



Australian Government

Civil Aviation Safety Authority

ADVISORY CIRCULAR

AC 60-02

Flight simulator approvals

Advisory Circulars are intended to provide advice and guidance to illustrate a means, but not necessarily the only means, of complying with the Regulations, or to explain certain regulatory requirements by providing informative, interpretative and explanatory material.

Advisory Circulars should always be read in conjunction with the relevant regulations.

Audience

This Advisory Circular (AC) applies to:

- flight simulator users

Purpose

Part 60 of the *Civil Aviation Safety Regulations 1998 (CASR)* requires that persons proposing to use a qualified flight simulator in a training, testing or checking program must apply to CASA for approval to use the flight simulator. In considering such an application, CASA is required by the regulations to consider the differences between the aircraft and flight simulator, and the person's operating and training competencies.

The purpose of this AC is to provide flight simulator users who are seeking approval with guidance on the type and quality of information to be included in the application to CASA. It also provides advice on the application method and information requirements for foreign flight simulator approval.

For further information

For further information on this AC, contact CASA's Standards Branch (telephone 131 757).

Unless specified otherwise, all subregulations, regulations, subparts, parts and divisions referenced in this AC are references to the *Civil Aviation Safety Regulations 1998 (CASR)*.

Status

Version	Date	Details
(0)	September 2003	Published.
(1)	May 2007	Incorporating changes to the list of States where CASA currently recognises Flight Simulator Qualification Certificates, and also changes relating to CASA's organisational restructure.
v2.0	February 2014	Version (1) re-numbered.
v2.1	February 2014	Add recognition of Flight Simulator Qualification Certificates issued by EASA.
v2.2	March 2016	Paragraph 5.3 changed to refer to 'recognised foreign state' as defined in CASR 61.010.

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1 Reference material

1.1 Acronyms

The acronyms and abbreviations used in this AC are listed in the table below.

Acronym	Description
AC	Advisory Circular
CASA	Civil Aviation Safety Authority
CASR	<i>Civil Aviation Safety Regulations 1998</i>
ICAO	International Civil Aviation Organization
MCQFS	Manual of Criteria for the Qualification of Flight Simulators Document 9625-AN/938
MOS	Manual of Standards

1.2 Definitions

Terms that have specific meaning within this AC are defined in the table below.

Term	Definition
Contracting State	A country that has signed the Convention on International Civil Aviation.

1.3 References

Regulations

Regulations are available on the ComLaw website <http://www.comlaw.gov.au/Home>

Document	Title
Part 60	Synthetic training devices.
Part 60 of the Manual of Standards (MOS)	
CASR Dictionary.	

Advisory material

Document	Title
ICAO Document 9625-AN/938	Manual of Criteria for the Qualification of Flight Simulators (MCQFS)

2 Flight simulator approvals

2.1 Application

- 2.1.1 Applicants for a flight simulator approval should apply to the local CASA Field Office in writing, providing the following:
- a. flight simulator user details
 - b. flight simulator approvals sought
 - c. a copy of the training and checking organisation approval (if relevant)
 - d. a copy of the training syllabus that specifies the flight simulator-based training sequences (if relevant)
 - e. a list of all configuration differences existing between the flight simulator and the applicant's aircraft
 - f. proposals for differences training (if relevant)
 - g. details of the flight simulator operator
 - h. flight simulator identification details
 - i. Flight Simulator Qualification Level
 - j. a copy of the Flight Simulator Qualification Certificate.

Note: The application may reference material previously supplied to, or issued by, CASA during the process of training and checking organisation approval, training syllabus approval, flight simulator qualification, and/or operator approval.

- 2.1.2 Flight simulator users, who are also flight simulator operators, may submit a combined application for qualification and approval of a flight simulator. The applicant should also state that the flight simulator is suitable for use in its training program, and has been assessed for:
- available visual and navigational databases
 - instructor training requirements for use of the flight simulator's Instructor's Station.

2.2 Approval

- 2.2.1 CASA flight simulator specialist staff should be consulted prior to the approval of foreign flight simulators.

2.3 Recognition of foreign flight simulators

- 2.3.1 The International Civil Aviation Organization (ICAO) Manual of Criteria for the Qualification of Flight Simulators (MCQFS) Document 9625-AN/938 establishes an international standard for aeroplane flight simulators. MCQFS was intended to provide the means for National Aviation Authorities of other Contracting States to accept the qualifications granted by the State that conducted the initial and recurrent evaluation of an aeroplane flight simulator, without repetitive evaluations, when considering approval for the use of that aeroplane flight simulator by applicants from their own State.

- 2.3.2 Australia's aeroplane flight simulator standards (detailed in the Part 60 MOS) are consistent with ICAO's MCQFS. CASA should recognise aeroplane and helicopter flight simulator qualifications granted by other States when their:
- flight simulator standards are consistent with the Part 60 MOS
 - National Aviation Authority has an acceptable level of oversight of the operation of the flight simulator.
- 2.3.3 CASA currently recognises Qualification Certificates issued by recognised foreign states as defined in regulation 61.010.
- 2.3.4 If an applicant wishes to use a flight simulator that is not qualified by one of the recognised foreign states, then CASA may require initial and recurrent evaluations of that flight simulator.
- 2.3.5 Applicants for Approval to use a Foreign Flight Simulator should apply to the local CASA Field Office in writing, including the information specified in Section 2.1.