

July 2007

## Support Note

### Changes to the WAAS Satellite Status (July 2007)

This document describes the changes to the WAAS (Wide Area Augmentation System) satellites.

When the old satellites (PRN 122 and 134) are decommissioned in July 2007, Ag Leader Technology, Inc. recommends that you prepare to switch your GPS receiver or EZ-lightbar to use the new satellites as a correction source.

For more information on changing the configuration and firmware changes for your Ag Leader product, visit [www.agleader.com](http://www.agleader.com) or contact Technical Support at 515-232-5363.

#### Current WAAS Satellite Status

The following WAAS satellites are currently available for use:

- PRN 122 (AOR-W)
- PRN 134 (POR)
- PRN 135
- PRN 138

#### Changes to the WAAS Satellite Status

The following changes to the WAAS satellites are due to take place in July 2007:

- PRN 122 (AOR-W) to be decommissioned
- PRN 134 (POR) to be decommissioned
- PRN 138 will be moved to active status The FAA predicts that there will be a multi-day outage of PRN 138 while the cutover from test mode to operational mode procedures are complete.

When these changes are complete, PRN 135 and PRN 138 will provide full coverage for the US and southern Canada.

## Firmware Requirements for WAAS Satellite Changes

Older firmware versions are not capable of tracking the new WAAS satellites. To allow continued use of the WAAS satellites, you may need to update the receiver's firmware. The minimum firmware requirements are shown below:

WAAS Updates – July 2007	Required Firmware Version
EZ-Guide 500	All versions
EZ-Guide Plus	4.00
GPS 5100	3.56
GPS 3000/3050/3100/4050/4100	3.00
GPS 1100/1000+	1.21
GPS 1000	2.1.1

To update your receiver's firmware, refer to [www.agleader.com](http://www.agleader.com) and select "downloads"

**Note:** For EZ-Guide Plus and EZ-Guide 500 lightbars Ag Leader Technology, Inc. recommends selecting only one of the two available WAAS satellites for operation. Selecting more than one WAAS satellite can cause possible unwanted position jumps if these WAAS satellites are tracked simultaneously.

**Note:** GPS 3100 receivers produced before 1999 with board revision AL9001 cannot be updated to the current firmware version 3.00 and will no longer be able to track WAAS after the AOR-W and POR satellites have been decommissioned. These receivers can still use Coast Guard Beacon or Omnistar VBS differential corrections.

The map shows the relative locations of the new WAAS 135 and WAAS 138 satellites over North America. The WAAS 138 satellite will improve or restore service to the northeast region of North America as well as to the Midwest.

