

PART 60: FLIGHT SIMULATOR TRAINING DEVICES

List of regulations

PART 60: FLIGHT SIMULATOR TRAINING DEVICES 1

SUBPART 1: GENERAL 1

60.01.1 Applicability 2

60.01.2 Qualification levels 2

60.01.3 Application for flight simulator qualification or flight training device qualification 3

60.01.4 Initial evaluation and qualification 3

60.01.5 Issue of flight simulator qualification certificate or flight training device qualification certificate 3

60.01.6 Period of validity of flight simulator qualification or flight training device qualification 4

60.01.7 Recurrent evaluation of qualified flight simulator or qualified flight training device 4

60.01.8 Variation, cancellation or suspension of flight simulator qualification or flight training device qualification 4

60.01.9 Flight simulator or flight training device approvals..... 4

60.01.10 Quality system 5

60.01.11 On-going fidelity requirements..... 5

60.01.12 Modification of qualified flight simulator or qualified flight training devices 6

60.01.13 Change in qualification level of qualified flight simulator or qualified flight training device 6

60.01.14 Deactivation, relocation or reactivation of qualified flight simulator or qualified flight training device..... 6

60.01.15 Change of operator of qualified flight simulator or qualified flight training device..... 7

60.01.16 Evaluation teams..... 7

60.01.17 Records 7

60.02.1 Basic instrument training devices 8

SUBPART 1: GENERAL

Applicability

60.01.1

- (1) This Part applies to flight simulator training devices that may be used by a person to gain aeronautical experience and credits towards obtaining a pilot licence or rating.
- (2) The NAM-FSTD A and NAM-FSTD H as amended applies to those persons, organisations or enterprises Flight Simulation Training Devices (FSTD) operators or, in the case of Basic Instrument Training Devices (BITDs) manufacturers, seeking initial qualification of FSTDs.
- (3) The NAM-FSTD A and NAM-FSTD H will apply to all Flight Simulation Training Devices located and operated within Namibia by any local or foreign operator.
- (4) No Certificate of Qualification for a FSTD issued by an ICAO Contracting State or any other Civil Aviation Authority to a FSTD located within Namibia will be acceptable to the Authority unless the FSTD has been granted a Qualification Level by the Authority in terms of these regulations and the NAM-FSTD A or NAM-FSTD H.
- (5) The version of the NAM-FSTD Aeroplanes or Helicopter agreed by the Authority and the Operator for the issue of the initial qualification shall be applicable for future recurrent qualifications of the FSTD unless the FSTD is re-categorised.
- (6) No Certificate of Qualification for a FSTD issued by an ICAO Contracting State or any other Civil Aviation Authority to a FSTD located within Namibia will be acceptable for the training of Namibian Aircrew.
- (7) For imported FSTD's the version of the initial Qualification agreed to by the Authority shall be applicable to future recurrent qualifications of the FSTD unless the FSTD is re-categorised
- (8) FSTD users must gain approval to use the FSTD as part of their approved training programmes despite the fact the FSTD has been previously qualified.

Qualification levels

60.01.2

- (1) A flight simulator qualification in terms of NAM-FSTD A or NAM-FSTD H will be allocated the following level of qualification as applicable:
 - (aa) Level 1/A
 - (ba) Level 2/B
 - (ca) Level 3/C
 - (da) Level 4/D
- (2) A flight training device qualified in terms of NAM-FSTD A and NAM-FSTD H will be allocated the following level of qualification as applicable:
 - (aa) BITD
 - (ba) FTD I
 - (ca) FTD II
 - (da) FNPT I
 - (ea) FNPT II
 - (fa) FNPT II MCC
 - (ga) FNPT III MCC
- (3) The training credits applicable to each level of qualification are contained in document NAM-CATS 60.

Application for flight simulator qualification or flight training device qualification

60.01.3

- (1) An application for a qualification of a flight simulator or flight training device shall be made to the Executive Director in a form and manner as prescribed by the Executive Director in Document NAM-FSTD A or NAM-FSTD H and shall be accompanied by the appropriate fee as prescribed in Part 187.
- (2) An application must include:
 - (a) a Qualification test Guide (QTG) for the simulator or device; and
 - (b) a document describing the quality system that the operator proposes to use to satisfy regulation 60.01.9.

Initial evaluation and qualification

60.01.4

- (1) Where the Authority receives an application for the qualification of a flight simulator or flight training device, the Authority must conduct an evaluation (to be known as an *initial evaluation*) of the simulator or device, including consideration of:
 - (a) any inspection or trial of the simulator or device; and
 - (b) the data provided in the Qualification test Guide (QTG)
 - (c) information available from any test conducted during the initial evaluation.
- (2) If, after the initial evaluation, the Authority is satisfied that:
 - (a) the operator's quality system will be suitable for the simulator or device; and
 - (b) the simulator or device meets a qualification level;
- (3) The Authority must qualify the simulator or device at the qualification level.
- (4) The Authority may qualify a simulator or device that will simulate a new type of aircraft for which fully validated aircraft data is not available at an interim qualification level that is based on partially validated aircraft data.
- (5) An interim qualification level applies for the period agreed between the Authority and the operator of the simulator or device.
- (6) Where the Authority qualifies a simulator or device, it must at the same time approve the Qualification test Guide (QTG) for the simulator or device.

Issue of flight simulator qualification certificate or flight training device qualification certificate

60.01.5

- (1) The Authority must issue a flight simulator qualification certificate to the operator of a flight simulator, or a flight training device qualification certificate to the operator of a flight training device, if the Authority qualifies the simulator or device.
- (2) The certificate must include the name of the operator and:
 - (a) include information identifying the simulator or device; and
 - (b) specify the aircraft that is simulated by the simulator or device; and
 - (c) specify the qualification level for the simulator or device.

Period of validity of flight simulator qualification or flight training device qualification

60.01.6

- (1) A flight simulator qualification or flight training device qualification is in force for:
 - (a) 12 months from the date of issue of the flight simulator qualification certificate or flight training device qualification certificate; or
 - (b) if a shorter period is specified in the certificate — that period.
- (2) However, a qualification ceases to be in force if:
 - (a) it is cancelled by the Authority under regulation 60.01.8; or
 - (b) there is a change of operator of the simulator or device; or
 - (c) the simulator or device is deactivated or relocated.
- (3) A qualification is not in force for the period of any suspension imposed by the Authority under regulation 60.01.8.

Recurrent evaluation of qualified flight simulator or qualified flight training device

60.01.7

- (1) The operator of a qualified flight simulator or qualified flight training device may, within 60 days before the expiry of the flight simulator qualification or flight training device qualification, ask the Authority, in writing, to conduct an evaluation (*a re current evaluation*) of the simulator or device.
- (2) Subject to sub regulation (3), regulations 60.01.4 and 60.01.5 apply in respect of a recurrent evaluation in the same way as they apply to the initial evaluation.
- (3) During a recurrent evaluation, a qualified flight simulator or qualified flight training device must be assessed against:
 - (a) the qualification level at which the simulator or device was qualified at the initial qualification or accreditation of the simulator or device in Namibia; or
 - (b) if the Authority has changed the qualification level since the initial evaluation — the qualification level as changed.

Variation, cancellation or suspension of flight simulator qualification or flight training device qualification

60.01.8

- (1) The Authority may, by notice in writing to the operator of a qualified flight simulator or qualified flight training device, vary, cancel or suspend the qualification of the simulator or device if:
 - (a) the simulator or device no longer meets the qualification level specified in its qualification certificate; or
 - (b) the operator has failed to comply with a requirement of this Part in relation to the simulator or device.
- (2) If an operator receives a notice of variation or cancellation under sub regulation (1), the operator must return the qualification certificate to the Authority within 14 days after receiving the notice.
- (3) If the Authority varies a qualification, the Authority must reissue the qualification certificate specifying the qualification as varied.

Flight simulator or flight training device approvals

60.01.9

- (1) A person who proposes to be the user of a qualified flight simulator or qualified flight training device must apply to the Authority, in writing, for approval to do so.
- (2) In considering whether to grant an approval, the Authority must take into account:
 - (a) the differences between the characteristics of the flight simulator or flight training device and the characteristics of a specific type (or a specific make, model and series) of aircraft, whether or not the user operates such an aircraft; and
 - (b) the proposed user's operating and training competencies.
- (3) The Authority may also take into account any other matter that affects the way the simulator or device operates or may be used.
- (4) An approval:
 - (a) must be in writing;
 - (b) may be issued subject to conditions that are set out in the approval; and
 - (c) will be granted in terms of SA-CAA FSTD Training/Testing credits contained in SA-CATS 60.
- (5) An approval takes effect on the date of issue and continues in force unless the applicable flight simulator qualification or flight training device qualification ceases to be in force.
- (6) However, where the Authority is satisfied that any matter that was taken into account under sub regulation (2) or (3) has changed, the Authority may, by notice in writing to the user, vary, suspend or cancel the approval.

Quality system

60.01.10

- (1) The operator of a qualified flight simulator or qualified flight training device must establish and maintain a quality system that ensures the correct operation and maintenance of the simulator or device.
- (2) The quality system must cover at least the following matters:
 - (a) quality policy;
 - (b) management responsibility;
 - (c) document control;
 - (d) resource allocation;
 - (e) quality procedures;
 - (f) internal audit.

On-going fidelity requirements

60.01.11

- (1) The operator of a qualified flight simulator or qualified flight training device must, progressively during the 12 months after the issue of the applicable flight simulator qualification certificate or flight training device qualification certificate, perform:
 - (a) all validation tests mentioned in the master Quality Test Guide for the simulator or device; and
 - (b) all functions and subjective tests within the current (and any planned) training program (or an equivalent sample approved by the Authority).
- (2) The operator must establish a configuration management system to ensure the continued integrity of the equipment and software of the simulator or device.
- (3) The operator must maintain an on-going modification program to ensure that the equipment, software and performance of the simulator or device accurately simulate the aircraft specified in the certificate.

- (4) The operator must notify each user of the simulator or device, before its use, if the simulator or device is unsuitable for any training, testing or checking sequence specified in the certificate.

Modification of qualified flight simulator or qualified flight training devices

60.01.12

- (1) The operator of a qualified flight simulator or qualified flight training device must notify the Authority, in writing, if it proposes to modify the equipment or software of the simulator or device in a way that will change the characteristics of the simulator or device.
- (2) If the Authority receives a notice under sub regulation (1), the Authority may conduct an evaluation (a *special evaluation*) of the simulator or device as it is proposed to be modified.
- (3) Subject to sub-regulations (4) and (5), regulations 60.01.4 and 60.01.5 apply in respect of a special evaluation in the same way as they apply to the initial evaluation.
- (4) If the Authority decides not to conduct a special evaluation:
 - (a) the operator may make the proposed modification of the simulator or device; and
 - (b) the flight simulator or flight training device qualification continues to be in force.
- (5) During a special evaluation, a simulator or device must be assessed against:
 - (a) the qualification level at which the simulator or device was qualified at the initial qualification or accreditation of the simulator or device in Namibia; or
 - (b) if the Authority has changed the qualification level since the initial evaluation — the qualification level as changed.
- (6) This regulation does not apply to the modification of a device for the purpose of a change in the qualification level of the simulator or device.

Change in qualification level of qualified flight simulator or qualified flight training device

60.01.13

- (1) The operator of a qualified flight simulator or qualified flight training device may ask the Authority, in writing, to change the qualification level of the simulator or device.
- (2) If the Authority receives a request under sub regulation (1), it must conduct a special evaluation of the simulator or device, applying the standards in the NAM-FSTD A or NAM-FSTD H.
- (3) If the Authority changes the qualification level, it must:
 - (a) approve any resulting amendments to the master QTG of the simulator or device; and
 - (b) issue a revised flight simulator qualification certificate or flight training device qualification certificate.

Deactivation, relocation or reactivation of qualified flight simulator or qualified flight training device

60.01.14

- (1) The operator of a qualified flight simulator or qualified flight training device must notify the Authority, in writing, if the simulator or device is deactivated.
- (2) An operator must notify the Authority, in writing, before the operator reactivates or relocates a simulator or device, and the Authority may then conduct a special evaluation of the simulator or device.
- (3) During a special evaluation, a flight simulator or flight training device must be assessed against:

- (a) the qualification level at which the simulator or device was qualified at the initial qualification or accreditation of the simulator or device in Namibia; or
- (b) if the Authority has changed the qualification level since the initial evaluation — the qualification level as changed.

Change of operator of qualified flight simulator or qualified flight training device

60.01.15

- (1) The operator of a qualified flight simulator or qualified flight training device must notify the Authority, in writing, of any proposed change of operator of the simulator or device.
- (2) If there is a change of operator of a simulator or device:
 - (a) the former operator must give to the new operator the records mentioned in regulation 60.01.17 that apply to the simulator or device; and
 - (b) the new operator may apply to the Authority, in writing, for qualification of the simulator or device.
- (3) An application under paragraph (2) (b) must be accompanied by a plan of transfer setting out in detail how the new operator will comply with the requirements of this Subpart.
- (4) Where the Authority is satisfied that the new operator is able to comply with the requirements of this Subpart, the Authority must:
 - (a) approve the plan; and
 - (b) issue a new flight simulator qualification certificate or flight training device qualification certificate.

Evaluation teams

60.01.16

The Authority may:

- (a) arrange for an evaluation mentioned in this Subpart to be conducted by an evaluation team; and
- (b) appoint a person to be an evaluation team leader, having regard to the skills, qualifications and experience necessary to undertake the evaluation.

Records

60.01.17

- (1) The operator of a qualified flight simulator or qualified flight training device must keep the following records relating to the simulator or device for at least 3 years after the simulator or device is decommissioned:
 - (a) the master Quality Test Guide;
 - (b) modification records; and
 - (c) quality system records.
- (2) The operator must also keep the results of each test carried out under sub regulation 60.01.11 (1) for the simulator or device for at least 3 years after the test.
- (3) If there is a change of operator of a simulator or device, the new operator must be given and must keep the records and test results relating to the simulator or device that were kept by the former operator.

SUBPART 2: BASIC INSTRUMENT TRAINING

Basic instrument training devices

60.02.1

This Subpart is reserved for future use.