

Technical Newsletter

A23-9999-044

System: Honeywell Flight Management (FMS) and GPS Navigation Systems
Product: FMZ-920/2000 Series FMS, PRIMUS EPIC FMS, GNS Series FMS, KLN Series GPS Navigation Systems
Part No.: Not Applicable
Title/Purpose: AC 90-100 Operations Eligibility for Honeywell GPS / FMS Systems

Transmittal Information

Honeywell Pub. No. A23-9999-044

Revision History

Technical Newsletter Pub. No. A23-9999-044 has had no revisions as summarized in Table 1.

Table 1. Technical Newsletter Revisions

Revision	Date of Release
Initial Release	21 November 2005

1. Summary

This Technical Newsletter is to be used as a guide for operators of Honeywell Flight Management (FMS) and GPS Navigation Systems and does not constitute an operational approval for AC 90-100 compliance. Operators should use the guidance in AC 90-100, sections 8 and 9 to determine eligibility for these U.S. RNAV routes, SIDs, and STARs. Operators should check the AC 90-100 Compliance Table located on the FAA website for details on their particular system. The link to this website is listed in section 4 of this document.

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2. Overview

The FAA has issued Advisory Circular 90-100 (AC 90-100) for "U.S. Terminal and En Route Area Navigation (RNAV) Operations." AC 90-100 provides operational and airworthiness guidance on U.S. Area Navigation (RNAV) routes, Standard Instrument Departures (SIDs), and Standard Terminal Arrival Routes (STARs). It does not apply to over water RNAV routes (ref 14 CFR 91.511, including the "Q" routes in the Gulf of Mexico and the Atlantic routes) or Alaska VOR/DME RNAV routes ("JxxxR"). It also does not apply to off-route RNAV operations.

3. Details

The **FMZ-920 Series FMS**, **FMZ-2000 Series FMS**, and the **PRIMUS EPIC FMS** systems installed in compliance with AC 20-130A comply with the system performance requirements of paragraph 6 and are approved for RNAV "Q" routes as well as RNAV Type A and Type B SID/STAR procedures as defined in AC 90-100. Eligibility is established under TSO C-115 and TSO C-129, Class C1 per paragraph 7.c.(1). These systems also comply with the requirements of Appendices 1 and 2 for DME/DME and DME/DME/IRU operation conditional on pilot entry of NOTAM navaids on the FMS NOTAM page.

GNS-XLS, GNS-XL, CDU-XLS, GNS-XES, KLN-900 Series FMS and **KLN-89B, KLN-90B, KLN-94 Series GPS Navigation** systems approved to TSO C-129 and installed in compliance with AC 20-130A or AC 20-138A are approved for RNAV "Q" routes and Obstacle Departure Procedures. Eligibility is established under TSO C-129 or TSO C-129a, Class A1 per paragraph 7.c.(3). These systems are not compliant with RNAV Type A and Type B SID/STAR procedures defined in AC 90-100. If your specific GNS FMS or KLN GPS is not listed above, please refer to the AC 90-100 Compliance Table located on the FAA website for compliance status. The link to this website is listed in section 4 of this document.

4. Additional Information

Please visit the following FAA website for more information regarding AC 90-100:

http://www.faa.gov/about/office_org/headquarters_offices/avs/offices/afs/afs400/afs410/policy_guidance/

From this website, select the AC 90-100 Compliance Table to get the latest compliance status on specific Honeywell Flight Management (FMS) and GPS Navigation Systems.

If you have questions regarding this Technical Newsletter, please contact your local Honeywell Field Service Engineer or contact the Honeywell Customer Response Center at +1-800-601-3099 or internationally at +1-602-365-3099.

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