

**Clearance Record  
DOCUMENT COMMENT LOG**

<b>Originating Office:</b> AIR-120	<b>Document Description:</b> TSO C100c	<b>Project Lead/Reviewer</b>	<b>Reviewing Office:</b> ACE-180 / Chicago ACO / Wichita ACO	<b>Date of Review:</b>
---------------------------------------	---	------------------------------	--	------------------------

<b>Commenter</b>	<b>Page &amp; Paragraph</b>	<b>Comment</b>	<b>Reason for Comment</b>	<b>Suggested Change</b>	<b>Comment Resolution</b>
ACE-180	General Comment	The new part 21 changes for 14 CFR Part 21 will be implemented on April 16, 2011. If this TSO is not signed prior to that date the references made to part 21 are incorrect as making requirements are moved to part 45. In the new change all other references in subpart O are renumbered			
ACE-118Wa	Multiple	14 CFR Part 21 has been revised and is scheduled to become effective April 16, 2011, the references to 14 CFR 21.xyz in this TSO revision should be updated and the TSO should be	To have the correct and up-to-date references to the 14 CFR Part 21 regulations once it goes into effect as many paragraphs have been changed, deleted and/or moved in the revision (note 21.607d marking requirements have been	Update references to 14 CFR 21.xyz and release the TSO revision on/after the effective date of the revision to Part 21.	

Commenter	Page & Paragraph	Comment	Reason for Comment	Suggested Change	Comment Resolution
		released on or after that date.	moved to new 45.15).		
ACE-118Wa	Page 1, Par 3.a and Page 5, Appendix 1	Page 1 has SAE AS 5276/1 as “Performance Standard for Child Restraint Systems in Transport Category Airplanes, dated September 2000” but page 5 has “Child Restraint Systems in Transport Category Airplanes, dated October 2000”.	Title and date for SAE AS 5276/1 does not match. Also on the SAE’s website <a href="http://standards.sae.org/as5276/1">http://standards.sae.org/as5276/1</a> the published date listed is 2000-11-01. Without access to the SAE standard, I don’t know what the correct title and date should be	Editorial correction of title and date.	
ACE-116C	Page 5- Appendix 1, Paragraph 2.5d	A height of 44 inches (110 cm) seems tall for a toddler	At a height of 44 inches and based on 50 percentile growth charts, the average age for both boys and girls is 5.5 years which is rather old. The age of 3 should be the upper limit for toddler.	Research again what a toddler age should be and add the term “Young Child” for children too old to be toddlers	

Commenter	Page & Paragraph	Comment	Reason for Comment	Suggested Change	Comment Resolution
ACE-118Wa	Page 5 – Multiple/Appendix	Page 5 for “Entire Document” the TSO says “Throughout document use Aviation Child Safety Device (ACSD) in place of CRS” but in many locations in the appendix “ACRS” is used and in others ACSD is used.	I’m not sure what ACRS is or if that is intended to be ACSD, is should be left as CRS or all changed to ACSD.	Editorial correction to be consistent, leave CRS or change them all to ACSD.	
ACE-118Wa	Page 7, FAA modification to Paragraph 3.3, and Page 14 Appendix 2 item 5	The TSO should require 25.853(c) and testing to part II of appendix F for seat cushions in the ACSDs. Also the date “February 2, 1995” is an earlier amendment for 25.853, and Appendix F also has different amendment levels and dates which is not the same as 25.853, References to the regulations and testing appendix should be updated to	The TSO does not have 25.853 9 (c) which has requirements for seat cushions to meet test requirements of part II of appendix F in addition to meeting requirements of 25.853(a). Since we are revising the TSO the referenced regulations and testing appendix F should be updated to the latest amendment levels. Also, I think “Part I(a)(iv)” for the seat belts and shoulder harnesses. Item 5 of appendix 2 only lists one of	Include wording to require 25.853 © and testing to part II of appendix F for seat cushions in the ACSDs and update to the latest amendments. Change “Part I(a)(iv)” to “Part I(a)(1)(iv)” for the seat belts and shoulder harnesses.	

Commenter	Page & Paragraph	Comment	Reason for Comment	Suggested Change	Comment Resolution
ACE-118Wa	Page 11, Paragraph 7.1i	<p>the latest amendment levels and dates.</p> <p>Where it says “Add a new paragraph 7.11. to read:”, that should be “7.1i”.</p>	the tests	Editorial correction, change “7.11” to “7.1i”	
SACO ANM-150S	Page 2, paragraph 4.a MARKING	Missing 14 CFR 21.607(d)(3) marking restriction	TSO-C100b contains this restriction.	Add 14 CFR 21.607(d)(3) marking restrictions. “Use the date of manufacture. Do not use the optional serial number.”	
ANM-150L	Page 3, Paragraph e and 1	<p>Noted that only require “List of ...” Should have statement that if the FAA requests drawings or processes they need to be provided</p>	We have had companies state they do not need to provide documents based on the TSO.	Recommend add a statement that if the FAA requests documentation it be provided. Maybe add this statement under item #7 on page 4.	
ANM-150L	Page 4 no paragraph	Add something regarding LODA holders and/or TSO holders regarding providing data that is	We have recently run into a situation with a foreign partner where data will not be forthcoming since there is pending action.	Collaboration is encouraged, especially if we need information since they are not required per the TSO to provide all	

Commenter	Page & Paragraph	Comment	Reason for Comment	Suggested Change	Comment Resolution
ANM-150L	Appendix 1	being requested  Appendix 1 changes are so global why not create the modified AS5276 as part of the TSO? Fourteen (14) of the 16 pages of SAE document are modified by the TSO.	Changes are so extensive there is room for confusion by the applicant and FAA as to what is required.	documentation-only lists.  Change and make our own document in lieu of using SAE document.	
ANM-115 JAS	Page 6, appendix 1, AS5276/1 citation paragraph 3.2	Incorrect citation of CFR. Is 49 CFR 57.225. S5.9, should be 49 CFR 571.225. S9	Typo	Should be 49 CFR 571.225 S9	
ANM-115 JAS	Page 6 and on Appendix 1	Incorrect citation of ACSD (ACRS is used numerous places.	Typo	Should be ACSD	

Commenter	Page & Paragraph	Comment	Reason for Comment	Suggested Change	Comment Resolution
ANM-115 JAS	Page 7, appendix 1, AS5276/1 citation paragraph 4.1.2	Complex term midsgittal plane	Typo and Not use of plain language	Define term midsagittal plane, i.e., [a vertical plane through the midline of the body; divides the body into right and left halves]	
SACO ANM-150S	*P8/9 Appendix 1, Paragraph 5.1.1	49 CFR § 571.213 S6.1.2(d)(iii)	Correct paragraph numbering.	49 CFR § 571.213 S6.1.2(d)(1)(iii)	
SACO ANM-150S	*P9, Appendix 1, Paragraph 5.3	49 CFR § 571.213 S6.1.2(d)(i)	Correct paragraph numbering	49 CFR § 571.213 S6.1.2(d)(1)(i)	
SACO ANM-150S	*P10, Appendix 1, Paragraph 6.5.1	49 CFR § 571.213.S4.3.5(a) through (d)	S4.3.5(a) through (d) does not exist in 49 CFR § 571.213.S4 (Definitions).	Possible S6 reference?	
ANM-115 JAS	Page 10, appendix 1, AS5276/1 citation paragraph 6.5.1	Says to add a new paragraph to the AS, while the AS already has a paragraph 6.5.1	Incorrect reference to AS document.	Change the text ‘Add a new paragraph 6.5.1 to read:’ to ‘Revise text to read:’	

Commenter	Page & Paragraph	Comment	Reason for Comment	Suggested Change	Comment Resolution
ANM-115 JAS	Page 11-12, appendix 1, AS5276/1 citation figure A2	Non substantive change in sentence between Note B and Item 1 should not be a reason to repeat the entire figure.	No changes were made to figure A2 itself	Delete this section as the AS figure is correct and acceptable as is.	
ANM-150L	Page 12 of TSO, Item 2	Velcro is a trademark and name brand. Must applicants use Velcro or may they use hook and loop?	Are we defining design of allowing them to use what meets the requirements	Change nomenclature.	
ANM-115 JAS	Page 13, appendix 1, AS5276/1 citation figure A6	Text in graphic of figure A6 is 'Times-Roman', it should be Arial Bold	We should use the same font in the figure example that is called out in the bulleted text	Change font in Figure A6 graphic to Arial Bold 18 pt and 16 pt	
ANM-115 JAS	Page 11, appendix 1, AS5276/1 citation paragraph 7.1h. Pg 11	Add font type and point size for this warning label.	This warning label is more critical (Death or serious injury) than the figure A6 one (serious injury), yet we do not require font and point size.		
AFS-820		Typo, met should be meet			

Commenter	Page & Paragraph	Comment	Reason for Comment	Suggested Change	Comment Resolution
<p>AFS-220 DKD</p> <p>AAM-630</p>	<p>Multiple</p>	<p>Reviewed and concur with TSO C100c</p> <p>Revise document to reflect proposed changes provided previously to AIR-120 on 11-15-2010. These changes were provided in the form of a marked-up document and reflect research findings outlined in an approved OAM report "Aviation Child Safety Device Performance Standards Review" (in press)</p>	<p>Current version of document does not reflect many of the proposed changes previously provided.</p>	<p>Approve with Revision</p>	