the epoch of observation.

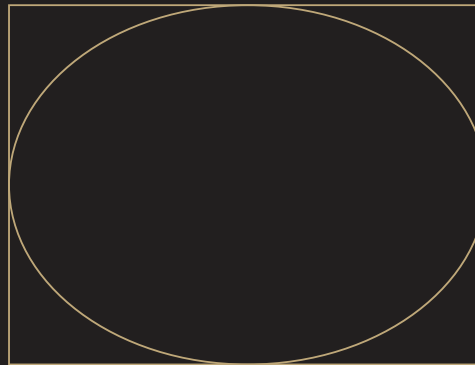
TeroPoint returns the solution (in global and local coordinates) to the user together with the associated uncertainties.

When and Where?

TeroPoint is suitable to estimate geodetic-grade solutions based on relatively long observation time-spans: centimeter-level for hourly observations into millimeter-level for daily observations.

TeroPoint serves the public and private users that need to implement very accurate points temporarily (e.g., engineering projects) or permanently (e.g., densification of the national reference frame).

TeroPoint can also be used in areas where no RTK corrections are available to establish control points (e.g., for surveying support, airborne photogrammetry).



Benefits

Web-service permanently available – users can process the solutions in the field if they have access to the internet. Solutions can be obtained few hours after data acquisition. Based on a proven and reliable scientific software: GipsyX, the latest version of the GIPSY-OASIS software package that uses the Precise Point Positioning processing strategy.

— For mapping agencies:

- No need to train human resources or make large investments in offline software that might be used only occasionally;
- Regular revenue (from royalties) without any investment.

— For public and private users:

- Pay-per-use – no additional fees or investments in advance;
- Guarantee of quality and compatibility of the solutions based on the experience of TeroMovigo & JPL and certification of the National Mapping Agency.

- TeroPoint is not recommended to compute solutions based in few minutes of observations.

A spin-off of the



In collaboration with



Online Accurate Positioning

Coordinates directly in your
official National Reference Frame



www.teromovigo.ubi.pt



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