SUPPORT NOTE

5 NOVEMBER 2013
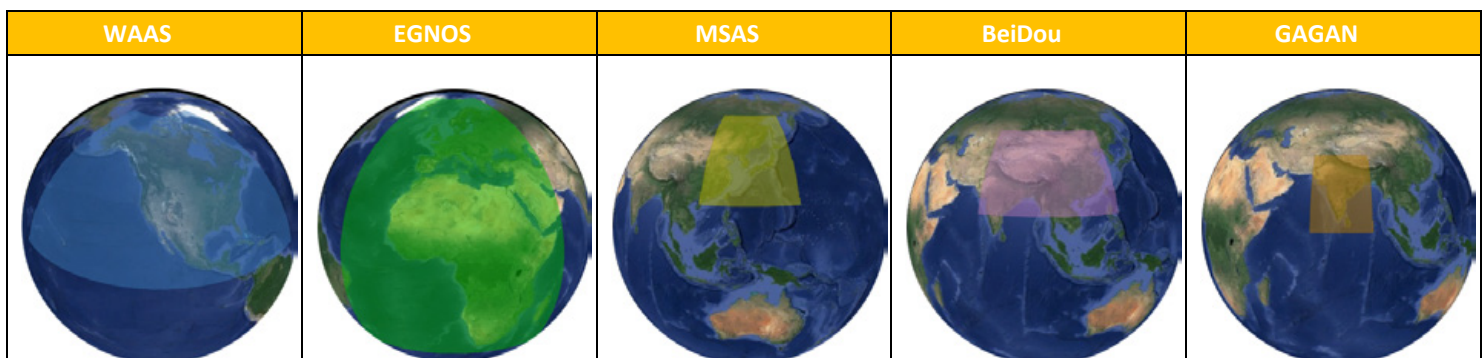
GEO 7X HANDHELD: SBAS BEHAVIOR

The Trimble® Geo 7X handheld and the Trimble GeoExplorer® 6000 series behave differently with respect to SBAS zones:

- The GeoExplorer 6000 series attempts to calculate an SBAS corrected position even when you were significantly out of zone.
- The Geo 7X handheld does not attempt to calculate SBAS positions when out of zone.

For example, in New Zealand and Montreal you can get EGNOS or WAAS corrected positions with the GeoExplorer 6000 series. This behavior is not found in the Geo 7X handheld.

By not attempting to calculate SBAS positions when out of zone, the Geo 7X handheld avoids collecting corrected SBAS positions that may be worse than autonomous positions.

The images below show the worldwide SBAS zones. Each image shows the zone for which the SBAS system is automatically used. For example, if the receiver is within the WAAS SBAS region and the SBAS mode is set to *Auto*, then the WAAS satellites are automatically tracked and the corresponding corrections are used in the position solution.

WAAS	EGNOS	MSAS	BeiDou	GAGAN

Geospatial Division, 10368 Westmoor Drive, Westminster, CO 80021, USA