


Application		Revisions			
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		5	Revised per EC 12093	6/13/14	MJL
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CONFIGURATION
 MANAGEMENT
 CONTROLLED
 REFERENCE

NavDB Compatibility Matrix

FAA Approved _____ Date _____

for **Anthony Pigott**
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Revision History

- Rev 7** Section 3.0 – Added the following:
- a)** Compatible NAV DB file information
 - b)** System compatibility matrix for 9k-88016-1 systems.
- Section 3.0 - Updated Jeppesen Navigation Database Part Number.
- Rev 6** Section 3.0 – Added 9K-88016-1 System and 9D-87012-1 AN-MCDU LRU to Compatibility Matrix
- Rev 5** Section 3.0 – Removed 9K-88022-1 System from Compatibility Matrix
- Rev 4** Section 3.0 – Updated Jeppesen Navigation Database Part Number and additional system part numbers
- Rev 3** Section 3.0 – Updated Jeppesen Navigation Database Part Number
- Rev 2** Updated as requested by FAA
- Rev 1** Initial Release of document

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1.0 INTRODUCTION

This document contains the NavDB Compatibility Matrix for all NAV databases in use at Innovative Solutions & Support (IS&S) that are intended for use in aircraft. This document defines the product and software compatibility for the navigation database (NavDB), change process, and approval authority. This document meets the intent of AC 20-153A.

1.1 PURPOSE

The purpose of the Compatibility Matrix under AC 20-153A is to create a list of navigation databases, show what products they are compatible with, and provide a vehicle to be maintained without causing undue maintenance burden on the IS&S Type 2 LOA.

2.0 REFERENCE DOCUMENTS

2.1 IS&S DOCUMENTS

Document Number	Document Title
1D-08537	RTCA/DO-200A Compliance Plan & Report for Processing Aeronautical Data
1U-08849	Quality Control Manual for Processing Aeronautical Data
1U-03469	Quality Assurance Manual for FAA Programs

2.2 FAA AND INDUSTRY DOCUMENTS

Standard	Description / Title
RTCA/DO-200A	Standards for Processing Aeronautical Data
AC 20-153A	Acceptance of Data Processes and Associated Navigation Databases

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3.0 COMPATIBILITY MATRIX

IS&S will add NavDBs to the following matrix as they become qualified. The information below indicates the hardware and software part numbers that are compatible with the corresponding Navigation Database Part Numbers. The two-digit identifier at the end of the Navigation Database part number corresponds to the version of the IS&S Navigation Database Conversion Tool that was used to generate the database.

SYSTEM PART NUMBER	PRODUCT NAME	LRU PART NUMBERS ⁽³⁾	MAINTENANCE ⁽²⁾
9K-07048-1 – Flat Panel Display System (FPDS)	IS&S Integrated Flight Management System (IFMS) ⁽¹⁾	a) IS&S MFD Hardware, 9D-84100-1; b) IS&S MFD Top Level Software, 7H-84100-xx; c) IS&S MFD FMS Software, 7H-08044-xx; d) Jeppesen Navigation Database, XXX XXXJ13 (*.F01)	a) TSOA b) TSOA c) TSOA d) Compatibility Matrix for Type 2 LOA
9K-07048-5 – Flat Panel Display System (FPDS)	IS&S Integrated Flight Management System (IFMS) ⁽¹⁾	a) IS&S PFD Hardware, 9D-84098-3; b) IS&S PFD Top Level Software, 7H-09940-xx; c) IS&S PFD FMS Software, 7H-09942-xx; d) Jeppesen Navigation Database, XXX XXXJ13 (*.F01)	a) TSOA b) TSOA c) TSOA d) Compatibility Matrix for Type 2 LOA
9K-88016-1 – Flight Management System (FMS)	IS&S Integrated Flight Management System (IFMS) ⁽¹⁾	a) IS&S AN-MCDU Hardware, 9D-87012-1; b) IS&S AN-MCDU Top Level Software, 7H-87012-07 and earlier; c) IS&S AN-MCDU FMS Software, 7H-09660-07 and earlier; d) Jeppesen Navigation Database, XXX XXXJ13 (*.F01)	a) TSOA b) TSOA c) TSOA d) Compatibility Matrix for Type 2 LOA
9K-88016-1 – Flight Management System (FMS)	IS&S Integrated Flight Management System (IFMS) ⁽¹⁾	a) IS&S AN-MCDU Hardware, 9D-87012-1; b) IS&S AN-MCDU Top Level Software, 7H-87012-13 and newer; c) IS&S AN-MCDU FMS Software, 7H-09660-13 and newer; d) Jeppesen Navigation Database, XXX XXXJ13 (*.F02)	a) TSOA b) TSOA c) TSOA d) Compatibility Matrix for Type 2 LOA

NOTE (1): The Type 2 LOA only applies to the FMS-NavDB. E-Charts and Map databases are outside the scope of the IS&S Type 2 LOA.

NOTE (2): Changes to the IS&S part numbers listed on a TSOA will be submitted to the NYACO under the TSOA process, in accordance with 1U-03469. Changes affecting the last three (3) digits of the Jeppesen Navigation Database Part Number will require this document, 1D-08880, to be submitted to the NYACO for approval.

NOTE (3): The NAV DB type (*.F01 or *.F02) identifies NAV DB file compatible to the corresponding system.

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