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Trimble CenterPoint RTX

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

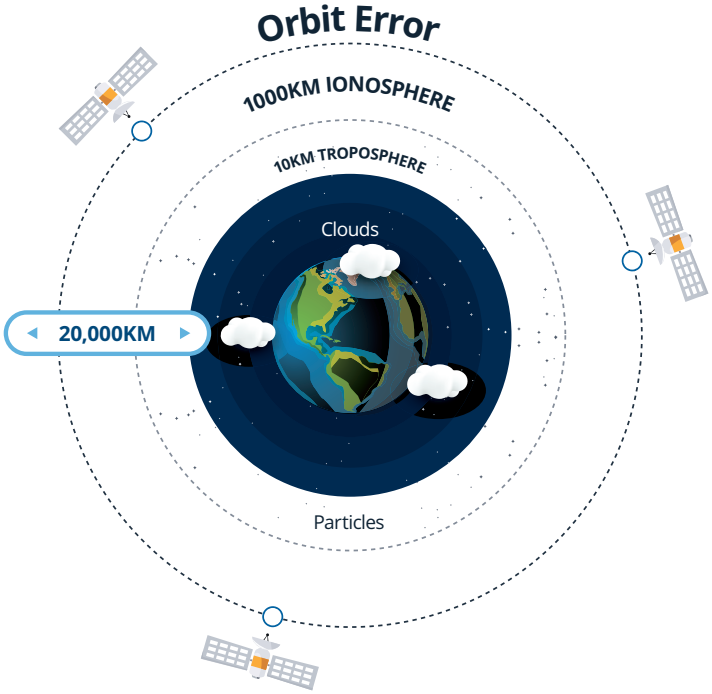
High accuracy for the most precise jobs

The real-time Trimble® CenterPoint® RTX correction service is a high-accuracy, satellite-delivered global positioning service that is available across the Applanix® 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

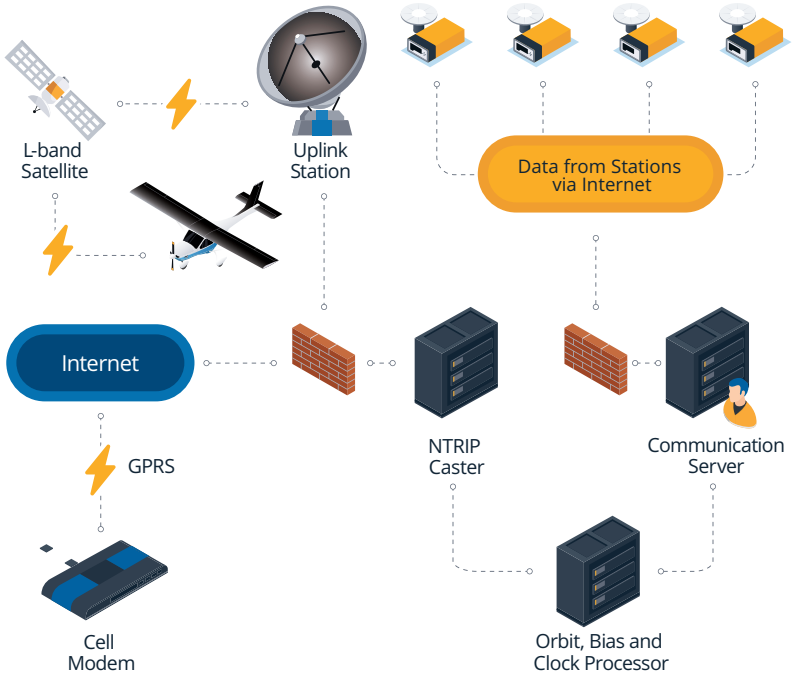
Trimble®

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 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 Applanix POS AV®, Applanix AP HW V6, Applanix APX, and Applanix AP+
- Latest firmware – firmware upgrade provided for no charge if under maintenance



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

applanix.trimble.com

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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 Trimbles 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?

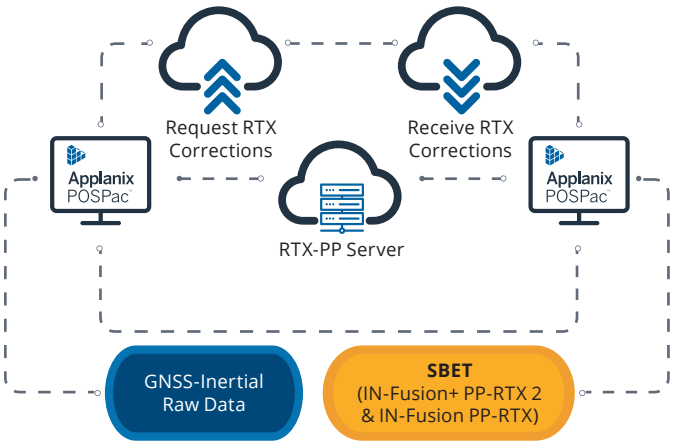
The latest generation Applanix IN-Fusion®+ PP-RTX 2 & IN-Fusion PP-RTX service available in Applanix POSPac 9.1 (and later), directly downloads the correction data without the need to upload trajectory information to the RTX-PP server (one way direction). In addition, if an internet connection is not available, RTX corrections can be logged over the air from L-Band satellite using the Trimble GNSS-inertial hardware products, and processed directly in Applanix POSPac. IN-Fusion+ PP-RTX 2 also supports better use of the multi-frequency and multisatellite constellations, including the new signals from the Beidou-III generation which contribute to improved robustness, reliability and reduced convergence time.

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.

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 SBET



Interested in a demo license?

Please contact techsupport@applanix.com

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