
IRELAND

SAFETY REGULATION DIVISION
IRISH AVIATION AUTHORITY
AVIATION HOUSE
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AERONAUTICAL NOTICE

NR	A.6
ISSUE	7
DATE	05.02.10

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APPROVAL OF MODIFICATIONS

The Irish Aviation Authority, in pursuance of Articles 17 and 31 of the Irish Aviation Authority (Airworthiness of Aircraft) Order 1996, (S.I. No. 324 of 1996), as amended by the Irish Aviation Authority (Airworthiness of Aircraft) (Amendment) Order S.I. No. 102 of 1997 and the Irish Aviation Authority (Airworthiness of Aircraft) (Amendment) Order S.I. No 684 of 2003 hereby directs;

Where not subject to corresponding and applicable provisions under EU Commission Regulations (EC) No. 1702/2003, as amended, and (EC) No. 2042/2003, as amended, which are currently effective, the following shall apply:

1.1. General

- a) Modifications to aircraft include modifications to aircraft products, parts and appliances, detailed in the specification of the Type Approval and also any changes in the type of any of those items.
- b) Modifications initiated by the type certificate holder and approved by the Airworthiness Authority of the State of Design, and modifications approved in accordance with Commission Regulations (EC) No. 1702/2003, are approved by the Irish Aviation Authority for incorporation in the aircraft to which the modification relates, provided that no deviation from the modification is made and the modification is accomplished within the limitations and conditions that apply
- c) All other modifications, not included in paragraphs b) above, shall require written approval by the Irish Aviation Authority prior to incorporation on aircraft in accordance with paragraph (4) of the said Article 17.
- d) Any modification which changes the certified weights, the engine power, the passenger capacity or the noise characteristics of any aircraft shall be notified to the Irish Aviation Authority.

1.2. Approval of Modifications

- a) An application for the approval of a modification (as in paragraph 1.1 c) above) for incorporation in an aircraft on the Irish Register shall be made on Form C.A. 36 and together with necessary design data package should be submitted to the Irish Aviation Authority, Aviation House, Hawkins Street, Dublin 2, at least one month before final approval is required. Irish Aviation Authority Airworthiness Advisory Memorandum AAM 09/10 provides detailed guidance for an applicant for modification approval.
- b) Modifications are classified as major or minor (refer to AAM 09/10 for details). Major modifications should be provided with a certificate of approval by the state of design of the

aircraft product concerned. Where such a certificate is not available the applicant must be able to demonstrate sound knowledge of the design principles embodied in the aircraft type being modified and capability to perform the design (refer to AAM 09/10 for details).

- c) The design data package submitted should be completed in accordance with standard aeronautical engineering practice and should contain full information for the design change, including all work instructions, drawings, substantiation data, calculations, reports, inspections, tests, manual supplements/amendments and instructions for continued airworthiness, necessary to demonstrate compliance with the relevant safety regulations applicable to the proposed modification.
- d) The applicant shall facilitate any requirements of the Irish Aviation Authority to investigate, witness or observe the accomplishment of the modification or specific aspects thereof (eg tests, inspections etc).
- e) The applicant shall retain all relevant design data, as identified in paragraph 1.2 b) above, to support the continued airworthiness of the modification, and shall make this data available to the Irish Aviation Authority as and when requested. The responsibilities of modification approval holders are detailed in AAM 09/10.

1.3 **Certification**

1.3.1 For aircraft subject to an ICAO Article 83bis delegation agreement

- a) The incorporation of all modifications shall be certified by a person acceptable under the terms of the Article 83bis arrangement applicable to the aircraft, and the person so certifying shall satisfy himself that the work has been done, inspected, and where necessary, tested in conformity with the specifications, drawings and instructions relating thereto.
- b) The certification shall be by the issue of a Certificate of Release to Service in accordance with the terms of the Article 83bis arrangement applicable to the aircraft.

1.3.2 For all other aircraft

- a) The incorporation of all modifications shall be certified by a person qualified in accordance with article 8 of the Irish Aviation Authority (Personnel Licensing) Order S.I. No. 333 of 2000, as amended by Irish Aviation Authority (Personnel Licensing) (Amendment) Order S.I. No. 683/2003, and the person so certifying shall satisfy himself that the work has been done, inspected, and where necessary, tested in conformity with the specifications, drawings and instructions relating thereto.
- b) The certification shall be by the issue of a Certificate of Release to Service as required by the said Order. The approval number given to a modification by the Airworthiness Authority classifying the modification shall be included in the relevant log book entry.

- 2. Copies of form C.A. 36 may be obtained from the Irish Aviation Authority, Aviation House, Hawkins Street, Dublin 2, or at http://www.iaa.ie/safe_reg/airwo_app.asp.

Chief Executive
Irish Aviation Authority