

CHANGE ISSUE – RTCA/DO-242

MASPS for ADS-B

Rev B

Tracking Information (committee secretary only)	
Change Issue Number	80
Submission Date	03/01/09
Status (open/closed/deferred)	OPEN
Last Action Date	09/15/2010

Short Title for Change Issue:	Request for Including Selected Altitude into Target State Report
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MASPS Document Reference:		Originator Information:	
Entire document (y/n)	N	Name	Robert Saffell
Section number(s)	3.4.7, 3.4.8, Apnx. N	Phone	321-768-7062
Paragraph number(s)		E-mail	rhsaffel@rockwellcollins.com
Table/Figure number(s)		Other	

Proposed Rationale for Consideration (originator should check all that apply):	
<input type="checkbox"/>	Item needed to support of near-term MASPS/MOPS development
X	DO-260()/ED-102 1090 MHz Link MOPS / SARPS
X	UAT MOPS / SARPS
<input type="checkbox"/>	STP/ASAS MOPS
<input type="checkbox"/>	ASA MASPS
<input type="checkbox"/>	ADS-B or related TSO's, AC's or other regulatory guidelines
<input type="checkbox"/>	Item needed to support applications that have well defined concept of operation
<input type="checkbox"/>	RTCA OSED / SPR/Interop: (Approved/In Progress)
<input type="checkbox"/>	RFG OSED / SPR/Interop: (Approved/In Progress)
<input type="checkbox"/>	Has supporting analysis, if candidate stressing application
<input type="checkbox"/>	Item needed to support Ground Station Requirements/Specifications
<input type="checkbox"/>	Item identified during recent ADS-B development activities and operational evaluations
<input type="checkbox"/>	ADS-B MASPS clarifications and/or correction item
<input type="checkbox"/>	Validation/modification of questioned MASPS requirement item
<input type="checkbox"/>	New requirement item (must be associated with traffic surveillance to support ASAS or ATC Services)
<input type="checkbox"/>	Other: (Explain)

Nature of Issue:	<input type="checkbox"/>	Editorial	<input type="checkbox"/>	Clarity	<input type="checkbox"/>	Performance	<input type="checkbox"/>	Functional
<u>Issue Description:</u>								
<p>There were operational requests from AirServices Australia and NATS UK through the ICAO Aeronautical Surveillance panel (ASP) to move the broadcast of Selected Altitude into the Target State and Status Message, which were approved during revisions to the 1090 MHz Extended Squitter MOPS (DO-260B). Given that this request is based on the near-term usability of this data, it is recommended that the MASPS move this field into the Target State Report as well.</p>								

Originator's proposed resolution, if any:

The original requests from AirServices Australia and NATS UK were subsequently followed up with a Working Paper presented to the ICAO Aeronautical Surveillance Panel (ASP) Working Group of the Whole meeting in Montreal in December 2008 in Working Paper ASPWGW.1.WP.019. Several proposed formats for the revised Target State and Status Message were reviewed and discussed during Joint WG-3/SG-1 meetings and meetings of the ICAO ASP Technical Subgroup (TSG). Finally, the provisions of 1090-WP28-05 were accepted and Working Paper 1090-WP29-16, further defined other changes in the draft of DO-260B that were required. During WG-3/SG-1 Meetings #30 and #31, further discussions and FRAC comments resulted in the format as implemented in DO-260B/ED-102A and /DO-282B with the addition of SIL_{SUPP} and LNAV bits.

Note: Attach additional sheets to capture supporting discussion with source and date.

Working Group 6 Deliberations:

09/15/2010 – Meeting #17

The reconvened WG-6 reviewed this Issue Paper and agreed that it should be OPEN until the requirements for the new Target State and Status have all been entered, reviewed and resolved in the new combined MASPS.