

RTCA Special Committee 186, Working Group 3

ADS-B 1090 MOPS, Revision A

Meeting #16

**Comments on Section 2.2.10,
ADS-B Report Assembly Guidance**

Presented by Jim Maynard

SUMMARY
This Working Paper presents editorial comments on section 2.2.10 in the Draft-6 of chapters 1 to 4 of the DO-260A MOPS.

Document Reference	Comment
2.2.10	<p>Insert a Note in §2.2.10 to read as follows:</p> <p>Note: This paragraph and its subparagraphs describe report assembly and delivery only for ADS-B receiving subsystems. See §2.2.17.4 and its subparagraphs for requirements on TIS-B report assembly and delivery.</p>
2.2.10.1.2	<p>Modify this section to read as follows:</p> <p>2.2.10.1.2 ADS-B Report Organization</p> <p>a. All ADS-B Message receptions and Reports shall be organized (i.e., indexed) in accordance with the Participant Address and Address Qualifier. (The Participant address, report element 1 in all the ADS-B report structures, is conveyed in the “AA” Address Field of all ADS-B transmitted messages,. The Address Qualifier, report element 2 in all the ADS-B report structures, denotes whether the address is a 24-bit ICAO aircraft address or some other kind of address, and is conveyed in the combination of DF fields and, if DF = 18, the CF field in ADS-B transmitted message.)</p> <p>b. The Participant Address and Address Qualifier shall be mandatory elements in all ADS-B Reports (see Table 2.2.8.1 Items 1 and 2, Table 2.2.8.2 Items 1 and 2, Table 2.2.8.31 Items 1 and 2, Table 2.2.8.3.2 Items 1 and 2, etc.)</p>
2.2.10.1.3	<p>Modify subparagraph “a” by deleting the word “Address” after “Participant,” so that the subparagraph reads as follows:</p> <p>a. Unless otherwise specified, all ADS-B Messages and decoded latitude and longitude values for a given Participant Address shall be appropriately time tagged and appropriately stored for at least 200 seconds unless replaced by a received message of equivalent type from that Participant.</p>
	<p>Likewise, delete “Address” after participant in subparagraph “b”.</p>
Figure 2-16c	<p>The box that labels the arrow shown from “Acquisition State” to “Update information for this participant”, and that has text, “Receive any message from this participant,” has an incorrect section reference. In this box, the section reference should be “(2.2.10.3.3).”</p>