

UPRT Information Session

CS-FSTD issue 2 – changes supporting UPRT training

18 June 2019

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Information session on CS-FSTD(A) issue 2 held 29-30 November 2018

Presentations available on EASA website

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CS-FSTD (A) issue 2 SUMMARY

EASA has aimed, where possible, to align the technical specifications of CS-FSTD(A) with those of FAA 14 CFR Part 60, Change 2.

The main changes are :

- **determine if the FSTDs' capability is appropriate to facilitate UPRT**
- **create a definition of 'FSTD validation envelope '**
- **increase the fidelity of the simulation of the engine and airframe icing effects**
- **addressing aerodynamic modelling for high angle of attack**
- **objective testing provisions which validate the cruising configuration, as well as the approach and landing configurations**
- **provide guidance on instructor operating station (IOS) feedback tools**

CS-FSTD (A) issue 2

Updates to Book 1 - Flight Simulation Training Device Standards (shown in a table format) **[Important]**

Updates to Book 2 – Terminology and Table of FSTD Validation Tests **[Useful info]**

New AMCs and GM

- AMC9 FSTD(A).300 Guidance on upset, stall (including in icing conditions), and qualification of FSTDs **[General information on what has been updated]**
- AMC10 FSTD(A).300 Guidance on high-angle-of-attack/stall model evaluation **[FULL STALL!]**
- AMC11 FSTD(A).300 Guidance on high angle of attack/stall model evaluation, and approach to stall for previously qualified FSTDs **[Applicability to older FSTDs]**
- AMC12 FSTD(A).300 Guidance on upset prevention and recovery training (UPRT) for FSTD Standards table **[ICAO Airplane Upset Prevention & Recovery Training Aid (AUPRTA) Rev 3, February 2017]**
- GM12 FSTD(A).300 Additional guidance on upset prevention and recovery training (UPRT) for the FSTD Standards table **[Helpful info the IOS tool set]**
- GM13 FSTD(A).300 Guidance material for engine and airframe icing evaluation provisions **[Helpful info on how to evaluate icing effects]**

CS-FSTD (A) issue 2

FFS QUALIFIED FOR THE UPSET RECOVERY TRAINING TASK

FSTDs that are found to meet the requirements of the update as introduced in CS-FSTD(A) Issue 2 will have their Qualification Certificate (QC) amended to reflect the capability for the additional training tasks that the FSTD has been qualified to support.

This then shows the FTSD is capable of providing the new requirements for UPRT training as per update of

Part-FCL with the Opinion 06/2017

CS-FSTD(A) Issue 2 – supporting information

- CS-FSTD(A) Issue 2 - Documentation
 - CS-FSTD (A) Change Information
 - Helps to understand the changes made since Initial Issue
 - Explanatory Note to Decision 2018/006/R
 - “This Decision amends the Certification Specifications for Aeroplane Flight Simulation Training Devices (CS-FSTD(A)) (Initial issue), and one of its primary objectives is to achieve the maximum alignment possible with FAA CFR 14 Part 60 Change 2,”
 - **EASA web site FAQ**
 - CS-FSTD(A) Issue 2
 - FAQ n.47253
 - The CS-FSTD(A) - issue 2 was published on 3rd May 2018. When does the applicant/operator need to comply with issue 2?

Thank you

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