

TCAS II CHANGE PROPOSAL (CP)

DATE: 10 / 31 / 07

No.: 120

TCAS II Version: DO-185A (v7) Other (Specify) _____

MOPS Function Area: Surveillance Display Req'ts CRS

CAS Pseudocode Test Suites Other

Priority: URGENT Necessary Optional

CP Type: ERROR Enhancement Evaluation Request

Editorial (Logic) Editorial (Text)

Reference Update

Description of Problem/Issue:

Volume I of the MOPS contains many references to other standards documents, e.g., the Mode S MOPS, ARINC 735. In many cases, these references are out of date because the referenced document has been updated since the publication of DO-185A. Often the reference can simply be changed to indicate the latest version of the referenced document. However, sometimes this is not the correct solution, because sometimes the TCAS MOPS is intending to refer to a specific earlier version of a referenced document. An example is the Mode S MOPS: TCAS/transponder communication via the ARINC 429 bus is performed differently when the TCAS is paired with different versions of the transponder. These transponder versions need to be specified correctly.

So a careful examination must be done of each reference in Volume I.

Proposed Resolution:

The table below gives a first cut at updating the references, but more work is needed to complete the updating.

page	section	comment
20	1.10	Reference B, change DO-181A to DO-181C, dated June 12, 2001
20	1.10	Reference D, change DO-160C to DO-160E, dated December 9, 2004
20	1.10	Reference E, change ARINC 707-5 to ARINC 707-6, dated February 6, 1985
20	1.10	Change Reference G to: "Minimum Operational Performance Standards for 1090 MHz Extended Squitter Automated Dependent Surveillance - Broadcast (ADS-B) and Traffic Information Services - Broadcast (TIS-B)", RTCA/DO-260A, 2003, and all revisions thereto
20	1.10	Reference H, change 25-11 to 25-11A, dated 6/21/07
20	1.10	Reference I, change 1161 to 1161A, dated November 2002
20	1.10	Reference K, change DO-218 to DO-218B, dated June 12, 2001

20	1.10	add Reference L as follows: "Traffic Computer (TCAS and ADS-B Functionality)", ARINC Characteristic 735B, 2007, and all revisions thereto
54	Table 2-6	UM field reference should be B:2.2.14.4.31
55	2.2.3.9.3.1.7	Reference for bits 16-31 should be 2.2.17.3.3 for DO-181C
150	2.2.6.1.2.1.13	change "Paragraph 6.b.(1) of reference H" to "Paragraph 16.a.(3) of reference H"
163	2.2.6.2.2.3	change "Paragraph 6.b.(1) of reference H" to "Paragraph 16.a.(3) of reference H"
165	2.2.6.2.3.4	change "Paragraph 6.b.(1) of reference H" to "Paragraph 16.a.(3) of reference H"
170	2.2.6.4.3	change "Paragraph 5.g.(1) of reference H" to "Paragraph 31.f.(4) of reference H"
331	Table 2-56	change "See ARINC 735" to "See Ref. L."

Requester: Ann C. Drumm

Organization: MIT Lincoln Laboratory

DISPOSITION OF CHANGE PROPOSAL (Per RWG):

DATE OF DISPOSITION 12 / 11 / 07

Rejected **Deferred** **[Review Date:** / / **]**

Accepted x **Modified** **Withdrawn**

DISPOSITION OF CHANGE:

On Hold **Designing** **Testing** **Done** x **[Date:** 12 / 11 / 07 **]**

Final Approval of Changes:

Signature: Andy Zeitlin, RWG Chair

Date: 12 / 11 / 2007