

EGNOS SYSTEM CHANGES

MARCH, 2017

This Technical Bulletin is directed at TeeJet guidance system users who utilize the EGNOS system in Europe. TeeJet systems operating in the rest of the world are not impacted by the changes detailed in this bulletin.

EGNOS System Changes

On March 20th, 2017 the EGNOS system began transmitting operational correction data from PRN 123, and on March 21st, 2017 operational correction data ceased being transmitted from PRN 136. PRN 120 continues to transmit operational correction data through this transition, but sometime in Q4, 2017 it is anticipated that PRN 136 will become operational again, and PRN 120 will be removed from operation at that time.

Impacts of the EGNOS System Changes to TeeJet GPS/GNSS Guidance Products

All TeeJet guidance products shipped from the factory since approximately 2012 have been configured to automatically select operational EGNOS satellites. As long as these units are still set to the Auto mode for PRN selection, they will automatically select PRN 120 & PRN 123 now, and they will automatically change that selection to PRN 123 & PRN 136 in Q4, 2017 when the EGNOS system changes again. Nothing needs to be changed on these units and they will continue to operate correctly on EGNOS.

More recent TeeJet guidance products allow the user the option to manually select PRNs instead of using the Auto PRN selection. If your unit is set to manually select PRNs, the PRN selection should be manually changed to PRN 120 & PRN 123 now in order to maintain tracking of both operational EGNOS satellites. Note: the manual PRN selection process will need to be redone to select PRN 123 & PRN 136 when the EGNOS system changes again in Q4, 2017.

If Your TeeJet Guidance System Has Recently Failed to Apply EGNOS Corrections to the Position

If running a Matrix Pro GS console:

- Make sure the console is running v3.01 or later software. The best results for most customers will be achieved using v4.11 or later together with several other changes documented at: http://www.teejet.com/literature_pdfs/technical_updates/T107_GNSS_Updates_Matrix_Pro_GS_Aeros.pdf

NOTES: Customers using a Matrix Pro GS console with a Sulky Econov spreader should not update beyond v4.12 at this time.

Customers using a Matrix Pro GS console with a Kverneland sprayer controller should not update beyond v4.12 at this time.

- Make sure that the PRN selection is set to Auto, or is set to PRN 120 & PRN 123. See notes above.

If running an Aeros console:

- The best results for most customers will be achieved using v4.11 or later together with several other changes documented at: http://www.teejet.com/literature_pdfs/technical_updates/T107_GNSS_Updates_Matrix_Pro_GS_Aeros.pdf
- Make sure that the PRN selection is set to Auto, or is set to PRN 120 & PRN 123. See notes above.

If running a TeeJet product that is not listed above, please contact TeeJet Technologies for assistance.