



Advisory Circular

CAA-AC-AWS014C

May 2018

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 69 and 70 of the Civil Aviation (Air Operator Certification and Administration) Regulations, 2018.

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 Regulation 42(5) of the Civil Aviation (Airworthiness) Regulations, 2018 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-AWS014, and the attached documents shall be evaluated by the Authority and upon successful completion the document shall be signed for acceptance. One copy of the accepted 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



Kenya Civil Aviation Authority

17. Additional sheets attached NO YES Number of additional sheets _____

In making this application the applicability of items on this table has been assessed and appropriately addressed.

18. Detailed Description:
19. Instructions Necessary For Installation:
20. Stress Analysis:
21. Power Supplies:
22. Cooling Requirements:
23. Aerial Position:
24. Fuses:
25. Component Listing:
26. Equipment Lighting:
27. Effects on other System:
28. Interface:
29. Crew Notices/Placards:
30. Modification Procedure:
31. Compatibility With Other Mods/Repairs:
32. The Maintenance Schedule is affected: Yes,
33. Tests:
34. Flight Tests:
35. Other Details:

The following are instructions for completing the application Form. The numbers correspond to the numbers on the form:

1. Enter the company Name and Address
2. Enter the company Approval Number or Certificate Number

3. Tick appropriate box
4. Record the engineering order number.
5. Record the aircraft type.
6. Enter aircraft registration number.
7. Enter the reason for the Modification or repair.
8. Provide a detailed description of the repair or Mod.
9. Give the Master drawing reference.
10. List all relevant controlling drawing.
11. Indicate the effect on the Flight Manual.
12. Indicate the State of design which has provided approval for the design change or repair, such as FAA, JAA etc.
13. List the other manuals that are affected, and may required supplements or amendments, and indicate when these changes are to be implemented.
14. Indicate that Page 2. is properly addressed.
15. Designated company representative shall record name, sign and date.
16. For use by Authority only.
17. Number of sheets used.
18. Items 18-35 have been filled in as an example to indicate an acceptable method when a submission is made to the Authority. Each operator must address each item to indicate that all the listed factors have been considered as a minimum, and are included as appropriate.

FORM: AC-AWS0014A

May 2018

MAJOR REPAIR AND MODIFICATION RECORD (Airframe, Engine, Propeller or Appliance)					
Print or type all entries.					
1. Aircraft	Make			Model	
	Serial Number			Nationality and Registration Mark	
2. Owner	Name (As shown on registration certificate)			Address (As shown on registration certificate)	
Initial Acceptance Number & Date Issued;					
3. Unit Identification				4. Type	
Unit	Make	Model	Serial Number	Repair	Modification
Airframe					
Engine					
Propeller					
Appliance	Type				
	Manufacture				
5. Conformity Statement					
A. Organisation Name and Address		B. Kind of License/Organisation		C. Certificate/License Number	
		<input type="checkbox"/> Approved Maintenance Organisation <input type="checkbox"/> Manufacturer		(For an AMO include the appropriate ratings issued for the major repair or modification)	
D. I certify that the repair and/or modification made to the unit(s) identified in item 3 above and described on the reverse or attachments hereto have been made in accordance with the requirements of the Civil Aviation (Airworthiness) Regulations and that the information furnished herein is true and correct to the best of my knowledge.					
Date			Signature of Authorised Individual		
6. Approval for Return To Service					
Pursuant to the authority given persons specified below, the unit(s) identified in item 4 was inspected in the manner prescribed by the Kenya Civil Aviation Authority and is <input type="checkbox"/> ACCEPTED <input type="checkbox"/> REJECTED					
BY	<input type="checkbox"/> KCAA Inspector	<input type="checkbox"/> Inspection Authorisation		Other (Specify)	
	<input type="checkbox"/> Maintenance Organisation	<input type="checkbox"/> Other			
Date of Acceptance or Rejection		Certificate or Designation Number		Signature of Authorised Individual	

