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Document Title : DMEP Control Setting Instructions
Equipment Affected : OQAR & PQAR
Part Numbers : D52000 (All models)
Classification : Information

Note: Although most of the text in this document refers primarily to OQAR, it can also be applied to PQAR, by substituting "PQAR" in place of "OQAR, where referenced.

Introduction.

The AD_CODE setting option is accessed from the 06 A573_CFG menu. The ARINC data format operation of the OQAR can be controlled with this option.

- **AD_CODE = LINKS.** When the option is set to LINKS the OQAR will configure its data format operation according to the pin programming links in the ARINC connector.

- **AD_CODE = BIPOLAR.** When the option is set to BIPOLAR the OQAR will configure itself to receive ARINC 573 / 717 data in the Bipolar RZ format.

- **AD_CODE = BIPHASE.** When the option is set to BIPOLAR the OQAR will configure itself to receive ARINC 573 / 717 data in the Harvard Biphase format.

- **AD_CODE = DMEP**. When the option is set to DMEP the OQAR will configure itself to record ARINC 429 data continuously – regardless of the condition of the ARINC 573 / 717 data interface.

The AD_CODE option is on the 06 A573_CFG menu, which is password protected. To gain access to the 06 A573_CFG menu the operator will have to enter the access code on the 04 ACCESS menu, this will then allow the operator access to all of the available menus and options.

CAUTION: **Incorrect setting of OQAR functions in menus 05 SYS_CFG and 06 A573_CFG may stop the OQAR working. Please proceed with caution and select and change only the menu options detailed below.**

NOTES: 1. To confirm a selection press the ENTER key, but to abandon the selection press the EXIT key.

    2. Repeatedly pressing the EXIT key will back up the menu system until the default display of TIME and DATE is displayed. Press the EXIT key again to then display the 01 OPERATOR menu.

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Procedure.

In order to change the OQAR AD_CODE configuration variable option, follow this procedure:

1. Enter the ACCESS code (see PS1284).

2. Press the EXIT key to display the 04 ACCESS menu, then repeatedly press the PLUS key to display the 06 A573_CFG.

3. Press the ENTER key to access the 06 A573_CFG menu, the display will change to show the first menu option "AD_ENA", then repeatedly press the PLUS key to display the "AD_CODE".

4. Press the ENTER key and the lower display will be flashing. Repeatedly press the PLUS and MINUS keys to change the lower display between "LINKS", "BIPOLAR", "BIPHASE" and "DMEP". Press the ENTER key to select the required option. The lower display will show "DMEP" not flashing.

5. Press the EXIT key to display the 06 A573_CFG menu, then press the PLUS key until the 09 RE-BOOT menu is displayed.

6. Press the ENTER key to display the first option, then press the PLUS key to display the "RESET" function. Press the ENTER key and the OQAR will reset itself.

Additional References.

These additional documents are also available in Adobe Acrobat PDF file format.

- PS1245 - Restoring the OQAR Default Configuration.
- PS1280 - OQAR Activity Monitor.
- PS1281 - OQAR A429 Label Monitor.
- PS1284 - OQAR Access Code.

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