



SERVICE ADVISORY

NO.: 1107 Revision A

TO: Owners and Operators of all Garmin Aviation Products using a Terrain Database

DATE: March 01, 2011

SUBJECT: Anomalies in Greenland Terrain Data May Inhibit Operational Capability

AFFECTED PRODUCTS

All Garmin aviation products that use a Terrain Database (listed below):

- GNS 400W/500W and legacy GNS 400/500 series products
- GPSMAP 296/396/495/496/695/696/aera handheld products
- G3X/G300 systems
- G500/G500H/G600 systems
- G1000, G900X, G950, Cirrus Perspective™, and Embraer Prodigy™ systems

DESCRIPTION

Areas of poor terrain data quality in Greenland (as described in Terrain Data Alert dated March 01, 2011) may adversely affect the TAWS/Terrain Alerting, ESP (Electronic Stability Protection), and SVT (Synthetic Vision Technology) functions listed below.

- TAWS/Terrain Alerting – May result in nuisance alerts when approaching the vicinity of poor Terrain data quality, followed by the suspension of all Terrain alerts (the system may not be able to issue legitimate TAWS/Terrain alerts).
- ESP – May become disabled.
- SVT – May depict the aircraft as flying “through” terrain on the display.

The Terrain Data Alert is accessible via the NavData Alerts link at www.garmin.com.

PILOT ACTION

Pilots should utilize extra caution and awareness of the surrounding terrain when flying within 30nm of the affected airports listed in the referenced Terrain Data Alert. Pilots may consider inhibiting TAWS/Terrain alerts when flying approaches into the affected airports.

RESOLUTION

Future Terrain Database upgrades will be made available to correct this issue.

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