

TEMPORARY REVISION NO. 05
To: Eclipse 550® POH and
FAA-Approved Airplane Flight Manual
Avio IFMS Lateral Navigation Approvals


This Temporary Revision affects the AFM Part Number 06-123841, Revision "Original Issue", dated June 02, 2014. Remove this TR when Revision 01 is inserted. Record this TR insertion (or removal) on the Log of Temporary Revisions.

This Temporary Revision supersedes 06-123841-TR02.

Insert this page behind LOTR-1.

06-123841-TR05

Signature: _____

 Date: 3/14/16

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Avio IFMS Lateral Navigation Approvals

The FMS, supported in dual PFDs, meets TSO-C146c and the updated GPS, meets TSO-C145c. The applicable TSO Authorizations (TSOA) have been issued by the FAA. Together, this navigational system (also known as IFMS) meets the MOPS of RTCA/DO-229D.

Refer to 06-124577, Eclipse 550® Avio NG 2.7 Pilot's Guide for detailed information on FMS system operations.

Provided it is receiving usable signals, it has been demonstrated capable of and has been shown to meet the accuracy specifications of:

1. The IFMS installation with dual GPS sensors as installed complies with AC 20 138B for navigation using GPS (within the coverage of a Space-Based Augmentation System complying with ICAO Annex 10) for enroute, terminal area, non-precision approach operations (including "GPS", "or GPS", and "RNAV" approaches), approach procedures, with vertical guidance (including "LNAV/VNAV"). Navigation information is referenced to the WGS-84 reference system, and should only be used for approach where the Aeronautical Information Publication (including electronic data and aeronautical charts) conform to WGS-84 or equivalent.
2. **B-RNAV/RNAV-5:** This installation complies with the equipage and accuracy requirements of AC 90-96A, Appendix 1, paragraphs 1.b.(1), for RNAV-5 when operating in Class I airspace.
3. **P-RNAV:** This installation complies with the equipage, performance, and functional requirements of AC 90-96A, Appendix 2, paragraphs 2.a.(3)(a) and 2.b.(1-22) for operation in P-RNAV designated airspace.
4. **RNAV:** This installation complies with the equipage and accuracy requirements of AC 90-100A Paragraph 7.b for operations on U.S. Area Navigation (RNAV) routes (Q-routes and T-routes), Departure Procedures (Obstacle Departure Procedures and Standard Instrument Departures), and Standard Terminal Arrivals (STARs).
5. **RNP1:** In accordance with AC 20-138D, Paragraph 9-2 and PNB ICAO Doc 9613, Paragraph 3.1, the IS&S FPDS as installed in Eclipse E550 aircraft is capable of providing RNP 1.0 operations, based on the following TSO authorizations:
 - The IS&S Flat Panel Display System (FPDS) meets the minimum operation performance standards and has been issued authorization to TSO-C146c, Stand-Alone Airborne Navigation Equipment using the Global Positioning System Augmented by the Satellite Based Augmentation System, (Class Gamma).
 - The IS&S Flat Panel Display System (FPDS) GPS-SBAS Receiver meets the minimum operation performance standards and has been issued authorization to TSO-C145c, Airborne Navigation Sensors using the Global Positioning System (GPS) Augmented by the Wide Area Augmentation System (WAAS).

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