

Executive Director Decision

2017/020/R

of 19 October 2017

amending General Acceptable Means of Compliance for airworthiness of products, parts and appliances (AMC-20)

'AMC-20 — Amendment 14'

Airborne software development assurance using EUROCAE ED-12 and RTCA DO-178

THE EXECUTIVE DIRECTOR OF THE EUROPEAN AVIATION SAFETY AGENCY,

Having regard to Regulation (EC) No 216/2008¹, and in particular Article 38(3)(a) thereof,

Having regard to Commission Regulation (EU) No 748/2012², and in particular point 21.A.16A of Annex I (Part-21) thereto,

Whereas:

- (1) EASA shall, pursuant to Article 18(c) of Regulation (EC) No 216/2008, issue certification specifications and acceptable means of compliance, as well as guidance material, for the application of Regulation (EC) No 216/2008 and its implementing rules.
- (2) Certification specifications are non-binding technical standards adopted by EASA which indicate the means to demonstrate compliance with Regulation (EC) No 216/2008 and its implementing rules and which can be used by organisations for the purpose of certification.
- (3) Acceptable means of compliance are non-binding standards adopted by EASA which may be used by persons and organisations to demonstrate compliance with Regulation (EC) No 216/2008 and its implementing rules or with the certification specifications; when acceptable means of compliance are complied with, the related requirements of the implementing rules or the certification specifications are met.

¹ Regulation (EC) No 216/2008 of the European Parliament and of the Council of 20 February 2008 on common rules in the field of civil aviation and establishing a European Aviation Safety Agency, and repealing Council Directive 91/670/EEC, Regulation (EC) No 1592/2002 and Directive 2004/36/EC (OJ L 79, 19.3.2008, p. 1).

² Commission Regulation (EU) No 748/2012 of 3 August 2012 laying down implementing rules for the airworthiness and environmental certification of aircraft and related products, parts and appliances, as well as for the certification of design and production organisations (OJ L 224, 21.8.2012, p. 1).

- (4) Guidance material is non-binding material developed by EASA which helps to illustrate the meaning of a requirement or specification and is used to support the interpretation of Regulation (EC) No 216/2008, its implementing rules, certification specifications and acceptable means of compliance.
- (5) With Decision 2003/12/RM of 5 November 2003, the Executive Director issued Acceptable Means of Compliance for Airworthiness of Products, Parts and Appliances (AMC-20).
- (6) EASA shall, pursuant to Article 19(2) of Regulation (EC) No 216/2008, reflect the state of the art and the best practices in the fields concerned and update its decisions taking into account worldwide aircraft experience in service, and scientific and technical progress.
- (7) EASA has determined the need to amend AMC 20-115C to better support applicants for type certification in showing compliance with the applicable airworthiness regulations with regard to the software aspects of airborne systems and equipment in the domain of product certification or European technical standard orders (ETSOs) authorisation.
- (8) EASA, pursuant to Article 52(1)(c) of Regulation (EC) No 216/2008 and Articles 6(3), 7 and 8 of the EASA Rulemaking Procedure³, has widely consulted interested parties on the matters which are the subject of this Decision and has provided thereafter a written response to the comments received⁴.

HAS DECIDED:

Article 1

The Annex to Decision 2003/12/RM of the Executive Director of the Agency of 5 November 2003 is amended as laid down in Annex II to this Decision.

Article 2

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

Cologne, 19 October 2017

*For the European Aviation Safety Agency
The Executive Director*

Patrick KY

³ EASA Management Board (MB) Decision No 18-2015 of 15 December 2015 replacing Decision 01/2012 concerning the procedure to be applied by the Agency for the issuing of opinions, certification specifications, acceptable means of compliance and guidance material ('Rulemaking Procedure') (<http://www.easa.europa.eu/system/files/dfu/EASA%20MB%20Decision%2018-2015%20on%20Rulemaking%20Procedure.pdf>)

⁴ <http://easa.europa.eu/document-library/comment-response-documents>

