The Hashemite Kingdom of Jordan
Civil Aviation Regulatory Commission
Flight Operations Standards Directorate

المملكة الأردنيـة الهاشميـة
هيئـة تنظيـم الطيــران المدنــي
مديرية مقاييس العمليات الجوية

ADVISORY CIRCULAR	No. : AC-28-01-016
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A.   SUBJECT.

Flight Instructors (FIs)

B.   PURPOSE.

This Advisory Circular (AC) provides guidance for Air Operator Certificate (AOC) holders for Type Rating Instructor (TRI), Synthetic Flight Instructor (SFI) and Airplane Base Training Authorization.

C.   STATUS.

This is the first edition of AC - 28 - 01 - 016, dated 12 December 2017, and it will remain current until withdrawn or superseded.

D.   CONTENTS.

1.0   Type rating instructor (TRI).
2.0   Synthetic flight instructor (SFI).
3.0   Airplane base training authorization.

Appendix A - Base training profile

E.   REFERENCES.

This advisory circular should be read in conjunction with JCAR FCL 1 subpart - H instructor rating (Airplane).

Flight Instructors (FIs)

1.0   Type Rating Instructor (TRI).

1.1   Privileges. To carry out airplane and synthetic flight instruction for:

a.   The issue of a MPA type rating.

b.   The instruction required for multi- crew co-operation provided that he completed Multi-crew co-operation training course.

c.   The instruction required during the basic phase of training of the MPL (A) integrated training course provided he holds or has held a FI(A) or an IRI(A) rating and has successfully completed the MPL (A) Instructors Training course.

d.   The instruction required during intermediate and advanced phases of training of the MPL (A) integrated training course provided that he has successfully completed the MPL (A) Instructors Training course.

e.   Training and recurrent training required by JCAR OPS 1 for the flight crew including special approval provided that he is qualified for these approvals.

1.2   Pre-Requisite Requirements.

a.   Hold a valid JCAR ATPL.

b.   Hold a valid type rating on the applicable airplane type.

c.   Hold a valid type rating instructor rating on the applicable airplane type.

1.3   Operator Training Requirements.

a.   For ZFT type rating instructor rating course, applicant shall have completed pilot qualification on either pilot seat.

b.   For other than ZFT type rating instructor course (joining operator with type rating instructor rating), applicant shall complete at least:

(1)   Operator conversion training and checking program in accordance with operations manual part D.

(2)   1 flight simulator session of 4 hours (PF & PNF) from the right seat to include normal abnormal and emergency procedures.

      (3)   4 sectors line flying under supervision (LFUS) from the right seat on the duties of type rating instructor to the satisfaction of type rating instructor on the other pilot seat; and

      (4)   2 sectors line check from the right seat on the duties of type rating instructor to the satisfaction of type rating instructor on the other pilot seat.

    c.   Complete operator internal training program.

2.0 Synthetic Flight Instructor (SFI).

2.1 Privileges. To carry out synthetic flight instruction for:

    a.   The issue of type rating.

    b.   The multi-crew co-operation provided that he completed Multi-crew co-operation training course.

    c.   The basic phase of training of the MPL (A) integrated training course provided he holds or has held a FI (A) or an IRI (A) rating and has successfully completed the MPL (A) Instructors Training course.

    d.   Intermediate and advanced phases or training of the MPL (A) integrated training course provided he has successfully completed the MPL (A) Instructors Training course.

    e.   Training and recurrent training required by JCAR OPS 1 for the flight crew including special approval provided that he is qualified for these approvals.

2.2 Pre-Requisite Requirements.

    a.   Hold or have held JCAR ATPL.

    b.   Hold a valid type rating on the applicable airplane type.

    c.   Hold a valid synthetic flight instructor authorization on the applicable airplane type.

2.3 Operator Training Requirements.

    a.   For ZFT type rating instructor course, applicant shall have completed pilot qualification either pilot seat with the exception of line flying under supervision and line check.

b.   For other than ZFT type rating instructor course (joining operator with synthetic flight instructor authorization), applicant shall complete at least:

(1)   1 flight simulator session of 4 hours (PF & PNF) from the right seat to include normal abnormal, emergency procedures; and

(2)   1 flight simulator session of 2 hours line oriented flying training (LOFT) from the right seat on the duties of synthetic flight instructor to the satisfaction of type rating instructor/synthetic flight instructor.

c.   Complete operator internal training program.

3.0   Airplane Base Training Authorization.

3.1   Privileges. To carry out airplane base training in accordance with JCAR FCL 1 and JCAR OPS 1.

3.2   Pre-Requisite Requirements.

a.   Hold a valid JCAR ATPL.

b.   Hold a valid type rating on the applicable airplane type.

c.   Hold a valid type rating instructor rating on the applicable airplane type.

d.   Hold CARC/FOSD acceptance to operate as type rating instructor for the applicable operator.

e.   Has at least 500 hours on the applicable airplane type as a type rating instructor.

f.   Has completed satisfactory at least 2 proficiency checks with the applicable operator.

3.3   Operator Training Requirements.

a.   Complete a briefing on the contents of Appendix 1 - Base Training Profile conducted by type rating instructor holding a valid airplane base training authorization.

b.   Complete at least 6 takeoffs and landings on a flight simulator with ZFT approval from both seats on the duties of type rating instructor to the satisfaction of type rating instructor holding a valid airplane base training authorization on the other pilot seat; and

c. Complete at least 3 takeoffs and landings on the applicable airplane type from the left hand seat on the duties of type rating instructor to the satisfaction of type rating instructor holding a valid airplane base training authorization on the other pilot seat.

3.4   Re-authorization Requirement.

a. The period of validity of airplane base training authorization shall be 24 calendar months in addition to the remainder of the month of issue. If issued within the final three calendar months of validity of a previous airplane base training authorization, the period of validity shall extend from the date of issue until 24 calendar months from the expiry date of that previous airplane base training authorization.

b. For airplane base training re-authorization, the applicant shall within the last 12 months preceding the expiry date of the authorization:

(1) Conduct at least 1 airplane base training flight of at least 3 takeoffs and landings on the applicable airplane type, or

(2) Complete at least 3 takeoffs and landings on the applicable airplane type from the left hand seat on the duties of type rating instructor – airplane base training to the satisfaction of type rating instructor holding a valid airplane base training authorization on the other pilot seat

c. If the authorization has lapsed, the applicant shall meet authorization issuance requirements.

Capt. Haitham Misto
Chief Commissioner

Appendix A
Base Training Profile

1.   The operator shall establish a base training profile to include both ZFTT base training and actual airplane base training.

2.   The base training profile shall be in accordance with Airplane Flight Manual (AFM) and operator operations manuals. Base training profile must be acceptable to CARC.

3.   The operator shall define the base training proficiency criteria.

4.   **ZFTT Base Training.**

   a.   **ZFTT Base Training Objective.** The objective of ZFTT base training is intended to confirm the use of operator standards operating procedures (SOPs) as detailed in operations manual part A and B utilizing the basic circuit maneuvers in the course of preparation the trainees into line flying under supervision phase.

   b.   **ZFTT Base Training Applicability.** The ZFTT base training is applicable for:

      (1)   **ZFTT Type Rating Course.** A pilot, undertaking a zero flight time training (ZFTT) course shall complete six take-offs and landings in a flight simulator, qualified in accordance with the requirements applicable to synthetic training devices and user approved by the CARC, not later than 21 days after the completion of the skill test.

      (2)   **Airplane Base Training Authorization.** A type rating instructor under taken airplane base training authorization training shall complete at least 3 takeoffs and landings on a flight simulator with ZFT approval from both seats on the duties of type rating instructor to the satisfaction of type rating instructor holding a valid airplane base training authorization on the other pilot seat.

   c.   **ZFTT Base Training Authorization.** The ZFTT simulator session shall be conducted by a type rating instructor for airplanes (TRI(A)) occupying a pilot's seat.

   d.   **ZFTT Base Training Limitation.** The operator shall define at least - but not limited to the following ZFTT base training limitation:

      (1)   Maximum take off mass.
      (2)   Minimum equipment list.

(3)   Visibility and cloud base.
(4)   Wind speed and direction (H, T & X).
(5)   Wind shear.
(6)   Runway condition.

e.   **ZFTT Base Training Profile**. The operator shall define at least - but not limited to the following ZFTT base training profile:

(1)   Preparations subjects.

(2)   Pre flight briefing duration.

(3)   Briefing items.

(a)   Trainee preparation review.
(b)   Use of checklist.
(c)   Cockpit preparation.
(d)   Engine start.
(e)   Taxi out.
(f)   Take off.
(g)   Initial climb.
(h)   Circuit handling procedures.
(i)   Final approach and landing.
(j)   Flare and landing.
(k)   Standard landings.
(l)   Crosswind landings.
(m)   Taxi in.
(n)   Shut down.
(o)   Radio communications.

5.   **Actual Airplane Base Training.**

a.   **Actual Airplane Base Training Objective.** The objective of actual airplane base training is to confirm the transfer of knowledge from the FFS to the aircraft utilizing the basic circuit maneuvers that gives the trainee the opportunity to experience the real aircraft behavior.

b.   **Actual Airplane Base Training Applicability.** The actual airplane base training is applicable for:

(1)   **Operator Conversion Course.**

    (a)   Unless the type rating training program has been carried out in a Flight Simulator usable for zero flight-time (ZFT) conversion, the training should include at least 3 takeoffs and landings in the airplane.

    (b)   In the absence of ZFTT approval, airplane training shall be provided to complete the training requirements of a type rating course.

(2)   **Airplane Base Training Authorization.** A type rating instructor under taken airplane base training authorization training shall complete at least 3 takeoffs and landings on the applicable airplane type from the left hand seat on the duties of type rating instructor to the satisfaction of type rating instructor holding a valid airplane base training authorization on the other pilot seat.

c.   **Actual Airplane Base Training Authorization.** The actual airplane base training shall be conducted by a type rating instructor for airplanes (TRI (A)) holding a valid airplane base training authorization occupying the other pilot seat.

d.   **Actual Airplane Base Training Limitation.** The operator shall define at least - but not limited to the following actual airplane base training limitation:

(1)   Maximum take off mass.
(2)   Minimum equipment list.
(3)   Safety pilot qualification.
(4)   Number of trainee per instructor.
(5)   Visibility and cloud base.
(6)   Wind speed and direction (H, T & X).
(7)   Wind shear.
(8)   Runway condition.
(9)   Flight duration.
(10)   Engine failure simulation.
(11)   No night base training.
(12)   No carriage of passengers.
(13)   No abnormal and emergency procedure training.
(14)   No unauthorized maneuvers training.
(15)   No rejected take off training.

e. **Actual Airplane Base Training Profile.** The operator shall define at least - but not limited to the following actual airplane base training profile:

(1)   Preparations subjects.

(2)   Pre flight briefing duration.

(3)   Briefing items.

  (a)   Trainee preparation review.
  (b)   Safety pilot duties.
  (c)   Fuel minimum requirements.
  (d)   Weather requirements
  (e)   Alternate aerodrome.
  (f)   Dispatch consideration.
  (g)   Safety briefing.
  (h)   Use of checklist.
  (i)   External inspection.
  (j)   Cabin preparation
  (k)   Cockpit preparation.
  (l)   Engine start.
  (m)   Taxi out.
  (n)   Take off.
  (o)   Initial climb.
  (p)   Circuit handling procedures.
  (q)   Final approach and landing.
  (r)   Flare and landing.
  (s)   Standard landings.
  (t)   Crosswind landings.
  (u)   Touch & go procedures.
  (v)   Full stop landing.
  (w)   Taxi in.
  (x)   Shut down
  (y)   Instructor take-over on ground.
  (z)   Instructor take-over in flight.
  (aa)   Radio communications.
  (bb)   External lookout.
  (cc)   Fuel management.
  (dd)   Actions in event of emergency.