

FIELD DOCUMENT REVIEW LOG

Document No.: TSO-C139a Aircraft Audio Systems and Equipment		2. Project Lead: Steve. Ramdeen		3. Reviewing Office (Name and Phone Number): AIR-130/2023854883		4. Due Date: 09/25/2013		5. Date of AIR-100 Disposition: 09/25/2013	
Item No:	Page and Paragraph No:	Commenter	Comment:	Reason:	Recommendation:	AIR-100 Disposition:			
1.	Pg. 1 Para 1 2 nd sentence	J Keefer	In "it,"	Specify the word "it"	Change the word "it" to the words "this document"	accepted			
2.	Pg. 1 Para 1 2 nd sentence	J Keefer	Administration, (FAA))	FAA in parenthesis should be before the comma since it is a part of the spelled out acronym.	Put the comma after FAA in parenthesis.	accepted			
3.	Pg. 1 Para 1, 2 nd sentence	J Keefer	"Tell" you	The word "tell" does not seem like the best word for this document.	Change the word "tell" with the word "instruct".	Not Accepted, Standard Template language, this information will be provided to AIR-120 for consideration			
4.	Pg. 1 Para 2, 4th sentence	J Keefer	We may "do so, however," up to six months after "it,"	This sentence is choppy and does not flow well. Some words need to be changed for clarification	Move the word "however" to the front of the sentence followed by a comma. Then replace the words "do so" with "accept applications". Replace the word "it" with the words "the effective date."	New template language provide by AIR-130 front office			
5.	Pg. 1 Para 3, Note	J Keefer	"MOPS"	This acronym should be spelled out.	Minimum Operational Performance Standards.	Note will be removed prior to final publication and date will be inserted			
6.	Pg. 1 Para 3(a), 1 st sentence	J Keefer	"This TSO's standards"	These words are choppy.	Rearrange the words "This TSO's standards" with "The standards of this TSO" apply	Not Accepted, Standard Template language, this information will be provided to AIR-120 for consideration			
7.	Pg. 1, Para	J Keefer	"In it"	These words aren't	Delete the words "in it." Begin the	Not Accepted,			

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	3 (a), 2 nd sentence			needed.	sentence with "We."	Standard Template language, this information will be provided to AIR-120 for consideration
8.	3b	Mark Wiley	An equipment specific functional hazard assessment (FHA) should be accomplished by the manufacture to identify equipment failure modes and associated hazards. An equipment installer must have the equipment specific FHA to adequately verify FHA assumptions, to determine potential effects on the installation and to access the equipment contribution to the aircraft level system safety assessment.	Clarification	Add wording from comments	Not Accepted, Standard Template language, this information will be provided to AIR-120 for consideration
9.	Page 4, Par (6) g.	N. Davidson, AIR-220	This paragraph refers to the "quality system description required by 14 CFR section 21.608"	21.607 is titled as "Quality System", but 21.608 is titled as "Quality Manual"	Confirm the regulatory citation used in Paragraph is the intended one. Also, present as 14CFR 21.XXX or simply as section 21.XXX	Not Accepted, Standard Template language, this information will be provided to AIR-120 for consideration
10.						
11.	3 e., 6 g.,	Marc Ronell	Change DO-178b to DO-178C	There are significant differences between the DO-178b and C especially how the FHAs must now trace into the requirements. Require the latest		Accepted

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				software guidance.		
12.	5 a. (3)	Marc Ronell	Add that the installation instructions must contain a listing of Software and Complex Electronic Hardware Open Problem Reports which pertain to the specific hardware and software versions being installed. If hardware or software versions are updated, the new version must come with the current listing of software/hardware open problem reports for the software/hardware version to be installed.	Open problem reports may very well be relevant to the aircraft systems and may have side effects which do not impact the TSO functions, but may impact other aircraft functions at a system level. Installer need to know of any potential problems which are unresolved at installation time.		Not Accepted, Standard Template language, this information will be provided to AIR-120 for consideration
13.	5 a. 7. C.	Marc Ronell	<p>a. Please add: "If the article includes software: plan for software aspects of certification (PSAC), software configuration index (SCI), software accomplishment summary (SAS) and a summary of data/evidence supporting the applicable objectives in the RTCA/DO 178BC Annex A Tables including explanations for any Annex A</p>	An important goal of DO-178 documents is to get the applicants to ensure their software meets the objectives listed in the Annex Table Objectives. Submitting evidence that the objectives are satisfied makes determining whether DO-178 was applied much easier.		Not Accepted, Standard Template language, this information will be provided to AIR-120 for consideration

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			objectives not considered; explain why the objectives are not applicable."	This data could also just be retained as manufacturer data.		
14.	5.g.	Marc Ronell	"The quality system <i>should</i> ensure that you will detect any change to the approved design that could adversely affect compliance with the TSO MPS, and reject the article accordingly." Please change should to must.	The quality system <i>must</i> ensure that you will detect any change to the approved design that could adversely affect compliance with the TSO MPS, and reject the article accordingly. Maybe "should" really needs to be a "must" or requirement.		Not Accepted, Standard Template language, this information will be provided to AIR-120 for consideration
15.						
16.						