

Democratic Socialist Republic of Sri Lanka



Civil Aviation Authority of Sri Lanka

Implementing Standards

(Issued under Sec. 120, Civil Aviation Act No. 14 of 2010)

Title :Flight Simulator Approvals & Qualification

Reference No. : CA-IS-2012-OPS-003

S.N. : 010

Date : 02nd October 2012

Pursuant to Sec. 120 of the Civil Aviation Act No.14 of 2010, Director General of Civil Aviation shall have the power to issue, whenever he considers it necessary or appropriate to do so, such Implementing Standards for the purpose of giving effect to any of the provisions of the Civil Aviation Act, any regulations or rules made thereunder including the Articles of the Convention on International Civil Aviation which are specified in the Schedule to the Act.

Accordingly, the undersigned being the Director General of Civil Aviation do hereby issue the Implementing Standards as mentioned in the Attachment hereto (Ref: CA-IS-2012-OPS-003-Att-01], for the purpose of giving effect to the provisions in the aforementioned Act and Standards & Procedures described under Article 37 of the Convention, which are specified in the Attachment.

These Implementing Standards shall come into force with immediate effect and remain in force unless revoked.

Attention is also drawn to sec. 103 of the Act , which states inter alia that failure to comply with Implementing Standard is an offence.

H.M.C. Nimalsiri
Director General of Civil Aviation and
Chief Executive Officer

Civil Aviation Authority of Sri Lanka
04, Hunupitiya Road
Colombo 02.

Enclosure: Attachment No. CA-IS-2012-OPS-003-Att-01

Implementing Standards

Flight Simulator Approvals & Qualification

1. REFERENCES

- Section 66 of Civil Aviation Act No. 14 of 2010
- ASN 47
- ICAO DOC. 9652
- JAR FSTD 1A
- EASA - CS FSTD (A) –July 2012
- Operations Inspector Handbook SLCAP 4200

2. PURPOSE

CAASL requires that persons proposing to use a qualified flight simulator in training, testing or checking program must apply to CAASL for approval to use the flight simulator. In considering such an application, CAA is required by the regulations to consider the differences between the aircraft and flight simulator, and the person's operating and training competencies and suitability for CAASL approved training programmes. The purpose of this Implementing Standards 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 CAASL. It also provides advice on the application method and information requirements for foreign flight simulator approval.

3. STATUS OF THIS IMPLEMENTING STANDARD

- 3.1. This is the first issue of this Implementing Standards, incorporating the requirements for qualification and validation of a FSTD.

4. FLIGHT SIMULATOR APPROVALS

4.1. Application.

Applicants for Flight Simulator Approvals should apply to the Director General Civil Aviation Authority in the application provided (Appendix A)

- 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 which 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 (if relevant);
- f) proposals for differences training (if relevant);
- g) Flight Simulator Operator;
- h) Flight Simulator Identification details;
- i) Flight Simulator Qualification Level; or the level sought
- j) a copy of the Flight Simulator Qualification Certificate (if available)

Notes:

1. The Application may reference material previously supplied to, or issued by, CAA during the process of Training and Checking Organisation approval, Training Syllabus approval, Flight Simulator Qualification, and/or Operator approval.

- 4.2. The applicant should also state that the flight simulator is suitable for use in its training program, and has been assessed for:
- a) available visual and navigational databases; and
 - b) Instructor training requirements for use of the flight simulator's Instructor's Station.

5. RECOGNITION OF FOREIGN FLIGHT SIMULATORS

- 5.1. 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 the National Aviation Authorities of other States to accept the qualifications granted by the State which conducted the initial and recurrent evaluation of an aeroplane flight simulator, when considering approval for the use of that aeroplane flight simulator by applicants from their own State.
- 5.2. Sri Lanka's aeroplane flight simulator standards (Flight Operations Inspector Handbook) are consistent with MCQFS. CAA should recognise aeroplane and helicopter flight simulator qualifications granted by other States where their:
- a) Flight Simulator Standards are consistent with FOIH, and
 - b) National Aviation Authority has an acceptable level of oversight of the operation of the flight simulator.
- 5.3. If an applicant wishes to use a flight simulator that is qualified by one of the above listed States, then CAA requires evaluations of that flight simulator as per the requirements of the SLCAP4200. to ascertain that approved CAASL training programmes can be conducted in that particular simulator and also the differences if any of the operators fleet with the simulator.
- 5.4. When an application from an Operator for use of a Simulator in another State is received the CAA will assign a suitably qualified inspector to evaluate the Simulator with a team from the operator to assess the suitability of the Simulator by functional and subjective tests.(Refer 7.5)

6. FLIGHT SIMULATOR QUALIFICATION BY CAASL

6.1. INTRODUCTION

Flight Simulators may be subject to:

- a) Operator Testing;
- b) Initial Evaluation and qualification
- c) Recurrent Evaluation; and
- d) Special Evaluation.

- 6.2. Operator Testing is conducted by the Flight Simulator Operator to ensure that the flight simulator complies with their specifications etc. Operator Testing normally involves conducting tests in the Acceptance Test Manual (ATM) and the Qualification Test Guide (QTG). The Flight Simulator Operator conducts this testing to ensure that the flight simulator meets the required standard, specific training requirements, and is ready for evaluation by CAA.



