




REVISION HISTORY

Refer to the DCA and associated markups for a complete description of the changes incorporated in a revision.


REV	DCA	DATE	DRAWN	CHECKED	APPROVED	PUBLISHED
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INFORMATION BULLETIN

EQUIPMENT: AMU50-001 and AMU50-003

DATE: 6-4-2012

NOTIFICATION NUMBER: CIB AMU50_609-0002

REVISION: A

1. Planning Information

1.1 Applicability

Affects Part Number AMU50-001 and AMU50-003, all serial numbers.

1.2 Compliance

A software bug has been identified with the AMU50 that is relevant when using the digital tie line feature of the DACS system connected between the AMU50 Audio Management Unit and the PIA-01 Passenger Interphone Amplifier.

1.3 Description

The DACS Audio Management Units AMU50-001 and AMU50-003 include a digital interphone tie line interface that is compatible with the DACS PIA-01 Passenger Interphone Amplifier. The digital audio tie line feature can be selected within the Device Configuration Software (DevCS) installation software tool and is only used when the PIA-01 is being installed with the DACS AMU50. The digital audio tie line allows interphone communications between users connected to the AMU50 and the PIA-01 over a digital audio data bus.

A software bug has been identified with the AMU50 when using the digital tie line connected to the PIA-01. The software bug is related to the ISO feature of the AMU50 that enables the cockpit crew intercom to be isolated from the cabin crew intercom. When the ISO button on the DACS Audio Control Panel ACP51, ACP53 or ACP54 is selected, when appropriate settings in DevCS are programmed into the AMU50, the cockpit crew interphone is supposed to be isolated from the cabin crew interphone. The interphone users that are connected to the PIA-01 are also considered to be cabin crew and should remain connected to the cabin crew and not to the cockpit crew interphone when the ISO button is selected to ISO.

The ISO function is supposed to function identically in both Normal and Backup modes of operation. The software bug that has been identified causes the users of the PIA-01 interphone to remain connected to the cockpit crew when ISO is selected when the system is switched to Backup mode when using the digital tie line interface feature. The ISO function works as intended when the system is selected to Normal mode operation.

A problem report has been issued so that the problem can be corrected as part of a future software change.

1.4 Recommendation

A work around to this problem has also been identified and is described as follows:

To use the work around, the DACS system can be selected within DevCS to use the analog tie line feature instead of the digital tie line. The PIA-01 is compatible with the analog tie line interface of the DACS AMU50. This will enable the users of the PIA-01 to be isolated from the cockpit crew interphone when the system is selected to ISO in either Normal or Backup operation.

Refer to the DACS, AMU50 and PIA-01 installation and operators manuals for details of the analog tie line function and installation. Refer to the DevCS Installation and operation manual for details on selecting the analog tie line feature of the AMU50. The latest version and document number of the relevant manuals is listed below. Refer additionally to the wiring diagrams within the PIA-01 Installation and Operation Manual for details related to jumper positions to the PIA-01 connector when using the analog tie line feature.

1.5 Reference Materials

DevCS software part number: 79-04-001	Version 1.6.1.0 or later
DevCS Installation and Operation Manual 79-04-001_804-0	Rev 1.20 or later
DACS AMU50 Installation and Operation Manual SM76_AMU50_804-0	Rev 1.10 or later
DACS Operators Manual DACS_813-0	Rev 1.10 or later
PIA-01 Installation and Operators Manual SM78_PIA01_804-0	Rev 1.10 or later

End of Information Bulletin