

CHANGE ISSUE – RTCA/DO-242

MASPS for ADS-B

Rev B

Tracking Information (committee secretary only)	
Change Issue Number	79
Submission Date	03/01/09
Status (open/closed/deferred)	OPEN
Last Action Date	09/15/2010

Short Title for Change Issue:	Request MOPS implementation of subtypes of ADS-B Equipage Classes and determine if these should be brought up to MASPS level definitions.
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MASPS Document Reference:		Originator Information:	
Entire document (y/n)	N	Name	George Ligler, PMEI
Section number(s)	3.2.3.1, and where A1 req's are stated	Phone	301-983-4388
Paragraph number(s)		E-mail	gligler@pmei.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
X	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
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Issue Description:

Both the 1090 MHz ES and UAT MOPS have implemented subtypes of equipage classes indicated antenna diversity for 1090ES and varying power for UAT. At such time that the MASPS are revised, these should be revisited to determine if any of these classes should be defined at the ADS-B system level, or if it is appropriate for them to remain Link-specific.

Originator's proposed resolution, if any:

Consider if ADS-B Equipage classes should be expanded to include subtypes defined in the ADS-B link MOPS.

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 Equipage Classes are edited into the new combined MASPS.