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Eagle Point Solution to a Frequently Asked Question

How To Update your NavCom receiver(s) for the new WAAS Satellites

Summary:

This document explains the process of setting the PRN values of the new Inmarsat satellites that broadcast WAAS corrections within each of your NavCom receivers.

Product: NavCom GPS Receivers, SMI Flex

Release: Any

Related documents: [TS - WAAS Satellite Change Jul-07.pdf](#), [StarUtil.exe](#)

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As always, should you have any questions regarding any phase of installation, contact Eagle Point Technical Assistance at (800) 477-0909.

Notes:

Per the FAA on July 2, 2007: Two Inmarsat 3 satellites (PRN 122 and PRN 134) have been removed from WAAS operation (decommissioned) on Tuesday, July 31, 2007. The recently commissioned PRN 135 and PRN 138 satellites have replaced them. This change by the FAA now prevents NavCom receivers from utilizing WAAS (Wide Area Augmentation Service) based-corrections. These corrections help NavCom receivers obtain Q2 or Q3 status when used as a base or in 'autonomous' (solo) mode. These satellites are currently identified by each NavCom receiver as PRN 122 and 134. Therefore, it is necessary to make a change to each receiver such that they can recognize the newer satellites broadcasting WAAS corrections.

To proceed, follow the steps outlined below:

1. First download and brief this document from NavCom which illustrates how to perform the update:
<http://www.navcomtech.com/Support/Download/TS%20-%20WAAS%20Satellite%20Change%20Jul-07.pdf>
2. Next, you will need to get the StarUtil program from the NavCom CD that was shipped with your receivers OR you can run the StarUtil program from any firmware updates you may have received. Contact your Eagle Point representative to get the latest firmware updates.
3. Copy the StarUtil program to your PC and run the StarUtilxxx.exe. The name of the executable will start with the letters 'StarUtil' followed by the version information.
4. Connect the instrument cable to a serial port on your PC.
5. Connect the other end to COM 2 on the receiver.
6. Start StarUtil and Click on the phone button (first button) along the top and click OK.
7. If StarUtil is connected, you should see a green CONNECTED along the status bar at the bottom. Please continue by following the steps as outlined in the [TS - WAAS Satellite Change Jul-07.pdf](#) downloaded in step 1.

NOTE: The lack of WAAS corrections should not affect positions obtained via RTK (Q5) or via static post-processing. This is because WAAS is not required for generating positions at the rover for either of these methods. However, we suggest that you do make this update to take full advantage of all corrections that are available to your equipment.