

## TECHNICAL AIRWORTHINESS ADVISORY CIRCULAR



### DIRECTORATE GENERAL TECHNICAL AIRWORTHINESS

### MALAYSIAN STATE TECHNICAL AIRWORTHINESS REGULATION (MSTAR)

### MSTAR 147 - AIRCRAFT MAINTENANCE TRAINING ORGANISATIONS AND MSTAR 66 - STATE AIRCRAFT MAINTENANCE LICENSING DURING TRANSITION PERIOD

#### REFERENCE

- A. TAAC-G-001 Revision: 0 - Transition of An Airworthiness Management System from Technical Airworthiness Management Manual (TAMM) To Malaysian State Technical Airworthiness Manual (MSTAM) dated 31 May 2024.
- B. Malaysian State Technical Airworthiness Regulation 66 (MSTAR 66) Rev. 0.

#### INTRODUCTION

1. The implementation of the policy and regulations from Technical Airworthiness Management Manual (TAMM) to Malaysian State Technical Airworthiness Manual (MSTAM) has been issued by DGTA as per Reference A. Phase 1 (transitional period) from TAMM to MSTAM is from 01 June 2024 until 31 May 2025. While Phase 2 (full implementation) will be started from 01 June 2025.
2. To fulfil the plan, it is essential for DGTA to detail the requirements and provision involved in MSTAR 147 (Aircraft Maintenance Training Organisation) and MSTAR 66 (State Aircraft Maintenance Licensing) for better implementation.

#### PURPOSE

3. The purpose of this TAAC is to provide information and requirements related to MSTAR 147 and MSTAR 66 to initiate the transition and implementation phase as planned by DGTA for State Aircraft Operators (SAOs) and Commercial Organisations.

## **APPLICABILITY**

4. This TAAC applies to:
  - a. SAO/Commercial Organisations that hold AMTO approval.
  - b. SAO/Commercial Organisations that are responsible for SAML application.
  - c. Current SAML holders.
  - d. New applicants applying for AMTO certification from SAO/Commercial Organisations.
  - e. New applicants applying for SAML from SAO/Commercial Organisations.

## **EFFECTIVITY**

5. The instructions and means for compliance with the requirements detailed in this circular are effective from the date of this TAAC. This TAAC and related MSTAR can be accessed through the DGTA portal.
6. The exemption privileges granted for SAML applications as defined in paragraph eleven (11) are valid for three (3) years from the effective date of issue TAAC-T-004, and will expire on 30 June 2027.

## **AIRCRAFT MAINTENANCE TRAINING ORGANISATION (AMTO) REQUIREMENT**

7. **New Application**. Any organisations that apply for a new AMTO are required to fulfil the requirements in MSTAR 147 as per Reference A.
8. **Current Holder**:
  - a. All audits will be treated as Surveillance Audit for SAOs and Commercial AMTO during the transitional period by using an Audit Checklist based on TAMM PU2103 Vol 3.
  - b. SAOs and Commercial AMTO are required to submit new applications following MSTAR 147 to DGTA, 6 months before the full implementation date (01 June 2025). Related documents such as Maintenance Training Organisation Exposition (MTOE), Training Instruction Manual (TIM) and Curriculum should be reviewed accordingly before the application.

## **PERSONNEL LICENSING REQUIREMENT**

9. With referred to Reference B, all State Aircraft Operators (SAOs) and Commercial Company holding Approval Organisation Certificate shall ensure all technical personnel involving aircraft maintenance:

- a. Completed and passed the basic knowledge training; and
- b. Pass the basic examination standards on the relevant modules for the licensing category from any recognised Airworthiness Authority to qualify for certificate privileges; and
- c. Attended and passed aircraft type rating training from any AMTO; and
- d. Record the working experience on maintenance activities in the Schedule of Experience's (SOE's) personnel logbook and shall be in accordance with the format and instruction defined in MSTAR 66 as per Reference B.

10. SAML's validity is unlimited, provided that the holder remains in the same AMO and complies with the requirements in MSTAR 66. This condition applies to all SAML holders (prior to BoSTA series 2/23).

## **EXEMPTION PROVISIO**

11. Holders of an Authorised Personnel Certificate issued under the Internal Maintenance Authority (IMA) with sufficient work experience as specified in this TAAC, may request a waiver of the basic examination standard and be awarded a SAML. This proviso will expire within the next ten (10) years after the application is approved by the DGTA. Applicants may apply for a new waiver after the expiration date.

12. Specific requirements for AMO personnel who hold an Authorised Personnel Certificate with qualifications that do not meet the requirements of MSTAR 66 - SAML category are as follows:

a. **SAML Category A - Aircraft Maintenance Mechanics**

- (1) Hold a diploma in a technical or engineering field without attending aviation induction training, and;
- (2) To demonstrate one (1) year of recent maintenance experience on any aircraft, and;

(3) To get exemption from DGTA for Basic Knowledge Requirement (subject to compliance with Level 1 and Level 2 course type training)

b. **SAML Category B - Aircraft Maintenance Technician**

(1) Minimum five (5) years of maintenance experience in aviation industries with the provision of evidence of employment letter or appointment letter, and;

(2) Compliance with paragraph 12.b.(1), the applicant must demonstrate at least three (3) years of recent maintenance experiences and complete type training on aircraft type rating for the initial aircraft maintenance license requested. Applicants need to submit proof of appointment letter or certificate of authorisation, or any document that defines the above requirements, and;

(3) Recent work experience on aircraft type rating with a record of 45 days or 130 total hours in cumulative maintenance duties conducted within six (6) months prior to the date of application. Maintenance activities considered relevant to maintenance experience are servicing, ground handling, inspection, operational and functional testing, troubleshooting, repair, modification, component replacement.

(4) Any applicant who does not comply with the requirements in paragraph 12.b.(2) or 12.b.(3) or both requirements, they must attend and pass a refresher course at any approved training organisation on the aircraft type rating for which they intend to apply within six (6) months prior to application.

c. **SAML Category C - Aircraft Maintenance Supervisor**

(1) Minimum ten (10) years of maintenance experience in aviation industries with the provision of evidence of employment letter or appointment letter, and;

(2) Compliance with paragraph 12.c.(1), the applicant must demonstrate at least three (3) years of recent maintenance experiences and complete type training on aircraft type rating for the initial aircraft maintenance license requested. Applicants need to submit proof of appointment letter or certificate of authorisation, or any document that defines the above requirements, and;

(3) Recent work experience on aircraft type rating with a record of 45 days or 130 total hours in cumulative maintenance duties conducted within six (6) months prior to the date of application. Maintenance activities considered relevant to maintenance experience are servicing, ground handling, inspection, operational and functional testing, troubleshooting, repair, modification, component replacement, supervision, and issuing an aircraft Certificate of Release to Service (CRS).

(4) Any applicant who does not comply with the requirements in paragraph 12.c.(2) or 12.c.(3) or both requirements, they must attend and pass a refresher course at any approved training organisation on the aircraft type rating for which they intend to apply within six (6) months prior to application.

d. **SAML Category LAE - Licence Aviation Engineer**

(1) For the LAE Category, subject to working as Aviation Engineers must submit evidence of at least three (3) years of experience in the maintenance/aviation management environment of state-registered aircraft in the form of a letter of confirmation from their employer and complete type training on aircraft type rating for the initial aircraft maintenance license requested, and;

(2) At least 90 days of technical management experience under his authority or aircraft maintenance management, or a combination of both, within six (6) months immediately preceding the date of application for an aircraft maintenance license.

(3) If the applicant does not comply with the requirements in paragraph 12.d.(2), they must attend and pass a refresher course at any approved training organisation on the aircraft type rating for which they intend to apply within six (6) months prior to application.

### **CANCELLATION OF INSTRUCTION**

13. This TAAC will supersede all instructions defined in TAAC-T-003 Revision: 1<sup>st</sup> Issue dated 19 March 2021 effective from the date signed of this instruction.

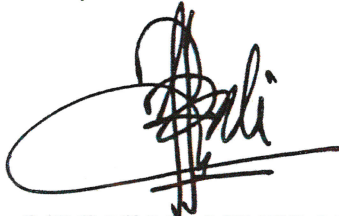
### **FACILITATION**

14. Organisational Approval (OA) who seek for the MSTAR 147 compliance should facilitate DGTA audit team requirement throughout the audit.

## **REPORTING / RECORDING ACTIONS**

15. **Reports Required.** There is no mandatory reporting requirement on receipt of this TAAC.
16. **Recording Action.** A copy of this TAAC is to be retained in the applicable document management system records in accordance with applicable internal procedures.
17. **Point Of Contact.** The DGTA point of contact for this TAAC is Staff Officer 1 Aviation Technical Training Regulatory (ATTR) of DGTA through email [dgta@mod.gov.my](mailto:dgta@mod.gov.my).

24 June 2024

A handwritten signature in black ink, appearing to read 'S. Ali', with a large, sweeping underline that extends to the left and then underlines the signature.

**DIRECTOR GENERAL  
TECHNICAL AIRWORTHINESS AUTHORITY**