

## AERONAUTICAL CIRCULAR CIVIL AVIATION AUTHORITY – MACAO, CHINA

**SUBJECT:**

**Detecting and Reporting of Unapproved Parts**

**EFFECTIVE DATE:**

20 February 2009

**CANCELLATION:**

Nil

**GENERAL:**

The President of Civil Aviation Authority – Macao, China, in exercise of his power under Paragraph 89 of the Air Navigation Regulation of Macao (ANRM) and Article 35 of the Statutes of Civil Aviation Authority, approved by the Decree-Law 10/91/M, established this Aeronautical Circular (AC).

### **1 Introduction**

The objectives of this Circular are to provide guidelines and procedures for detecting unapproved parts and reporting them to the AACM and type certificate holders. Mandatory Occurrence Reporting (MOR) scheme serve as a standardised means of reporting unapproved parts.

### **2 Definitions**

For the purpose of this Circular the following definitions apply:

- (a) **Unapproved Parts** means parts and materials intended for installation on a type certificated product/aircraft, which has been neither manufactured according to approved procedures, nor conforms to an approved type design; or it fails to conform to declared specifications or accepted industry standards (i.e. standard parts).

**(b) Unapproved parts include, but are not limited to:**

- i. Parts specified in the Illustrated Parts Catalogues (IPC) of a type certificated aircraft, but which have been manufactured, reclaimed or reworked and then marked by an unauthorised source and provided with documents which indicate falsely that the part(s) are genuine and conform to the approved type design, or meet a particular industry standard and are offered for use as conforming with an aircraft manufacturers authorized IPC.
- ii. Parts shipped directly to users by, manufacturers, suppliers, or distributors who do not themselves hold appropriate production approvals for the parts, and have not been authorised to make direct shipments to users or stockists, by the type certificate holder, who alone has production approval e.g. production overruns.
- iii. Parts which have not been maintained, overhauled or repaired in accordance with the requirements of approved airworthiness data and/or statutory requirements, or that have been maintained, overhauled or repaired by persons not authorised to perform and certify these functions.

### **3 Reporting Procedures**

- 3.1 Suspected unapproved parts should be reported to the President of AACM through the Mandatory Occurrence Reporting (MOR) Scheme as stated in AC/GEN/003.
- 3.2 To assist in tracing unapproved parts or materials, persons raising an MOR should, as far as possible, provide the following information on their report:
  - (a) The name of the suspected unapproved parts.
  - (b) Part number or any other number on the parts.
  - (c) Part serial number.
  - (d) List next higher assembly that suspected unapproved part is assembled into (i.e. fuel pump, engine, and landing gear) and list part number, if known.
  - (e) Quantity of suspected unapproved parts found or identified.
  - (f) Make and model number of the aircraft or component that the suspected unapproved part is applicable to.

- (g) The identification of the commercial source of the suspected unapproved part. If the part is identified with Part Manufacturer or Distributor marking, this should be quoted.
- (h) Describe any pertinent facts relating to the suspected unapproved part and identify where part may be inspected (provide photos, invoices, etc., if available).
- (i) The date suspected unapproved part was discovered.
- (j) Name and address in full or the location where suspected unapproved part(s) was discovered.

3.3 The organisation or persons which raise the unapproved parts report must pass a copy of the report to the appropriate type design holder and manufacturer(s) of the relevant parts.

#### **4 FAA Suspected Unapproved Part (SUP) Program**

4.1 The FAA established a Suspected Unapproved Part (SUP) Program; key topics of the program are guidance for detecting SUP in an FAA Advisory Circular No. 21-29C and Suspect Unapproved Parts Notifications. Detail information of the SUP program could be found on the FAA Internet web-site: <http://www.faa.gov/aircraft/safety/programs/sups/>.

#### **5 Related AACM Aeronautical Circulars**

5.1 Aeronautical Circulars AC/AW/001, AC/AW/002 and AC/AW/017 provide guidance on the acceptance of aircraft components for aircraft with Macao Certificates of Airworthiness.

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