



Advisory Circular

CAA-AC-AWS030

October 2013

APPROVAL OF AVIONICS EQUIPMENT

1.0 PURPOSE

This Advisory Circular provides guidance and information required for the approval of avionics equipment and instruments as required by the Civil Aviation Regulations.

2.0 REFERENCES

The Civil Aviation (Instrument and Equipment), Regulations.

3.0 GUIDANCE AND PROCEDURES

3.1 General Guidance

3.1.1 Civil Aviation (Instrument and Equipment) Regulation requires that a person shall not fly an aircraft unless it is equipped so as to comply with the law of the State of Registry

3.1.2 Civil Aviation (Instruments and Equipment) Regulations requires that a person shall not fly an aircraft registered in the [State], unless the aircraft is equipped as specified under these Regulations

3.1.3 Any equipment fitted to, or on, an aircraft from time to time can be divided into two basic categories:

- a) Items required for compliance with the regulations governing specific types of operation
- b) Any other equipment that is fitted in addition to that required by regulation.

3.1.4 Any equipment fitted in compliance with the regulations must be approved by Authority prior to use.

3.1.5 To be able to comply with the regulations, and to obtain CAA's approval, all required equipment fitted to an aircraft must conform to an approved design standard and

the manufacturing process designed to ensure continuing conformance to that standard. All other equipment must be of a design such that it is sound and functions correctly to ensure that it does not constitute a hazard to the aircraft or occupants.

3.2 Approval of Instruments and/or Equipment

3.2.1 The certification process for the issue of a Certificate of Airworthiness includes verification that the instruments and equipment required by Instrument and Equipment Regulations are approved. All modifications which involve the installation of instruments and equipment must involve verification of approval of equipment and the method of installation.

3.2.2 The authority will accept the following instrument or equipment approvals:

- a) Technical Standard Order (TSO)
- b) Acceptance as a part of the aircraft on the original Type Certificate (TC)
- c) Supplemental Type Certificate (STC)

3.2.3 During the application for approval the operator will;

- a) Ensure that all avionics equipment requiring CAA's approval has the appropriate documentation for that approval.
- b) Ensure that the equipment is used only on the aircraft for which it is approved.
- c) Ensure that any spare instruments/equipments are approved. If substitutes are to be used as spares, verify their approval and the authority to install them on the aircraft.

NOTE: Instruments and equipment that have not been maintained or altered in accordance with accepted practices and procedures could affect the approval basis. Changes to the basic design of avionics equipment may render the approval invalid.



Civil Aviation Authority