

# Regulatory Notice



15 April 2024

## **MAA/RN/2024/04 – RA 2375 – Qualification, Approval and Use of Flight Simulator Training Devices Issue 4 - Waiver Validity for RA 2375 Issue 5.**

References:

- A. RA 2375 – Qualification, Approval and Use of Flight Simulator Training Devices Issue 4.
- B. RA 2375 – Qualification, Approval and Use of Aircrew Training Devices Issue 5.

### **Issue**

1. RA 2375 Issue 4 (reference A) was published under Notice of Authorized Amendment on 30 September 2020. The changes from Issue 3 rendered many organizations non-compliant, with significant work required to reach compliance with Issue 4. A transition period, during which no Waivers were required, ended on 30 September 2022. There were several Waivers issued after this date for organizations that remained non-compliant with Issue 4, many of which will expire after the publication date of Issue 5 (Reference B) in April 2024. There is no change in regulatory intent between Issue 4 and 5, therefore, there is no change in the requirements for compliance.

### **Aim**

This RN is intended to reassure Aviation Duty Holders and Accountable Managers (Military Flying) who have a valid Waiver against Issue 4, that there is no requirement to apply for an additional Waiver against Issue 5.

### **Implementation**

This RN is effective immediately.

### **Transitional Arrangements**

Contingent on the continued compliance with RA 2375 Issue 3, at Annex A, the following Waivers against Issue 4 remain valid against Issue 5 until their current expiry date:

MAA/AWE/2022/059	MAA/AWE/2022/083	MAA/AWE/2022/096
MAA/AWE/2022/107	MAA/AWE/2022/123	MAA/AWE/2022/124
MAA/AWE/2022/133	MAA/AWE/2022/134	MAA/AWE/2022/148
MAA/AWE/2022/166	MAA/AWE/2023/056	MAA/AWE/2023/144
MAA/AWE/2023/160	MAA/AWE/2023/168	MAA/AWE/2024/007
MAA/AWE/2024/015		

### **Queries**

Any observations or requests for further guidance on the content of this RN should be submitted by email to [DSA-MAA-MRPEenquiries@mod.gov.uk](mailto:DSA-MAA-MRPEenquiries@mod.gov.uk).

**DSA-MAA-OpAssure-Op-DepHd**

Annex:

A. RA 2375 – Qualification, Approval and Use of Flight Simulator Training Devices Issue

## RA 2375 - Approval and Use of Flight Simulator Training Devices

### Rationale

► *Flight Simulator Training Devices (FSTD) may be used as either preparation or substitution for live sorties in United Kingdom (UK) military Air Systems. However, FSTD vary considerably in fidelity and because of this their use must not prejudice the safe operation of that Air System. Careful consideration is therefore required to ensure the FSTD is fit for purpose.* ◀

### Contents

**2375(1): Approval of Flight Simulator Training Devices**

**2375(2): Use of Flight Simulator Training Devices**

### Regulation 2375(1)

#### Approval of Flight Simulator Training Devices

2375(1) Aviation Duty Holders ► (ADH) ◀ and Accountable Managers (Military Flying) (AM(MF)) **shall** approve for use the FSTD within their Area of Responsibility.

### Acceptable Means of Compliance 2375(1)

#### Approval of Flight Simulator Training Devices

1. FSTD approvals **should** be renewed and recorded at least annually, or after any significant modification to the live ► Air System, ◀ or the simulator, or its use, that has a potential impact on the safe operation of the live ► Air System. ◀ In doing so, the approver **should** assess material differences between the simulator and the 'as flown' ► Air System ◀ configuration as part of his Air System Safety Case<sup>1</sup> ◀.

### Guidance Material 2375(1)

#### Approval of Flight Simulator Training Devices

2. When assessing the fidelity of a FSTD the following considerations, as a minimum, are applicable:

- a. Handling characteristics throughout the flight envelope.
- b. Performance characteristics throughout the flight envelope.
- c. Mission realism.
- d. Accuracy of cockpit layout.
- e. Realistic systems architecture (eg software menus etc).
- f. Representative visuals with sufficient acuity.

3. Fidelity Assessments will normally be made by a current and qualified Test Pilot assisted by ► Qualified Aircrew Instructors (Qualified AI) ◀ who are current and qualified on type.

### Regulation 2375(2)

#### Use of Flight Simulator Training Devices

2375(2) ► ADH ◀ and ► ◀ AM(MF) **shall** determine the extent that ► FSTD ◀ can be used as a substitute for live flying based on the fidelity of the system being used.

### Acceptable Means of Compliance 2375(2)

#### Use of Flight Simulator Training Devices

4. ► ADH ◀ and AM(MF) **should** assess FSTD for their fidelity to be used to support flying training, currency and competency requirements including conversion to type and instrument flying. Consequently, ► ADH ◀ and AM(MF) **should** specify in orders the amount of synthetic flying time and the training exercises that may be conducted in such FSTD, and the periods in which these apply. Currency and training

<sup>1</sup> ► Refer to RA 1205 - Air System Safety Cases. ◀

**Acceptable  
Means of  
Compliance  
2375(2)**

hours flown in the FSTD **should** be recorded in the relevant section of the Aircrew logbook.

5. Where ►FSTD◄ substitutes for 'live' flying training, currency and competency requirements, including conversion to type and instrument flying, due consideration to other Regulatory Articles (RA) concerning 'live' flying **should** be applied, where appropriate.

**Guidance  
Material  
2375(2)****Use of Flight Simulator Training Devices**

6. Due consideration of other RA will include areas such as: ►Qualified AI◄; rules of the air; flight procedures; role specific operations; ►Air System◄ emergencies etc. However, medical requirements, Authorization and Aircrew fatigue management, for example, may be relaxed.

Only valid iaw  
MAA/RN/2024/04