**SUBPART FSTD.**  **SPECIFIC REQUIREMENT’s RELATED to the**

**QUALIFICATION of FLIGHT SIMULATION TRAINING DEVICES ( FSTD’s )**

**Section**  **I. General**

**ARA. FSTD. 100 Initial evaluation procedure**

***a )*** Upon receiving an application for an FSTD qualification certificate, the GDCA shall :

1 ) evaluate the FSTD submitted for initial evaluation or for upgrading against the applicable qualification basis ;

2 ) assess the FSTD in those areas that are essential to completing the flight crew member training, testing and checking process, as applicable ;

3 ) conduct objective, subjective and functions tests in accordance with the qualification basis and review the results of such tests to establish the Qualification Test Guide *( QTG ) ; and*

4 ) verify if the organization operating the FSTD is in compliance with the applicable requirements. This does not apply to the initial evaluation of Basic Instrument Training Devices *( BITD’s ) ;*

***b )*** The GDCA shall only approve the QTG after completion of the initial evaluation of the FSTD and when all discrepancies in the QTG have been addressed to the satisfaction of the GDCA. The QTG resulting from the initial evaluation procedure shall be the master QTG *( MQTG ),* which shall be the basis for the FSTD qualification and subsequent recurrent FSTD evaluations ;

***c )*** Qualification basis and special conditions :

1 ) the GDCA may prescribe special conditions for the FSTD qualification basis when the requirements of ORA. FSTD. 210 ( a ) are met and when it is demonstrated that the special conditions ensure an equivalent level of safety to that established in the applicable certification specification ;

2 ) when the GDCA has established special conditions for the qualification basis of an FSTD, it shall without undue delay notify the EASA thereof.

The notification shall be accompanied by a full description of the special conditions prescribed, and a safety assessment demonstrating that an equivalent level of safety to that established in the applicable Certification Specification is met.

**ARA. FSTD. 110 Issue of an FSTD qualification certificate**

***a )*** After completion of an evaluation of the FSTD and when satisfied that the FSTD meets the applicable qualification basis in accordance with ORA. FSTD. 210 and that the organization operating it meets the applicable requirements to maintain the qualification of the FSTD in accordance with ORA. FSTD. 100, the GDCA shall issue the FSTD qualification certificate of unlimited duration, using the form as established in *Appendix* ***IV*** to this Part.

**ARA. FSTD. 115 Interim FSTD qualification**

***a )*** In the case of the introduction of new aircraft programmes, when compliance with the requirements established in this Subpart for FSTD qualification is not possible, the GDCA may issue an interim FSTD qualification level ;

***b )*** For Full Flight Simulators ( FFS ) an interim qualification level shall only be granted at level A, B or C ;

***c )*** This interim qualification level shall be valid until a final qualification level can be issued and, in any case, shall *not exceed* ***3*** *years*.

**ARA. FSTD. 120 Continuation of an FSTD qualification**

***a )*** The GDCA shall continuously monitor the organization operating the FSTD to verify that :

1 ) the complete set of tests in the MQTG is rerun progressively over a ***12****-month period* ;

2 ) the results of recurrent evaluations continue to comply with the qualification standards and are dated and retained ; *and*

3 ) a configuration control system is in place to ensure the continued integrity of the hardware and software of the qualified FSTD.

***b )*** The GDCA shall conduct recurrent evaluations of the FSTD in accordance with the procedures detailed in ARA. FSTD. 100. These evaluations shall take place :

1 ) every year, in the case of a Full Flight Simulator *( FFS ),* Flight Training Device *( FTD )* or Flight and Navigation Procedures Trainer *( FNPT )*.

The start for each recurrent ***12****-month period* is the date of the initial qualification. The FSTD recurrent evaluation shall take place *within the* ***60***  *days prior to the end* of this 12-month recurrent evaluation period ;

2 ) *every* ***3*** *years*, in the case of a BITD.

**ARA. FSTD. 130 Changes**

***a )*** Upon receipt of an application for any changes to the FSTD qualification certificate, the GDCA shall comply with the applicable elements of the initial evaluation procedure requirements as described in ARA. FSTD. 100 *( a ) and ( b ) ;*

***b )*** The GDCA may complete a special evaluation following major changes or when an FSTD appears not to be performing at its initial qualification level ;

***c )*** The GDCA shall always conduct a special evaluation before granting a higher level of qualification to the FSTD.

**ARA. FSTD. 135 Finding’s and corrective actions – FSTD qualification certificate**

The GDCA shall limit, suspend or revoke, as applicable, an FSTD qualification certificate in accordance with ARA. GEN. 350 in, but not limited to, the following circumstances :

***a )*** obtaining the FSTD qualification certificate by falsification of submitted documentary evidence ;

***b )*** the organization operating the FSTD can no longer demonstrate that the FSTD complies with its qualification basis ; *or*

***c )*** the organization operating the FSTD no longer complies with the applicable requirements of Part - ORA.

**ARA. FSTD. 140 Record - keeping**

In addition to the records required in ARA. GEN. 220, the GDCA shall keep and update a list of the qualified FSTD’s under its supervision, the dates when evaluations are due and when such evaluations were carried out.

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