

RTCA Special Committee 186, Working Group 5

ADS-B UAT MOPS Maintenance

Meeting #27

RTCA Headquarters, Washington DC
7 – 8 October 2009

**Proposed Resolution to FRAC Comments Related to
Setting the “Receiving ATC Services” Flag to Reserved**

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Summary
This Working Paper addresses a proposed resolution to several FRAC Comments against DO-282B, which were raised regarding the setting of the “Receicving ATC Services” Flag to “Reserved.”

FRAC Comments Related to Removing “Receiving ATC Services Flag” (WJW)

A. The current (FRAC) version of §2.2.4.5.4.14 is erroneous. Too much was removed from the DO-282A version. A correct statement is as follows:

2.2.4.5.4.14 Call Sign Identification (CSID) Flag

The Call Sign Identification (CSID) Flag in the Mode Status Element is a one-bit flag (bit 7 of byte 27) which is used to identify the contents of the “CALL SIGN//FLIGHT PLAN ID” field. When the CSID Flag is set to the value ONE (1), then the “CALL SIGN//FLIGHT PLAN ID” field **shall** contain the Call Sign. When the CSID Flag is set to the value ZERO (0), then the “CALL SIGN//FLIGHT PLAN ID” field **shall** contain the Flight Plan ID.

When the “CSID Logic Configuration Item” (§2.2.4.5.4.15) is set to DISABLED, the CSID Flag **shall** always be ONE (1) and the “CALL SIGN//FLIGHT PLAN ID” field **shall** contain the Call Sign.

When the “CSID Logic Configuration Item” (§2.2.4.5.4.15) is set to ENABLED, the CSID Flag **shall** alternate between ONE (1) and ZERO (0); and the “CALL SIGN//FLIGHT PLAN ID” field **shall** alternate between the Call Sign and Flight Plan ID, respectively.

Note: *Performance estimates for air-to-air and air-to-ground acquisition when alternating between the Call Sign and the Flight Plan ID may be found in §K.4.4.*

Note that §2.4.4.5.4.14 tests both §2.2.4.5.4.14 and §2.2.4.5.4.15. Thus, the entire test procedure contained in §2.4.4.5.4.15 should be deleted and replaced by a pointer back to §2.4.4.5.4.14. Also, the preamble to §2.4.4.5.4.14 should contain the above (corrected) text for §2.2.4.5.4.14.

B. In §2.2.4.5.1.3.2 the second sentence, which begins “An ‘ADDRESS QUALIFIER’ value of ONE...” should be removed. Make the same change in §2.4.4.5.1.3.2. Also, delete Step 4 from the measurement procedure.

C. Delete all of §3.5.7, which refers to a user interface for the “Receiving ATC Services” function.