

## Trimble SPS855 ergänzende Information

### 1. New „Moving Base“ Heading-Computation

- The new Moving Base CMRx corrections allow the heading solution on a compatible Trimble® SPS555H GNSS Receiver to take advantage of full GNSS by using all constellations (GPS, GLONASS, Galileo, BeiDou and QZSS). The older Moving Base CMR corrections can only support GPS and GLONASS.

The Moving Base CMRx corrections type will be available as a CMR output if the following criteria are met:

- The Trimble SPS855 GNSS Modular Receiver has Moving Base capability installed
- The operating mode can be set to 'Moving Base'

#### **Benefits**

Until now the Heading and Moving Base vector could only use GPS and GLONASS constellations. All available GNSS constellations can be used in the new format. More satellites provide more redundancy, better performance and reliability thereby lowering the risk of a heading outage.

### 2. New Radio Modules for Trimble

- Trimble® SPS985 GNSS Smart Antenna and SPS855 GNSS Modular Receiver. These new units have an improved 450MHz radio module that supports additional reception protocols and will allow contractors to use Trimble Site Positioning System receivers with different radio brands at the base station.  
*Note: The Trimble SPS985L GNSS Smart Antenna already uses this 450 MHz radio module, however customers should load GNSS firmware v4.82 to get the most benefit.*

Feature	Benefit
GNSS internal radios can receive the PCC Transparent EOT protocol	Allows Trimble rovers to be used with competitive base stations that may already be on site transmitting with that protocol so users no longer need an additional radio on the rover to work with this base
GNSS internal radios can receive SATEL protocols from base station radios	Allows Trimble rovers to be used with most competitive base stations that use a SATEL radio for transmitting corrections so users no longer require an additional radio on the rover to work with this base
Frequency range of 403 to 473 MHz for transmitting and receiving	Contractors can make use of less congested channels available in certain countries