



ESWATINI CIVIL AVIATION AUTHORITY

Advisory Circular

CAA-AC-AWS014A

April 2021

MAJOR MODIFICATIONS AND REPAIRS

1.0 PURPOSE

This Advisory Circular (AC) is issued to provide guidance to operators by setting acceptable means for ensuring that modifications or repairs to aircraft comply with the requirements of the applicable Regulations.

2.0 REFERENCE

2.1 Regulation 57 of the Civil Aviation (Air Operator Certification and Administration) Regulations.

2.2 Regulation 65 of the Civil Aviation (Air Operator Certification and Administration) Regulations.

3.0 GUIDANCE AND PROCEDURE

3.1 General Information:

3.1.1 This AC applies to all types and classes of aircraft for which a Type Certificate or equivalent document has been issued, and it includes all associated systems and components of the aircraft such as engines, propellers and equipment.

3.1.2 Third Schedule of the Civil Aviation (Airworthiness) Regulations requires an applicant for a major modification or repair to make a formal request to the Authority on the appropriate form including, but not limited to, the following information:

- a) All supporting data from the State of Design;
- b) Reason for the modification – briefly state the reason;
- c) Detailed description of the proposed modification;
- d) A master drawing list detailing the individual drawings and specifications which define the modification;

- e) Drawings and instructions necessary for the installation of the modification;
- f) Submission of approved Maintenance Schedule amendment;
- g) Testing procedures or methods to meet certification and operating rules, such as flammability, carbon monoxide, and noise requirements;
- h) Test procedures, to ensure that they include all tests necessary to substantiate that the modification meets applicable certification requirements and are appropriate to the modification;
- i) Flight test requirements: Performance and handling test requirements/flight test of radios; and
- j) Any other factors affecting safety or airworthiness.

3.2 The Request for Major Modification and Repair Data Approval, Form: AC-AWS 014 and the attached documents shall be evaluated by the Authority and upon successful completion the document shall be signed for approval. One copy of the approved Form will be returned to the applicant allowing them to proceed with the proposed modification or repair

3.3 Upon completion of the modification or repair, details of the work carried out must be entered on the Major Repair and Modification Record, Form: AC-AWS014A, which will be part of the operators records and shall be made readily available for inspection by the Authority when required and a copy shall be submitted to the Authority.

**Approved by Director General
Civil Aviation Authority**