

Trimble CenterPoint® RTX™

Trimble Real-time CenterPoint RTX Correction Service for Applanix Products and Solutions

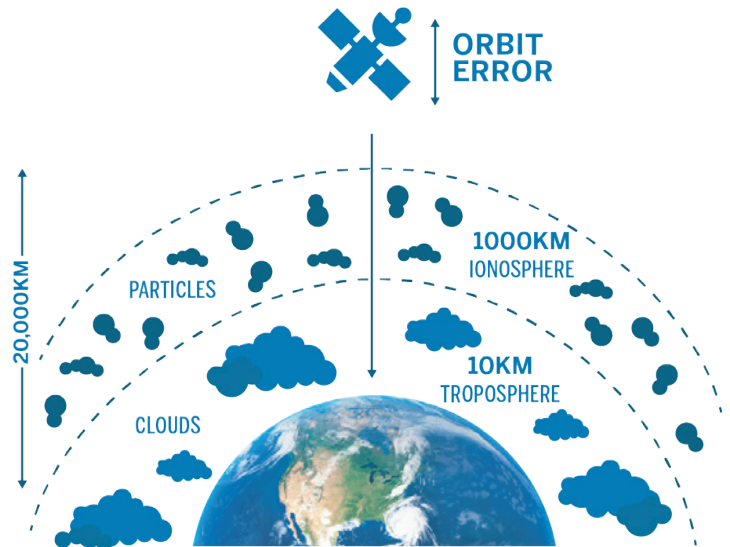
HIGH ACCURACY FOR THE MOST PRECISE JOBS

The Trimble Real-Time CenterPoint® RTX™ correction service is a high-accuracy, satellite-delivered global positioning service that is available across Applanix's entire mapping portfolio. As a Trimble Company, Applanix is unique in the marketplace in its ability to offer this industry-leading performance and reliability.

FLEXIBLE SUBSCRIPTION

The Trimble CenterPoint RTX correction service yearly subscription is delivered by L-Band satellite or by the Internet. This breakthrough technology provides high accuracy GNSS positioning without the use of traditional reference station-based differential RTK infrastructure. Benefit from more uptime, fast initialization, hardware savings, and more. Generate map products faster and with a significantly reduced cost.

Please visit the Trimble.RTX website for more information.

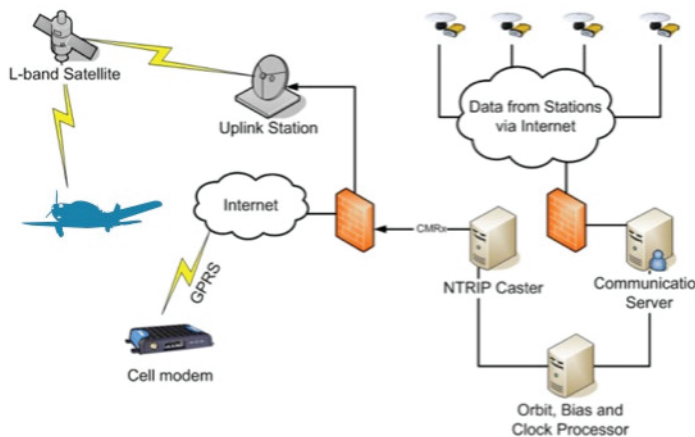


RTX removes the effects of satellite orbital errors and atmospheric delays without the need for base stations



Precise corrections. Every time.

The CenterPoint RTX correction service gives Applanix products the ability to achieve high accuracy for many types of mapping projects in real time and postmission, all without the need for base stations – an industry first!



Real-time Integrity Monitoring

LEARN MORE

To learn more about the Trimble CenterPoint RTX service and satellite coverage, please visit: <https://positioningservices.trimble.com/en/rtx>

Real-Time CenterPoint RTX Correction Key Benefits

- Very High Accuracy: < 0.04m RMS Horizontal, < 0.08m RMS Vertical
- Speed and Low Cost – no need for setting up base stations, no need to wait for delivery of public-domain ephemeris data
- Simplicity – deal directly with Trimble (no 3rd party involvement whatsoever)
- More Uptime and Reliability – use Trimble's professionally managed, highly maintained private network instead of unreliable public networks
- Ease of Use – there is no additional hardware to purchase, integrate or maintain
- Fast and reliable convergence – 15 minutes or less to full accuracy
- Integrated with POS AV, AP HW V6, APX, and AP+
- Latest firmware – firmware upgrade provided for no charge if under maintenance

Applanix® POSPac Post-Processed CenterPoint RTX (PP-RTX)

Correction Service for Applanix Products and Solutions

RENOWNED ACCURACY, FASTER THAN EVER WITHOUT BASE STATIONS

Applanix POSPac PP-RTX is a cloud based global GNSS correction service which utilizes Trimble's RTX technology to provide cm level post-processed positioning accuracy without base stations. The Trimble RTX technology utilizes data from a dedicated global network of tracking stations to compute corrections to satellite orbit and clock information as well as atmospheric delay models. POSPac uses this data to post-process the GNSS-Inertial Trajectory and an addition to the known SingleBase, SmartBase and MultiSingleBase augmentation processing methods.

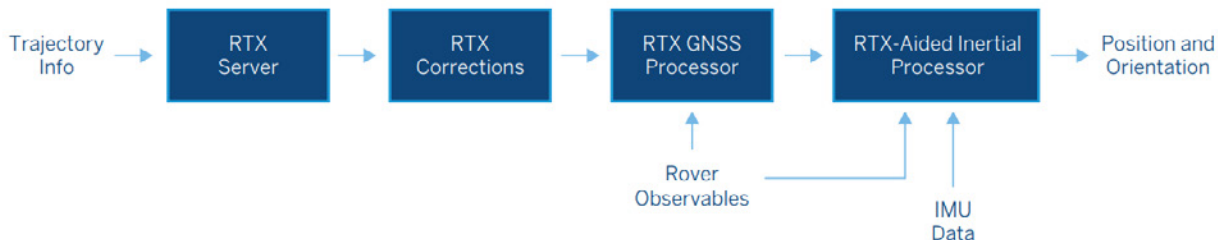
HOW DOES IT WORK?

Trajectory information logged during the mission is sent to the Trimble RTX server by POSPac. This information is used to generate a set of RTX corrections unique to the mission, which are then transmitted back to POSPac. POSPac processes the corrections along with the raw GNSS and IMU data to generate an SBET with cm level accuracy, all without the need for local base stations. Using the new **IN-Fusion+ PP-RTX 2** service skips the upload of the trajectory data and only downloads correction data.

Applanix POSPac PP-RTX™

Key Benefits

- Subscription based license (6, 12, 24 or 36 months)
- Worldwide coverage
- Data is available within minutes after mission completion
- CM level accuracy, approaching that of RTK
- Eliminate the need of base station data
 - From own setup
 - From various download sources
 - From commercial provider procurement
- Easy and robust use
- Improves efficiency and productivity



WHAT ARE THE ADVANTAGES OF PP-RTX OVER REAL-TIME CENTERPOINT RTX?

PP-RTX is covered worldwide while Real-Time CenterPoint RTX via L-Band has coverage limitations (check [here](#)). Since the POSPac PP-RTX solution is processed in the forward and reverse directions and then combined, all potential convergence effects are removed. PP-RTX processed solution is better in terms of accuracy (Horizontal RMS: 3cm, Vertical RMS: 6cm). There are no limitations in terms of hardware and firmware. If post-processing is part of the workflow anyways, PP-RTX is certainly the better approach. Please refer also to our [FAQs](#) for PP-RTX

INTERESTED IN A DEMO LICENSE?

Please contact techsupport@applanix.com.

Specifications subject to change without notice.

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