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|  | <b>TANZANIA CIVIL AVIATION AUTHORITY<br/>DIRECTORATE OF SAFETY REGULATION<br/>PERSONNEL LICENSING</b> | <b>Revision: 0<br/>Advisory<br/>Circular</b> |
| <b>TCAA- AC-SR-PEL031</b>                                                        | <b>Title: Procedure for Initial Type Rating</b>                                                       | <b>Page 1 of 2</b>                           |

## 1.0 PURPOSE

This Advisory Circular (AC) provides guidance to Approved Training Organizations (ATOs), Air Operators, and flight crew on the standards, procedures, and regulatory requirements related to Initial Type Rating Training for both aeroplanes and helicopters. The objective of this AC is to ensure a uniform and consistent application of the regulations governing the issuance, validation, and recognition of type ratings, in accordance with the Civil Aviation (Personnel Licensing) Regulations, 2017, and The Civil Aviation (Operation of Aircraft – Commercial Air Transport) Regulations, 2024.

## 2.0 APPLICABILITY

This guidance applies to initial type ratings for complex aircraft that require type-specific training, including multi-engine aeroplanes, turbine helicopters, and any aircraft determined by the Authority to require specialized training due to system complexity, handling characteristics, or operational considerations. It also provides clarity on the process for TCAA approval of training conducted by foreign ATOs intended for Tanzanian license holders

## 3.0 REFERENCES

- i. The Civil Aviation (Personnel Licensing) Regulations, 2017,
- ii. The Civil Aviation (Operation of Aircraft – Commercial Air Transport) Regulations, 2024.
- iii. ICAO Doc 9868 — PANS-TRG (Procedures for Air Navigation Services – Training)
- iv. ICAO Doc 9625 — Manual of Criteria for the Qualification of Flight Simulation Training Devices (FSTDs)
- v. Manufacturer’s Flight Crew Training Manuals (FCTM) -Bell 412 Flight Manual.

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#### 4.0 **REQUIREMENTS FOR INITIAL TYPE RATING TRAINING.**

This section outlines the eligibility criteria, training components, and testing requirements for applicants undergoing initial type rating training for aeroplanes and helicopters. These requirements are applicable to both single-pilot and multi-crew operations and align with the Civil Aviation (Personnel Licensing) Regulations, 2017 and the Civil Aviation (Operation of Aircraft – Commercial Air Transport) Regulations, 2024.

##### 5.1. **Eligibility**

Applicants must:

- i. Hold a valid CPL or ATPL with the appropriate category and class rating.
- ii. Must hold the appropriate category (airplane or helicopter) and class rating (e.g single-engine or multi-engine) on their license.
- iii. Must hold a valid Class 1 Medical Certificate as per licensing regulations
- iv. Hold a valid instrument rating for the aircraft category.
- v. Must have at least ICAO Level 4 English proficiency endorsed on the license
- vi. Meet the minimum flight experience requirements as defined by the regulatory

Requirements

##### 5.2. **Training Components**

###### a) **Theoretical Knowledge Instruction**

The applicant shall have demonstrated knowledge required for the safe operation of the applicable type of aircraft, relevant to the licensing requirements and piloting functions of the applicant.

Training must include but is not limited to:

- i. Aircraft systems, limitations, and performance
- ii. Flight planning and performance calculations
- iii. Normal, abnormal, and emergency procedures
- iv. Mass and balance

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- v. Use of autopilot, flight management systems (FMS), and navigation equipment
- vi. CRM and multi-crew coordination (if applicable)
- vii. Threat and Error Management (TEM)

**b) Practical Flight Training**

Must be conducted in a Full Flight Simulator (FFS) or aircraft of the same type, and includes:

- i. Normal procedures (taxi, take-off, cruise, approach, landing)
- ii. Emergency handling (engine failures, fires, electrical/hydraulic failures, etc.
- iii. Instrument flight procedures
- iv. Asymmetric flight (if multi-engine)
- v. Go-arounds, missed approaches, and rejected take-offs
- vi. Use of all onboard equipment relevant to the type
- vii. Threat and Error Management (TEM)
- viii. Application of CRM (if applicable)

**NOTE:** For Generic type training syllabus see **TCAA-AC-PEL032(Aeroplane) & TCAA-AC-PEL033(Helicopter)** found in **TCAA website:**

**c) Knowledge and Skill Test**

Knowledge test shall consist of at least 100 multiple choice questions and the results of the theoretical knowledge shall be at least 75% of correct answers. Such theoretical knowledge shall be documented and presented together with skill test for the issue of initial type rating.

The skill test shall be conducted by a designated examiner and includes:

- i. Oral examination on aircraft systems and regulations
- ii. Full flight skill test covering normal, abnormal and emergency operations
- iii. Completion of a flight test report

**5.0 APPROVED TRAINING ORGANIZATION (ATO) RESPONSIBILITIES**

- i. Ensure training syllabi are approved by the Authority.
- ii. Maintain accurate training records for each trainee.
- iii. Use only qualified instructors and examiners as per regulations.

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- iv. Ensure availability of training devices and simulators that meet regulatory requirements.
- v. Coordinate with the Authority for oversight and audit purposes.

## **6.0 OPERATOR RESPONSIBILITIES (Commercial Air Transport)**

- i. Ensure the initial type rating program of an Approved Training Organization is approved by TCAA before the training begins.
- ii. Ensure recurrent training and proficiency checks are conducted in accordance with the approved training program and the Civil Aviation Regulations (CARs).

## **7.0 COMPLIANCE AND ENFORCEMENT**

Non-compliance with the provisions of this Advisory Circular and the associated regulations may result in enforcement actions including suspension, revocation of approvals, or other penalties as stipulated under the fifth schedule of the Civil Aviation (Personnel Licensing) Regulations.



**Director Safety Regulation**