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SERVICE INFORMATION LETTER

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A.   Subject

NZ-2000/NZ-2010, Navigation Computer, PN 7018879-03XXX, IC-615 Integrated Avionics Computer, PN 7017000-XXXXX, IC-800/IC-810, Integrated Avionics Computer, PN 7017300-XXXXX; Flight Management System (FMS) CNTL-D and Hyperstart Procedures

B.   Effectivity

(1)   This SIL is applicable to the equipment identified in Table 1.

Table 1. Effectivity

Part Number (PN)	Designation
PN 7018879-03XXX	NZ-2000/NZ-2010 navigation computer
PN 7017000-XXXXX	IC-615 integrated avionics computer
PN 7017300-XXXXX	IC-800/IC-810 integrated avionics computer

C.   Reason

(1)   **Purpose**

(a)   The purpose of this SIL is to provide maintenance personnel and pilots a procedure to resolve certain FMS issues prior to replacing one of the LRUs listed in Table 1.
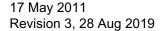
NOTE: This SIL supersedes Technical Newsletter, Publication Number A23-1146-009.

(2)   **Background**

(a)   Honeywell repair facilities have identified that for some random access memory (RAM) problems it is possible to restore all the FMS functions with a hyperstart procedure. The hyperstart procedure resets the RAM to the initial values. In some cases, this will clear what appears to be a hardware failure and prevent the unnecessary removal of the listed LRUs listed in Table 1.

(3)   **Solution**

(a)   The hyperstart procedure only works for FMS software Version 5.0 and higher. Maintenance personnel or pilots who know the FMS can do the hyperstart procedure.

17 May 2011
Revision 3, 28 Aug 2019

Honeywell
SERVICE INFORMATION LETTER

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(b)   If possible, Honeywell recommends the operator obtain the CNTL-D files from each FMS before the hyperstart procedure is done. Honeywell recommends the operator try to do the CNTL-D procedure immediately after the FMS failure and before the hyperstart procedure.

1   If the CNTL-D download is done before the hyperstart procedure, the operator must give the data specified below. The data must be sent to the local Honeywell field service engineer or the Honeywell technical operations center.

- The coordinated universal time date/time of the failure.
- The control display unit (CDU) scratchpad messages that are displayed at the time of the failure.
- TheCNTL-Dfiles.

D.   References

(1)   To find, see, and download Honeywell Technical Publications, go to www.myaerospace.com.

(2)   The document(s) that follow(s) is/are related to this SIL. Unless specified differently, you can use subsequent revisions.

- Technical Newsletter, Publication Number A23-1146-009, FMS Hyper Start Procedure, Revision 1.

E.   Summary

(1)   Not applicable.

F.   Action

(1)   **CNTL-D Procedure**

(a)   Do the steps given in Table 2 on the applicable FMS CDU. Do this procedure from each CDU. Note that before proceeding ensure there is media in the dataloader, and the dataloader is selected to the appropriate FMS side. Each side FMS can be downloaded to the same media without fear of overwriting the other side FMS data.

Table 2. CNTL-D Procedure

Step	Push CDU Key	CDU Page
1	NAV	NAV INDEX 1/2
2	NEXT	NAV INDEX 2/2
3	MAINTENANCE (2R)	MAINTENANCE 1/3
4	NEXT	MAINTENANCE 2/3
5	SETUP (4L)	FMS SETUP 1/1
6	ENGR DATA (2R)	ENGINEERING DATA 1/1

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Table 2. CNTL-D Procedure (Cont)

7	DEBUG (1L)	DEBUG MONITOR CNTRL 1/1
8	DM VAL (not in all applications) (4R) [1]	SET TO YES
9	SAVE CTL D (4L)	DEBUG MONITOR CNTRL 1/1

NOTE:

    1.   If DM VAL cannot be seen at (4R), go to Step 9.

___

NOTE: The sequence of CDU scratchpad messages will be OPENING CAPT FILE, followed by SAVING CTL D, and then CLOSING CAPT FILE. After this is complete, page control goes back to the DEBUG MONITOR CNTRL 1/2 page. This procedure can take a maximum of 30 minutes to complete because of the quantity of the data.

(2)   **Hyperstart Procedure**

    (a)   Do the steps given in Table 3 on the applicable FMS CDU. Do this procedure from each CDU.

Table 3. Hyperstart Procedure

Step	Push CDU Key	CDU Page
1	NAV	NAV INDEX 1/2
2	NEXT	NAV INDEX 2/2
3	MAINTENANCE (2R)	MAINTENANCE 1/3
4	NEXT	MAINTENANCE 2/3
5	SETUP (4L)	FMS SETUP 1/1
6	ENGR DATA (2R)	ENGINEERING DATA 1/1
7	DEBUG (1L)	DEBUG MONITOR CNTRL 1/1
Put HYPER into the scratchpad.		
Push DM COMMAND (2R) to put the word HYPER into the ------.		
Push EXECUTE (3R).		

(3)   **For More Data**

    (a)   For more data about this SIL, talk to the applicable Honeywell field service engineer or the location identified below.

        Honeywell

        Global Customer Care Center

        Telephone: (800) 601-3099 (Toll Free U.S.A./Canada)

        Telephone: (602) 365-3099 (International Direct)

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Telephone: 00-800-601-30999 (EMEA Toll Free)

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G. **Summary**

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

- Added new designations in Table 1.
- Updated the purpose in Paragraph 1.C.(1).
- Updated the background information in Paragraph 1.C.(2).
- Added NOTE in Paragraph 1.F.(1).

H. **Revision History**

This service information letter has three revision(s) as shown in Table 4.

Table 4. Revision History

Revision Number	Revision Date
0	17 May 2011
1	6 Oct 2011
2	22 Nov 2011
3	28 Aug 2019

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