

# Product Bulletin

Trimble Positioning Services  
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**Trimble Dealer Confidential**

## SECURITY UPGRADE AND BEAM CHANGE FOR TRIMBLE RTX SERVICES CUSTOMERS IN RUSSIA/CIS, INDIA AND MEXICO - FIRMWARE UPDATE MAY BE REQUIRED

To better serve our customers, the beams in Russia/CIS, India, and Mexico will undergo two changes in August 2022. The first change is a beam transition that will deliver higher baud rates to boost customer productivity. The second change involves an advanced encryption standard (AES) security upgrade that will protect the correction stream from fake data. **All Trimble RTX** correction service users are required to be operating on a minimum firmware version specific to their receiver type. **The required firmware versions can be found [here](#).** If the device is not listed please call [Trimble customer care](#) for assistance.

### Timeline of Events

Region	Beam	AES Activation	Beam Transition Start Date	Beam Transition End Date
Russia/CIS, India	RTXIO	August 2022	August 2022	September 2022
Mexico	RTXMX	August 2022	August 2022	September 2022

### Next Steps

Please check the firmware versions that your customers are currently using to understand if action is required.

- If your customer is using a firmware **below** the [minimum required version](#), upgrade their receiver before August 2022 to ensure that the receiver will still obtain Trimble RTX correction services.
- If your customer is using at least the minimum required version, no action is required.

**NOTE:** All customers using firmware below the minimum required version will not be able to use Trimble RTX correction services after August 2022 and need to take action as soon as possible. To minimize disruption for and to ensure a smooth transition here is an [AES summary](#).

<https://positioningservices.trimble.com/>

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## Beam Changes - Background

The new RTX beams will become operational in **August 2022**. All users of the current beams will need to migrate to the new beams during the two month overlap period, by manually implementing a frequency and baud rate settings change on each GNSS receiver before **September 2022**. Trimble will notify you with more beam transition information in early 2022.

## Advanced Encryption Standard (AES) - Background

Trimble leverages the most advanced technology available to protect our correction data streams to ensure they are reliable and trustworthy. With the activation of AES, Trimble RTX users can now be more confident that the Trimble RTX correction data is provided by Trimble only. The additional security layer of AES makes Trimble GNSS receivers less vulnerable to data pretending to be Trimble RTX correction data. Fake data, also known as 'spoofed data' could lead to unexpected effects like degraded performance, uncorrected positioning or wrong positioning.

The AES activation affects **all** Trimble RTX and Trimble xFill compatible devices, regardless of the transmission method of L-Band or IP.

## For more information

For more information please contact our local [Trimble Customer Care](#) teams.