Trimble VRS Now Correction Service

Virtual Reference Station Technology, or VRS — pioneered by Trimble over two decades ago — remains a proven, cost-effective choice for any real-time GNSS survey application.

Developed on differential positioning technology, Trimble VRS Now™ uses a CORS network and proprietary PIVOT software to provide positioning within a fixed network coverage area. With built-in redundancy to ensure connectivity, consistency, and quality, Trimble VRS Now gives instant access to real-time network RTK corrections via a cellular and provides surveyors with the power to just connect, correct, and measure, all with the peace of mind of around the clock network monitoring, always delivering the reliability the work demands.

KEY SPECIFICATIONS:

AVAILABILITY	Select regions in **Europe, North America, Australia** and **New Zealand**
ACCURACY[1]	Precise, reliable and repeatable measurement: **< 2 cm Horizontal** and **< 3 cm Vertical** (RMS)
CONVERGENCE TIME	**Instant access** to network RTK corrections
DELIVERY	**Via Cellular** (Internet)
COMPATIBLE DEVICES	Compatible with all major receivers that support industry **standard RTCM** corrections (RTCM v3 MSM) as well as **Trimble CMR+ and CMRx** corrections
PROVEN AND TRUSTED	Backed up by **geodetic and coordinate system experts** across Trimble **24/7 network monitoring** by Trimble's Global Network Operations team **Fully redundant network** setup to increase uptime **24/7 customer support** **Easy learning curve:** simply connect, correct and measure

1.   RMS performance based on repeatable in field measurements. Achievable accuracy and initialization time may vary based on type and capability of receiver and antenna, user's geographic location and atmospheric activity, scintillation levels, GNSS constellation health and availability and level of multipath including obstructions.

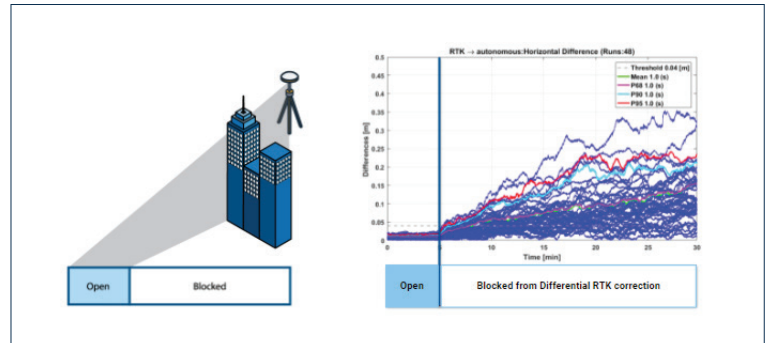## Trimble VRS Now correction service with positioning insurance (unlimited xFill correction)

With continuously evolving global constellation systems, we have more satellites available today for real-time correction stream than ever before. Trimble VRS Now correction gives you the accuracy you need, as well as the confidence that buildings, trees — even hills — are less of a challenge, resulting in more robust data and less vertical error.

While the reliable Trimble network ensures uninterrupted connectivity, the productivity in the field may be impacted by local signal interruptions, congestion or cellular outages. In such an event, you can prevent the loss of time by employing Trimble's backup solution – xFill® correction service.
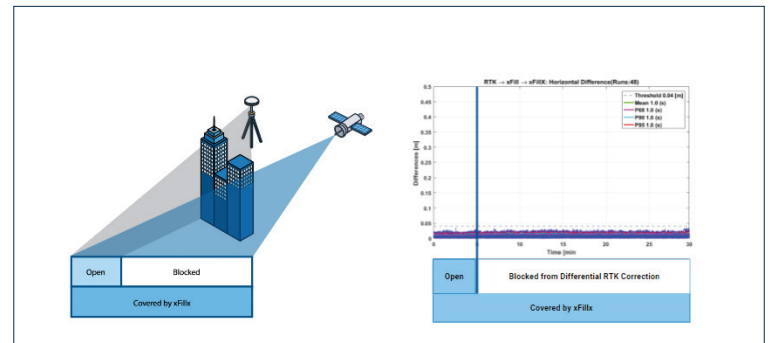
Trimble xFill correction service seamlessly "fills in" for Trimble VRS Now if required and provides valuable positioning insurance in the field. With unlimited xFill correction, you can continue surveying at centimeter-level accuracy in your local coordinate system indefinitely (or until your original correction stream is restored).

Surveyors with access to both services, Trimble VRS Now and unlimited xFill, will improve their productivity, and ultimately their profit by keeping projects on time and within budget.

Taking the positioning insurance further, having Trimble CenterPoint® RTX correction provides the same backup, all while delivering the freedom to work untethered – beyond the RTK-network footprint, anywhere and anytime.

Typical loss of correction

Loss of correction with positioning insurance

Trimble VRS Now service boosts productivity while eliminating:

- The cost of time-consuming base station setup, transfer or breakdown
- The added cost of post-processing software
- The risk of improper base station setup, which can nullify results
- The need to have someone watch/guard a base station
- The need for securing an FCC license to operate a UHF base station (or the risk of a fine for not getting a license)
- Issues with inadvertently broadcasting UHF across international borders

ACCURATE. DEPENDABLE. EASY.
That is **Trimble VRS Now.**

Learn more: positioningservices.trimble.com/industries/survey/