

Executive Director Decision

2024/009/R

issuing the following:

**Amendment 12 to the Certification Specifications, Acceptable Means of Compliance and Guidance
Material for Large Rotorcraft
'CS-29 — Amendment 12'**

***'Reduction in accidents caused by failures of critical rotor and rotor drive components through
improved vibration health monitoring systems'***

THE EXECUTIVE DIRECTOR OF THE EUROPEAN UNION AVIATION SAFETY AGENCY (EASA),

Having regard to Regulation (EU) 2018/1139¹, and in particular Articles 76(3) and 104(3)(a) thereof,

Whereas:

- (1) Acceptable means of compliance are non-binding standards issued by EASA, which are used by persons and organisations to show compliance with Regulation (EU) 2018/1139 and with the delegated and implementing acts adopted on the basis thereof, or with the certification specifications (CSs).
- (2) Guidance material is non-binding material issued by EASA, which helps to illustrate the meaning of delegated or implementing acts or certification specifications and detailed specifications, and which is used to support the interpretation of Regulation (EU) 2018/1139, of the delegated and implementing acts adopted on the basis thereof, and of CSs and detailed specifications.
- (3) With Decision No. 2003/16/RM of 14 November 2003, the Executive Director issued Certification Specifications for large rotorcraft (CS-29 – Initial issue).

¹ Regulation (EU) 2018/1139 of the European Parliament and of the Council of 4 July 2018 on common rules in the field of civil aviation and establishing a European Union Aviation Safety Agency, and amending Regulations (EC) No 2111/2005, (EC) No 1008/2008, (EU) No 996/2010, (EU) No 376/2014 and Directives 2014/30/EU and 2014/53/EU of the European Parliament and of the Council, and repealing Regulations (EC) No 552/2004 and (EC) No 216/2008 of the European Parliament and of the Council and Council Regulation (EEC) No 3922/91 (OJ L 212, 22.8.2018, p. 1) (<http://data.europa.eu/eli/reg/2018/1139/oj>).

- (4) EASA shall, pursuant to Article 4(1)(a) of Regulation (EU) 2018/1139, reflect the state of the art and the best practices in the field of aviation and update its Decisions, taking into account worldwide aviation experience and scientific and technical progress in the respective fields.
- (5) EASA determined the need to issue acceptable means of compliance (AMC) for vibration health monitoring (VHM) systems. Since the development and introduction of the related CSs and AMC for VHM systems, there have been improvements with regard to the capability of these systems, the processing techniques used, and the understanding of the dynamic behaviour of the components that are being monitored. Therefore, the potential now exists to place a greater level of reliance on these systems to help prevent failures in rotors and rotor drive systems. This requires changes, certain updates and improvements of the existing AMC. Guidance material has also been developed to provide guidance and definitions of terms used in the AMC.
- (6) EASA, pursuant to Article 115(1)(c) of Regulation (EU) 2018/1139 and Article 6 of the EASA Rulemaking Procedure², widely consulted the interested parties on the content of this Decision, and provided thereafter a written response to the comments received through the consultation³,

HAS DECIDED:

Article 1

The Annex to this Decision is issued as Amendment 12 of the Certification Specifications, Acceptable Means of Compliance and Guidance Material for Large Rotorcraft (CS-29).

Article 2

This Decision shall enter into force on the day following that of its publication in the Official Publication of EASA.

Cologne, 26 November 2024

For the European Union Aviation Safety Agency

The Executive Director

Florian GUILLERMET

² EASA is bound to follow a structured rulemaking process as required by Article 115(1) of Regulation (EU) 2018/1139. Such a process has been adopted by the EASA Management Board (MB) and is referred to as the 'Rulemaking Procedure'. See MB Decision No 01-2022 of 2 May 2022 on the procedure to be applied by EASA for the issuing of opinions, certification specifications and other detailed specifications, acceptable means of compliance and guidance material ('Rulemaking Procedure'), and repealing Management Board Decision No 18-2015 ([EASA MB Decision No 01-2022 on the Rulemaking Procedure, repealing MB Decision 18-2015 \(by written procedure\) | EASA \(europa.eu\)](#)).

³ [Comment Response Documents | EASA \(europa.eu\)](#)

