

Comments for Draft Revisions (Not Applicable to Directives; Refer to Directive Management Officer for Directive Comment Format)

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Comments Submitted By:	Vtong
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#	Document Name	Page Number	Paragraph Number	Referenced Text	Comment/Rationale or Question	Proposed Resolution	Comment Type (Conceptual, Editorial, or Format)	Disposition/Response to Comment
	TSO-C115d	1	3	Requirements	Table 2-15 does not exist in DO-283B - typo	Change Table 2-15 to Table 2-13.	Editorial	Accepted.
	TSO-C115d	1	3.a.	Functionality	"...navigation computer function outputting deviation commands..." This could be referring to another CSCI (Computer Software Configuration Item), hence the referenced text is referring as "Functionality"	This should revert back to the previous version TSO-115C verbiage for consistency as "... navigation management function..."	Editorial	Accepted.
	TSO-C115d	2	2c	Loss of the function defined in paragraph 3.a. is a hazardous failure condition for lateral guidance and a major failure condition for vertical guidance provided by SBAS equipment.	"A major failure condition" for Vertical guidance should be classified as hazardous since its sensor input source is SBAS.	Hazardous failure condition for V guidance when input source is SBAS.	Conceptual	Partially Accepted. The comment most likely applies to 3.b(2). This section has been deleted since it applies to RNP AR which isn't covered by this TSO. Additionally, the applicability section was changed to clearly identify which operations are addressed by this TSO and which are not.
	TSO-C115d	2	3	"...design the system to the appropriate failure condition..."	We should included the sensor inputs equipments in the paragraph. If not, paragraph (3) seems to be redundant.	Either remove paragraph (3) or add "design the system to include the appropriate sensor input source to the failure condition classification..."	Conceptual	Partially Accepted. The sentence was changed as follows: " <i>Design the system to the appropriate failure condition classifications consistent with the sensor used.</i> "

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Comments Submitted By: Jay Yi

Organization: Seattle ACO

Phone: 425 917-6494

#	Document Name	Page Number	Paragraph Number	Referenced Text	Comment/Rationale or Question	Proposed Resolution	Comment Type (Conceptual, Editorial, or Format)	Disposition/Response to Comment
1	TSO-C115d	All	All	No Software level noted on the TSO for hazard category.	Provide a section for Software level for hazard category.	Include software level of hazard category. Major failure condition should provide level C software level and Level B for hazardous failure category.	Conceptual	OBE. The section defining 'hazardous' failure conditions has been deleted because it doesn't apply to this TSO.

Comments Submitted By: Jeff Meyers

Organization: ANM-111

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#	Document Name	Page Number	Paragraph Number	Referenced Text	Comment/Rationale or Question	Proposed Resolution	Comment Type (Conceptual, Editorial, or Format)	Disposition/Response to Comment
1	TSO-C115d	8	App. 1 2.2.1.4.14	Reference to DO-257A.	DO-257A, by itself it is not adequate for RNP. Until DO-257B is released, applicants should reference DO-283A, appendix K.	Modify Note 2 to say: "At the time of publication RTCA DO-257A was under revision. Manufacturers should use DO-257A with DO-283A, appendix K until RTCA/DO-257A is published.	Conceptual	Accepted.

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Comments Submitted By:	
Organization:	ACE-100
Phone:	

#	Document Name	Page Number	Paragraph Number	Referenced Text	Comment/Rationale or Question	Proposed Resolution	Comment Type <small>(Conceptual, Editorial, or Format)</small>	Disposition/Response to Comment
	TSO C115d	2	2	RNP<0.3 (excluding localizer performance with vertical guidance (LPV) and GBAS landing system (GLS))	Why are we excluding LPV and GLS in the nav performance? Why doesn't it get excluded for RNP > 0.3? How can this be verified by the ACO?	Clairfy why the LPV and GLS performance is only being excluded in the RNP < 0.3 and how to validate the calculation.		Accepted. The applicability section is changed to clearly state what operations the TSO applies to and what it doesn't. Section 3.b(2) was deleted since that was an RNP AR operation and isn't covered by the TSO.

Comments Submitted By:	
Organization:	ASW-100
Phone:	

	TSO-C115d	8	2.2.1.2.2	Flight Planning: The equipment shall not permit the flight crew to select a procedure or route, ...	The intent of the wording in this section could be clearer. Propose change to the wording to clarify.	The equipment shall not permit the flight crew to select a procedure or route, either manually or automatically, that is not supported by installed aircraft systems, such as autoflight guidance systems or autopilots, or requires the aircraft to perform in a manner for which it was not certified.		Not Accepted. RTCA/DO-283B only addresses requirements for the RNP equipment and a TSO only addresses equipment performance and production approval, not the installed performance, other aircraft systems, or aircraft capability. Paragraph 2.2.1.2.2 is only in reference to the RNP equipment and capabilities of the RNP equipment. Installed performance, interfaces with other on-board equipment, and aircraft capability is addressed by the airworthiness approval. AC 20-138D provides guidance on installed performance for the airworthiness approval.
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