

CIVIL AVIATION AUTHORITY OF THE PHILIPPINES
Office of the Director General

MEMORANDUM CIRCULAR NO. 18-13, Series of 2013

TO : ALL CONCERNED

FROM : THE DIRECTOR GENERAL
CIVIL AVIATION AUTHORITY OF THE PHILIPPINES

SUBJECT : SUPPLEMENTAL REGULATION TO PCAR PART 2
CONCERNING THE USE SYNTHETIC FLIGHT TRAINER
(SFT) IN THE CONDUCT OF PILOT IR SKILL TEST

REFERENCE: Philippine Civil Aviation Regulation (PCAR) Part 2 ver. 2011.

SUPPLEMENTAL REGULATION TO PART 2 OF PCAR:

2.1.2 DEFINITIONS

(19) *Flight Simulation Training Device. Also known as Synthetic Flight Trainer. Anyone of the following three types of apparatus in which flight conditions are simulated on the ground:*

(i) *Flight Simulator. Provides an accurate representation of the flight deck of a particular aircraft type to the extent that the mechanical, electrical, electronic, etc. aircraft systems control functions, the normal environment of flight crew members, and the performance and flight characteristics of that type of aircraft are realistically simulated.*

(ii) *Flight Procedures Trainer. Provides a realistic flight deck environment, and simulates instrument responses, simple control functions of mechanical, electrical, electronic, etc. aircraft systems, and the performance and flight characteristics of aircraft of a particular class*

(iii) *Basic Instrument Flight Trainer. Equipped with appropriate instruments and simulates the flight deck environment of an aircraft in flight in instrument flight conditions*

(37) *Synthetic Flight Trainer. See Flight Simulation Training Device.*

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Aidas Romulo H-2-213
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Chief, Central Records
and Archives Division

"Rearing Up Soaring High"

“PCAR PART 2.2.6.2 USE OF SYNTHETIC FLIGHT TRAINERS

*The use of a synthetic flight trainer for performing training, testing and **checking** for which a flight crew member is to receive credit, shall be approved by the Authority, which shall ensure that the synthetic flight trainer is appropriate to the task.*

Note: See the Manual of Criteria for the Qualification of Flight Simulators (ICAO Doc 9625)

(a) **For the purpose of training**, the Flight Simulation Training Device (FSTD) or Synthetic Flight Trainer (SFT) shall have the same technology for the basic flight instruments (attitude indicator, airspeed, altimeter, and heading reference) as those of the aircraft used by the license holder.

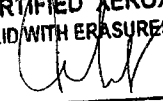
(1) Aircraft that have electronic/glass displays or standard manual instruments may be allowed to use SFT that have electronic/glass displays.

(b) **FOR THE PURPOSE OF TESTING, CHECKING OR SKILL TEST**, the SFT shall have the same instruments/technology for the basic flight instruments (attitude indicator, airspeed, altimeter, and heading reference) as those of the aircraft used by the license holder, and shall have a minimum of **120 degrees** horizontal and 40 degrees vertical field of view (FOV) for Private Pilot License (PPL) and Commercial Pilot License (CPL) for Instrument Rating (IR) while a minimum of **200 degrees** horizontal and 40 degrees vertical field of view (FOV) for Multi-Engine Pilot License (MPL) and Airline Transport Pilot (ATPL) to support the Instrument Flight Rules (IFR) of the said licenses.

(1) A license holder shall be evaluated / checked in an SFT with the features and configuration similar to a particular type of aircraft used by the said license holder.

(2) a license holder shall be evaluated / checked in an SFT for the purpose of additional rating of Instrument Rating (IR) only.

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EFFECTIVITY:

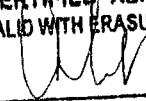
This Supplemental Procedure shall be added to the PCAR Part 2 ver. 2011 and shall take effect immediately after compliance with the requisite single publication and a copy filed with the U.P. Law Center – Office of the National Administrative Register.

So Ordered. Signed this 2nd day of February 2013, CAAP, Pasay City.



LT GEN WILLIAM K HOTCHKISS III AFP (Ret)

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