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SERVICE INFORMATION LETTER

**Honeywell Flight Management System (FMS) and Global Positioning System (GPS) Navigation Systems
- FMZ-920/2000 Series FMS, PRIMUS EPIC FMS, GNS Series FMS, KLN Series GPS Navigation Systems;
Advisory Circular AC 90-100A (AC 90-100A) Operations Eligibility for Honeywell GPS/FMS Systems**

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ECCN: EAR99, NLR Eligible.

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Transmittal Information

Publication Number A23-9999-044

Summary

This revision is a FULL replacement. This revision includes the changes that follow:

- Added the Legal Notice section at the start of this service information letter.
- Change the reference from RNAV A and RNAV B to RNAV 1 and RNAV 2 respectively in [Paragraph 1.B.\(2\)\(a\)](#).
- Changed the compliance data in [Paragraph 1.B.\(2\)\(b\)](#).
- Changed the address of the FAA website in [Paragraph 1.E.\(1\)](#).
- Changed the content and format to agree with Honeywell processes in effect at the time of the release of this revision.

Revision History

This service information letter has had two revision(s) as shown in [Table 1](#) .

Table 1. Revision History

Revision Number	Revision Date
Initial Release	21 Nov 2005
1	18 May 2007
2	30 Jun 2009

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SERVICE INFORMATION LETTER

1. **General Information**

A. Effectivity

- (1) This service information letter is applicable to the FMZ-920/2000 series FMS, PRIMUS EPIC FMS, GNS series FMS, KLN series GPS navigation systems.

B. Reason

(1) Overview

- (a) The FAA has issued AC 90-100A for “U.S. Terminal and En Route Area Navigation (RNAV) Operations.” AC 90-100A provides operational and airworthiness guidance on U.S. area navigation (RNAV) routes, standard instrument departures (SID)s, and standard terminal arrival routes (STAR)s. It does not apply to over water RNAV routes (reference 14 CFR 91.511, including the “Q” routes in the Gulf of Mexico and the Atlantic routes) or Alaska very high frequency omnidirectional ranging (VOR)/distance measuring equipment (DME) RNAV routes (“JxxxR”). It also does not apply to off-route RNAV operations.

(2) Details

- (a) 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 and RNAV system approval process requirements of Paragraph 8 and are approved for RNAV “Q” routes as well as RNAV Type 1 and Type 2 departure procedure (DP)/STAR procedures as defined in AC 90-100A. 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/inertial reference unit (IRU) operation conditional on pilot entry of notice to airman (NOTAM) nav aids on the FMS NOTAM page.
- (b) The compliance of GNS-XLS, GNS-XL, CDU-XLS, GNS-XES, KLN-900 series FMS and KLN-89B, KLN-90B, KLN-94 series GPS navigation system varies depending on part number. To determine if a given part number is compliant with the requirements of AC 90-100A check the FAA website listed in [Paragraph 1.E.\(1\)](#) of this document.

C. References

- (1) Not applicable.

D. Summary

- (1) This service information letter is to be used as a guide for operators of Honeywell FMS and GPS navigation systems and does not constitute an operational approval for AC 90-100A compliance. Operators should use the guidance in AC 90-100A, sections 8 and 9 to determine eligibility for these U.S. RNAV routes, instrument DPs, and STARs. Operators should check the A compliance table located on the FAA website for details on their particular system. The link to this website is listed in [Paragraph 1.E.\(1\)](#) of this document.

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E. Action

- (1) Please visit the following FAA website for more information regarding AC 90-100A:
 - http://www.faa.gov/about/office_org/headquarters_offices/avs/offices/afs/afs400/afs470/media/AC90-100compliance.xls
- (2) From this website, select the AC 90-100A compliance table to get the latest compliance status on specific Honeywell FMS and GPS navigation systems.
- (3) If you have questions regarding this service information letter, please contact your local Honeywell Field Service Engineer or contact the Honeywell Complete Customer Care Center at (800) 601-3099 (U.S.A.) or (602) 365-3099 (Internationally).