

RTCA Special Committee 186, Working Group 5

ADS-B UAT MOPS

Meeting #25

Additional Changes Related to Agreement on Address Qualifier

Presented by Chris Moody

SUMMARY
This working paper is a follow up to a proposed requirement change accepted last meeting related to the Address Qualifier.

More Changes related to agreement on Address Qualifier

REQUIREMENTS

It was pointed out that there are reference paragraphs pointed to in table 2-12 that need to be updated.

1. Insert “2.2.4.5.1.3.7” as the reference para for Address Qualifier “6”
2. Change 2.2.4.5.1.3.3 as follows:

2.2.1.1.1.1.1 ICAO 24-bit Aircraft Address of TIS-B or ADS-R Target Aircraft

An “ADDRESS QUALIFIER” value of TWO (binary 010) is used to indicate that the message is for a TIS-B or ADS-R target and the “ADDRESS” field holds the ICAO 24-bit address that has been assigned to the target aircraft being described in the message.

Note: *The world-wide scheme for allocating and assigning the 24-bit ICAO aircraft addresses is described in Annex 10 to the Convention on International Civil Aviation, Volume III, Chapter 9. [ICAO Annex 10, Vol. III, Ch. 9]*

3. Add new para 2.2.4.6.1.3.7

2.2.4.6.1.3.7 ADS-R Target with non-ICAO Address

An “ADDRESS QUALIFIER” value of SIX (binary 110) is used to indicate that the “ADDRESS” field holds the address of an ADS-R target with a non-ICAO address

VERIFICATIONS

4. Section 2.4.4.5.1.2: No change required since this verification focuses on what the avionics transmits and this change does not affect that
5. Section 2.4.4.5.1.3.3: No change required since text states that “No specific test procedure is required to validate this section
6. Section 2.4.4.5.1.3.7: For completeness insert new section as follows:

2.4.4.6.1.3.7 ADS-R Target with non-ICAO Address

No specific test procedure is required to validate this section.