



AFDAU-T1

Service Bulletin

AMS Service Bulletin

AMS-SB-2021-001

AFDAU-T1 Firmware Update Version 1.1-rc1

Issue Log

Issue	Date	Change Notes
1	13 June 2021	-



1 Planning Information

1.1 Applicable Products

Table 1: Effective Aircraft/Part Details

Type	Part Number	Serial Number
AFDAU-T1	231-001-00	All

1.2 Reason

New firmware for the AFDAU-T1 is available containing the following changes:

- Flight cell DZMx as modem support
- Improved fill/drop algorithm improving volume, time, and position accuracy.
- GPS speed lockout on fills for rotorcraft. A fill is generated only once forward flight is established. If the fill is aborted and forward flight is established, no event is generated. If the fill is aborted and reattempted or if the fill is completed in stages, a single fill, with a volume equal to the difference in bucket weight from the start of the fill procedure to the weight in forward flight, will be recorded at the location where the final fill occurred.
- Improved hover algorithm improving time and position accuracy.
- Improved take-off/landing algorithm improving time and position accuracy.
- Improved engine on/off algorithm improving time accuracy.

1.3 Description

Carrying out this bulletin consists of installing a new version of the AFDAU Config Tool and installing firmware to the AFDAU-T1 unit.

1.4 Approval & Compliance

This service bulletin does not constitute airworthiness approval of any kind. Compliance with this service bulletin is optional but recommended.

2 Material Information

2.1 Equipment, Parts and Consumables

Table 2: Applicable Materials

Description	Version/Revision	Type
AFDAU-T1 Firmware	1.1-rc1	Firmware
AFDAU Config Tool	v0.5	PC Software
AMS-IM-1-001	Rev 6	Installation Manual

3 Accomplishment Instructions

Carry out the firmware update to the AFDAU-T1 as per section 4.3 of the Installation Manual P/N: AMS-IM-1-001.