

CHANGE ISSUE – RTCA/DO-242

MASPS for ADS-B

Rev B

Tracking Information (committee secretary only)	
Change Issue Number	77
Submission Date	03/01/09
Status (open/closed/deferred)	CLOSED
Last Action Date	09/15/2010

Short Title for Change Issue:	Redefining of NAC _V values
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MASPS Document Reference:		Originator Information:	
Entire document (y/n)	n	Name	J. Stuart Searight, FAA
Section number(s)	2.1.2.14	Phone	609-485-5036
Paragraph number(s)		E-mail	Stuart.searight@faa.gov
Table/Figure number(s)	Table 2-4	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
X	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	X	Functional
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Issue Description:

Issues relate to the appropriateness of setting NAC_V based on HFOM. Changes were made in DO-253 (LAAS MOPS) and DO-310 (GRAS MOPS) which will require deleting the connection of HFOM and NAC_V in DO-260A. Working Paper 1090-WP24-10 is an FAA policy reference for approving velocity output data from GPS, GPS/SBAS, and GPS/GBAS equipment for use with ADS-B.

Originator's proposed resolution if any:

Realign definitions of NAC_V based on changes included in DO-260B as shown in attachment. DO-260B, Appendix J was created from Working Paper 1090-WP24-10 and customized for UAT as well. The actual encoding values for the NAC_V parameter were not changed, only the basis on which it was calculated.

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

Issue History:

From the SC-186 WG-3 Meeting #25, Working Paper 1090-WP26-08R1:

Working Paper 1090-WP26-08R1 was presented as proposed changes to DO-260A for removing the connection of NAC_v from HFOM, and was presented and agreed upon, to propose changes in the requirements for NAC_v determination. The contents of the memorandum originally presented in 1090-WP24-10 was agreed to be added into DO-260B as a revised Appendix J.

Working Group 6 Deliberations:

9/15/2010 – Meeting #17

The reconvened WG-6 reviewed this Issue Paper and agreed that all of the proposed changes have been made to the respective Link MOPS and to the working draft of DO-242B as it will be combined with DO-289.