

ISSUE DOCUMENTATION – RTCA SC-186



Tracking Information (committee secretary only)	
Change Issue Number	20
Submission Date	11/03/2004
Status (open/closed/deferred)	pending
Last Action Date	

Short Title for Change Issue:	ASSAP limitation of NIC and NAC values to not exceed a value of 8
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Topic:	<input type="checkbox"/> ASA	<input type="checkbox"/> High-level	<input type="checkbox"/> ASAS	<input type="checkbox"/> STP	<input checked="" type="checkbox"/> ASSAP	<input type="checkbox"/> CDTI
Document Reference: ASAS MOPS	Originator Information:					
Entire document (y/n)	n		Name	Stuart Searight		
Section number(s)	ASSAP sections		Phone	(609) 485-5036		
Paragraph number(s)			E-mail	stuart.searight@faa.gov		
Table/Figure number(s)			Other			

Proposed Rationale for Consideration (originator should check all that apply):	
<input type="checkbox"/>	Item needed to coordinate with other documents
<input type="checkbox"/>	ASA MASPS
<input type="checkbox"/>	1090 MHz Link MOPS
<input type="checkbox"/>	UAT Link MOPS
<input type="checkbox"/>	TIS-B MASPS
<input type="checkbox"/>	Previously written CDTI MOPS
<input type="checkbox"/>	Other (include document title):
<input type="checkbox"/>	Item needed for harmonization with international requirements
<input type="checkbox"/>	Item identified during recent ADS-B development activities and operational evaluations
<input type="checkbox"/>	MOPS clarifications and correction item
<input type="checkbox"/>	Validation/modification of questioned MOPS requirement item
<input type="checkbox"/>	Military use provision item
<input checked="" type="checkbox"/>	New requirement item

Nature of Issue:	<input type="checkbox"/> Editorial	<input type="checkbox"/> Clarity	<input checked="" type="checkbox"/> Performance	<input checked="" type="checkbox"/> Functional
<u>Issue Description:</u>				
<p>Initial STP requirements will only address NIC and NAC levels of 8 or less. Therefore, any transmitted values greater than 8 should be considered as ambiguous on the receive side. Further, values for these fields greater than 8 require consideration of vertical components which STP will not address in the initial MOPS. (However, another Issue Paper is being authored proposed that the vertical component be removed from NIC=9 and NAC=9). Therefore, for received data with version numbers indicating DO-260, DO-260A, or DO-282, any values greater than 8 for either NIC or NAC should be treated as equal to 8 within ASSAP processing and limit its use since integrity could be unknown/incorrect, etc. Since TSO-166 does not implement new version numbers it will be undetectable on the receive side if received data is from a TSO-166 compliant box or not.</p>				

<u>Originator's proposed resolution:</u>
Place a requirement within ASSAP that any received values for NIC or NAC that are greater than "8" shall be treated as "8" for application and surveillance processing from ASA transmitting participants which indicate version numbers compliant to DO-260, DO-260A, or DO-282A.

