SERVICE ADVISORY

NO.: 1328 Rev A

TO: Owners/Operators of Garmin ADS-B Equipment

DATE: May 23, 2013

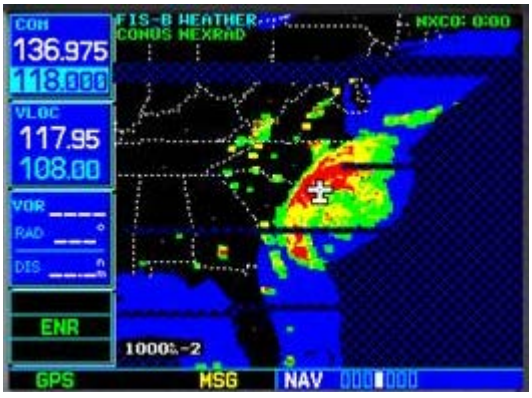
SUBJECT: FIS-B NEXRAD Weather Reception and Display

AFFECTED PRODUCTS

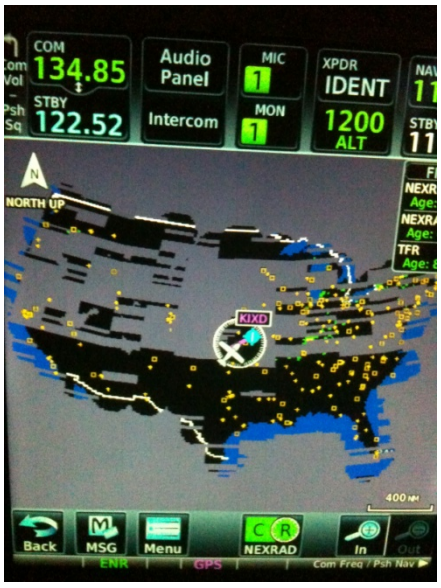
Garmin ADS-B receivers connected to Garmin GTN 6xx/7xx systems and GNS 400W/ 500W Series Units.

DESCRIPTION

FIS-B weather data reception requires line-of-sight communication between the receiver and the ADS-B ground station. Incomplete Regional and/or CONUS NEXRAD imagery displayed on the MAP and FIS-B Weather Pages of the affected products is an indicator of poor FIS-B reception. Examples below display areas where FIS-B data is unavailable or degraded due to poor reception:



GNS: Crisscrossed areas depict lack of FIS-B reception



GTN: Grayed areas depict lack of FIS-B reception

AFFECTED AREAS

Any area in the continental United States (CONUS) or Alaska where the distance from ADS-B ground stations or the combined effect of distance and low altitude is sufficiently great to cause poor reception. A good source of information for ground station coverage can be found at http://www.faa.gov/nextgen/flashmap/

Reception will improve in some affected areas as the FAA completes the NextGen ADS-B ground station infrastructure in 2014. However, due to line-of-sight broadcast characteristics, operators with properly installed and functioning equipment may still receive incomplete FIS-B data when signal reception is limited by the distance from ground stations combined with a low altitude.