**ASD Proposals for Introduction in the**

**European Plan for Aviation Safety 2020-2024**

Introduction

This document aims at providing inputs to the EASA very upstream in the definition process of the EPAS 2020-2024.

These inputs are categorized into the 4 main EPAS streams: Safety, Environment, Efficiency/Proportionality, Level Playing Field and list all the actions that should be included in the next EPAS revision.

The suggested actions are in the domains of Rulemaking, Safety Promotion or Research.

Proposals

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Title** Engine blade failure – performance of containment systems | | | | | | | | |
| **New task?** Yes | | | | **Existing Task No.:** Not applicable | | | | |
| **Issue/Rationale**  Latest analysis techniques, supported by in service experience, have indicated that the guidance in the AMC to CS-E 810, ‘Compressor and Turbine Blade Failure’, may not adequately address the performance of containment systems, given that compliance with the rule is currently on the basis of a single test. An update to the rule and guidance is proposed, that takes account of today’s technology, design and analysis methods, and builds on service experience to ensure that compliance with the rule demonstrates an acceptable level of safety for the product with respect to compressor and turbine blade failure. | | | | | | | | |
| **What we want to achieve** Safety assurance in the case of a blade failure | | | | | | | | |
| **Precise Change Proposed to EPAS**  Title: Engine blade failure – performance of containment systems  Description: As under ‘Issue/Rationale’  Owner: ?  Affected stakeholders: DAHs  PIA: ?  Proc: ST  3rd C: Yes  ToR: Q3 2021  NPA: Q2 2022  Opinion: n/a  Commission IR: n/a  Decision: Q1 2023 | | | | | | | | |
| **Category (X)**  *(Cross all that apply and highlight one that should appear in EPAS*) | **Safety** | | **Environment** | | **Efficiency** | | **Level Playing Field** | |
| Rulemaking | **x** | |  | | x | | x | |
| Safety Promotion |  | |  | |  | |  | |
| Research |  | |  | |  | |  | |
| **Relevant SAB subcommittees (X)** *(Cross all that apply)* | CAS.COM | | GA.COM | | R.COM | | C.COM | |
| FS.TEC | DM.TEC  x | | EM.TEC | | ADR.TEC | | ATM/ANS.TEC | |
| **Relevant ASD working groups (X)** *(Cross all that apply)* | DOA-WG | POA-WG | | MRO-WG | | PWG  x | | Other (please specify) |