


Future updates to CS27/29 AMC

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Rotorcraft Structures Workshop
18-19 February 2025

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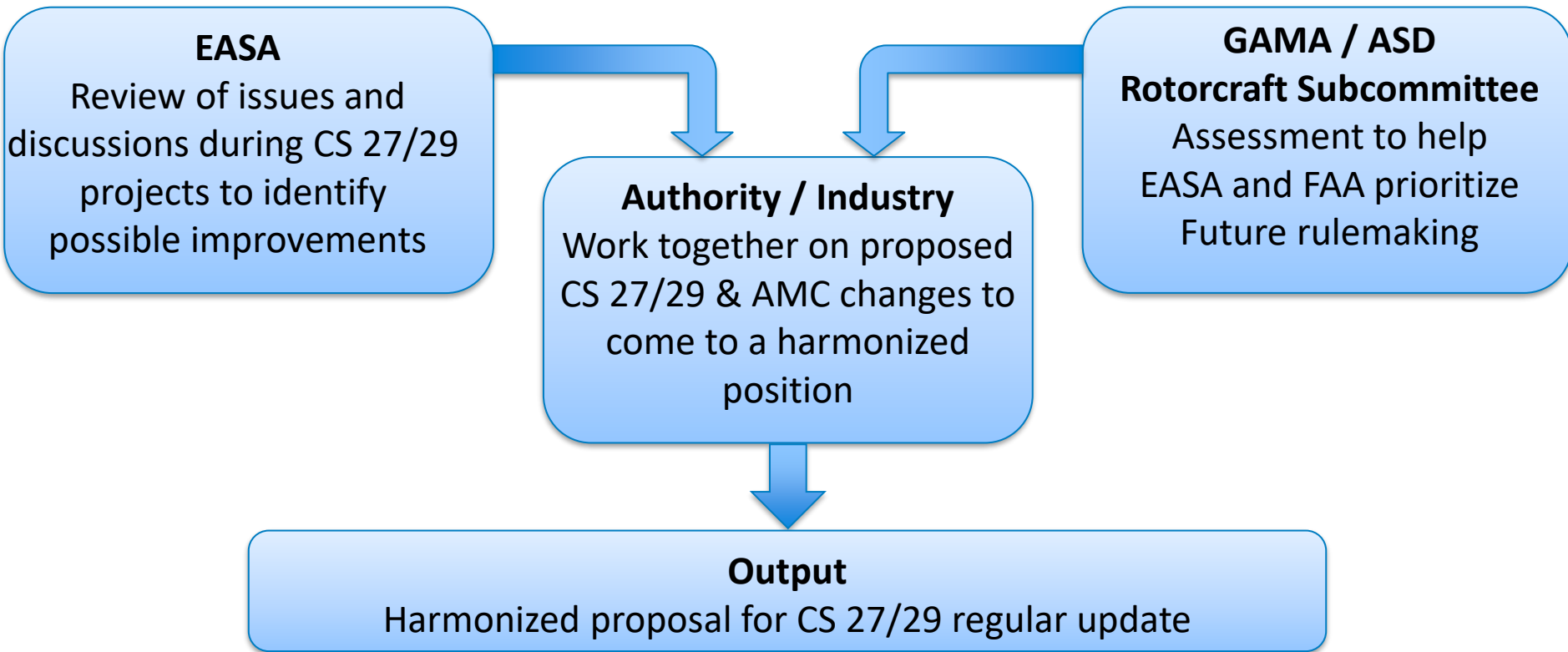
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Content

- Overview
- Proposed updates
 - AMC 27/29.865 External Loads
 - AMC 27/29.307 Proof of Structure
 - AMC 27/29.251 Vibration
 - AMC 27/29.395 Control System

Rulemaking procedure



27/29.865 AMC update

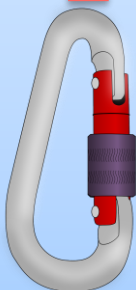
Operator Harness Attachment (rotorcraft)

Current **20g** $\leq 7g$ Future

Should comply to CS27/29.561(b)(3)



Should comply to CS27/29.337-.341 (Not used during TT&L)



Simple PCDS:
.865 AMC No 2
UL: M*7g



No Change

7g

Rescue Triangle

Include rescue triangles iaw. EN 1498 in 27/29.865 AMC No. 2



Current

EN 1497 – **10** x Mg

EN 1498 – **14** x Mg

Future

EN 1497 – **10** x Mg

EN 1498 – **10** x Mg

27/29.865 AMC update

AMC guidance for certification cables, synthetic and metallic, based on existing CRI will be introduced in AMC 27/29.865



HEC-P

AMC guidance for certification of HEC-P (Platform) based on existing CRI will be included in CS 27/29.865



<https://aeropower.com.au/>

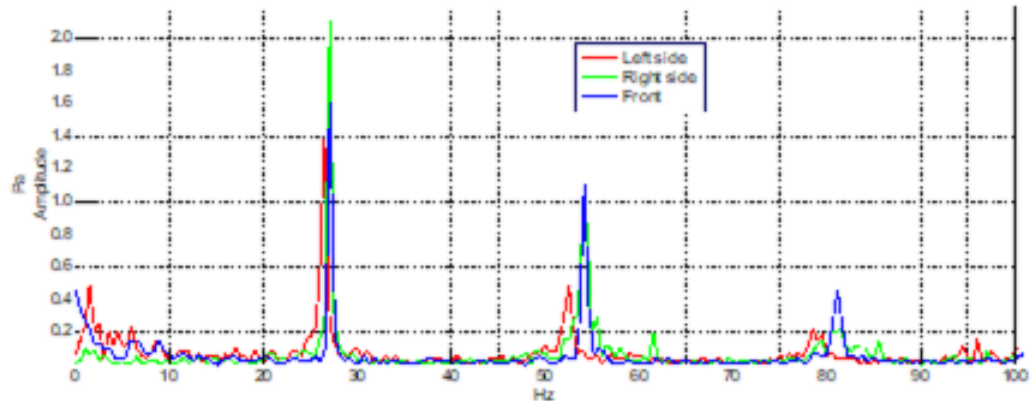
AMC 3 27/29.307 adapter plate

- The current AMC material is based on CS-25 material.
- Update is needed to include specific examples for rotorcraft



AMC1 27/29.251 update for clarification

- Provide clarification of the wording regarding equipment installation
- Include a link to CS 27/29.613(c)



https://www.researchgate.net/figure/Amplitude-frequency-diagram-of-the-measured-noise-in-frequency-range-up-to-100-Hz-S_fig4_336802193

AMC1 27/29.395 update for clarification

→ Providing clarification regarding the applicability of the jamming cases





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