

ISSUE DOCUMENTATION – RTCA SC-186



Tracking Information (committee secretary only)	
Change Issue Number	19
Submission Date	11/03/2004
Status (open/closed/deferred)	pending
Last Action Date	

Short Title for Change Issue:	ASSAP must treat integrity as unknown for data received from ADS-B versions which broadcast NUC.
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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>The integrity of data that is transmitting from initial ADS-B systems which broadcast NUC rather than NIC and NAC have inherent ambiguity in the associated integrity and accuracy of that data. Therefore, all data received from DO-260 systems must consider integrity (i.e. NIC) as “unknown”. This must also apply to DO-260 equipment that is compliant with TSO C166 because, without a unique version identifier, it cannot be determined by a receiving ASA participant if the received data is from a TSO compliant system.</p>				

<u>Originator’s proposed resolution:</u>
<p>Place a requirement within ASSAP that any received ADS-B data from version which broadcast NUC rather than NIC and NAC shall assume a value of ZERO (or unknown) for that data’s integrity.</p>