

DISPOSITION OF INTERDIRECTORATE COMMENTS

Advisory Circular No. 25.341X, *Dynamic Gust Loads*

FAA Contact: Todd Martin todd.martin@faa.gov

No.	Comment	Requested Change	Disposition
Commenter: Narinder Luthra, ANM-120S			
1	Duplicate figure 1	Remove duplication.	Agreed. The change is made.
2	Paragraph missing at the end of (2) Discrete Gust Response, page 7	Add paragraph.	Agreed. The change is made.
3	25.302 missing, page 15, f(2)	Add reference.	Reference to § 25.302 is not included because we have no § 25.302 yet. No change.
4	25.2(b)(2) missing, page 17, 9(a)(2)	Add reference.	Reference to appendix K25.2(b)(2) is not included because we have no such appendix yet. The sentence is retained without the specific reference. No change.
5	Duplicate figure 5	Remove duplication.	Agreed. The change is made.
6	Add regulation 25.349 to list in 25.373(a)	Add regulation.	<p>It would make sense to include § 25.349 (rolling conditions) as a relevant requirement to consider within § 25.373 (speed control devices). However, since this is a harmonization rulemaking proposal, and this reference is not included in the corresponding CS-25, we are not able to include it here. No change.</p> <p>It is noted that on all current certification programs, special conditions are used in lieu of § 25.349. In those special conditions, the rolling input is specified in terms of pilot input, rather than aileron deflection. Therefore, the effects of spoilers will be considered to whatever extent they are deployed during the specified rolling conditions.</p>

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No.	Comment	Requested Change	Disposition
Commenter: David Rathfelder, ANM-120L			
1	The suggested revision to the NPRM will complete the harmonization between FAA AC 25.341 and EASA AMC 25.341.	Add reference to §25.302 (Interaction of Systems and Structures) in AC 25.341, wherever CS 25.302 rule is mentioned within EASA AMC 25.341.	Reference to § 25.302 is not included because we have no § 25.302 yet. No change.
2	<p>The Preamble Information should describe the history of changing the gust velocity. Also, wording should be added to clarify that gust loads must be calculated for “airplane speeds from VB to VC (including VB and VC).” Currently, the rule states that gust loads just be calculated at “airplane speeds between VB and VC.”</p> <p>Adding these clarifications are relevant since the gust velocities at VB and VC for the previous Pratt gust formula (§25.341 Amd’t 72) were not the same. Furthermore, the gust requirement was removed for VB speed (§25.341 Amd’t 86).</p>	It would be helpful to add additional historical information into the Preamble Information for the rule.	<p>Historical information on the derivation of the gust speeds is already included in the preamble, and we don’t believe any additional information is necessary.</p> <p>The preamble already specifies that evaluation of discrete gust conditions is required “at airplane speeds from V_B to design cruising speed, V_C.” Therefore, we believe this point is sufficiently clear. No change.</p>

No.	Comment	Requested Change	Disposition
Commenter: Jim Kabbara, AIR120			
1	Page 3 Figure 1 Basic Elements of the Gust Response Analysis. What is the difference between the upper part and the lower part of the figure 1.0? It seems that there is duplication of items in the figure 1.0	Remove duplication.	Agreed. The change is made.

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No.	Comment	Requested Change	Disposition
2	Page 21 Figure 5 Basic Elements of the Gust Response Analysis. What is the difference between the upper part and the lower part of the figure 5.0? It seems that there is duplication of items in the figure 5.0	Remove duplication.	Agreed. The change is made.

No.	Comment	Requested Change	Disposition
Commenter: Mike Reyer, ACE-113			
1	Page 6 - Figure 2, "Design Gust Velocity Profiles" Label on Vertical Axis, Gust Velocity "U" Should be "U _{ds} "	Change "U" to "U _{ds} "	The figure is correct. U is shown as a function of U _{ds} . No change.
2	Page 18 - Paragraph 9.c.(5), second sentence, the word "whilst" is Queen's English. Archaic. Change to "while".	Change "whilst" to "while" Also review the rest of the AC for other instances of Queen's English.	Agreed. The change is made and the rest of the document was reviewed.

No.	Comment	Requested Change	Disposition
Commenter: AIR-500			
1	Global Change. Only the first two levels of a paragraph should be bold.	Remove the bold from all the subsections. For examples refer to paragraphs 6b(1), (3), & (4); 6c(1) & (2); 10e(3) & (5).	Agreed. Changes made.
2	Between Subject Area and Paragraph 1, Page 1. Incorrect spacing.	There should be only two spaces between Subject Area and paragraph 1.	Agreed. Change made.
3	Paragraph 3(1) – (15), Pages 1 & 2. Incorrect formatting and labeling of subparagraphs.	Delete the number labeling of subparagraphs (1) – (15). Replace with letters.	Agreed. Changes made.

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No.	Comment	Requested Change	Disposition
4	Paragraph 3(1) – (15), Pages 1 & 2. Incorrect format.	Use letters (a, b, c...), not (1), (2), (3) etc.	Duplicate comment—see 3 above.
5	Paragraph 6, (4) (a), & (4) (d) Page 7, 8. Improper punctuation.	Remove the underline from the words “Atmosphere”, and “Multi-axis gust response”.	Agreed. Removed underline and reformatted section with appropriate levels under “Atmosphere” and “Multi-axis gust response.”
6	Paragraph 6c(2)(f)2, Page 12. Missing colon. Inconsistent with the rest of the document.	Place a colon after the abbreviation “GH” in the subsections title.	Agreed. Change made.
7	Paragraph 8(b) (2), Page 16. Incorrect format.	Suggest you use letters (a & b), not (1) & (2). Then the new (a & b) should be shown as subparagraphs to (?).	Agreed. Change made.
8	Paragraph 9 (b) (1), Page 17. Incorrect alignment. Cannot have a (1) without a (2).	Align the paragraph to appear directly beside the first term in the main paragraph title header.	Agreed. Change made.
9	Paragraph 9, (c) (5), Page 18. Improper wording.	Remove the word “whilst” and replace with the word “while”.	Agreed. Change made.
10	Page 21. Unnecessary language.	Remove the title “END”.	Change will be made on final document.
11	Page 21. Missing signature block.	Place the signature block five spaces after the last paragraph in the document.	Change will be made on final document when ready for signature.