

Advisory Circular

SUSPECTED UNAPPROVED PARTS

GENERAL.....	1
PURPOSE	1
APPLICABILITY.....	1
CANCELLATION.....	1
EFFECTIVE DATE.....	1
REFERENCES.....	1
1 INTRODUCTION	2
2 UNAPPROVED PARTS	2
3 ACTIONS BY OPERATORS OF SINGAPORE-REGISTERED AIRCRAFT, SAR-145 AMOS AND SUB-PART D DISTRIBUTORS	2
4 REPORTING.....	3

GENERAL

Advisory Circulars (ACs) are issued by the Director-General of Civil Aviation (DGCA) from time to time to provide practical guidance or certainty in respect of the statutory requirements for aviation safety. ACs contain information about standards, practices and procedures acceptable to CAAS. An AC may be used, in accordance with section 3C of the Air Navigation Act (Cap. 6) (ANA), to demonstrate compliance with a statutory requirement. The revision number of the AC is indicated in parenthesis in the suffix of the AC number.

PURPOSE

This Advisory Circular (AC) provides information to operators of Singapore-registered aircraft, aircraft maintenance organisations and distributors on existing requirements for approved parts and the handling of Suspected Unapproved Parts (SUPs). Guidance is also given on how the detection of SUPs should be reported to the CAAS.

APPLICABILITY

This AC applies to operators of Singapore-registered aircraft, all SAR-145 Aircraft Maintenance Organisations (AMOs) and all SAR-145 Sub-Part D Distributors.

CANCELLATION

This revision 1 to AC 1-4 supersedes revision 0. Revision 1 includes updates to the reporting process and other editorial amendments.

EFFECTIVE DATE

This AC is effective from 15 October 2021.

REFERENCES

- ANR-91 Regulation 50
- SAR-145.60
- SAR-145.260
- AC 145-3: Acceptability of Parts.

1 INTRODUCTION

1.1 Approved parts are manufactured and tested to airworthiness standards by qualified personnel before release to service. Installation of unapproved parts on Singapore-registered aircraft has serious airworthiness implications and is a reportable safety matter in accordance with the following requirements:

- (a) ANR-91 Regulation 50 for operators of Singapore-registered aircraft;
- (b) SAR-145.60 for SAR-145 AMOs; and
- (c) SAR-145.260 for SAR-145 Sub Part D Distributors.

2 UNAPPROVED PARTS

2.1 Unapproved parts must not be installed onto Singapore-registered aircraft. Such parts include, but are not limited to:

- (a) Parts that are not accompanied with authorised release certificates or equivalent release documents as specified in –
 - (i) Appendix 1 of SAR-145 Sub-Part D for new parts; or
 - (ii) AC 145-3 for maintained parts.
- (b) Parts that have been intentionally misrepresented, including counterfeit parts that are accompanied with falsified release documentation.
- (c) New parts that were manufactured in accordance with approved data and procedures by an approved manufacturer but did not pass through an approved quality system and is not accompanied with proper documentation, e.g. production overruns.
- (d) Defective parts that were missed during the manufacturer's quality checks.
- (e) Used parts that were not maintained in accordance with approved airworthiness data and procedures or were maintained by unauthorised persons.
- (f) Parts that originate from military stocks which have not been shown to conform to approved design/data.

3 ACTIONS BY OPERATORS OF SINGAPORE-REGISTERED AIRCRAFT, SAR-145 AMOS AND SUB-PART D DISTRIBUTORS

3.1 Operators of Singapore-registered aircraft, SAR-145 AMOs and Sub-Part D distributors should be vigilant in their receiving inspections to ensure that only

approved aircraft parts, whether new or used, are accepted and inducted into their systems for installation onto Singapore-registered aircraft.

- 3.2 Reasons for suspecting a part to be unapproved may include findings such as different finish, size, colour, improper (or lack of) identification, incomplete or altered release documents, or any other questionable indication. Such cases should be reported to CAAS, the Type Certificate Holder, and if applicable, the operator.
- 3.3 Any parts that, for any reason, are suspected to be unapproved, should be quarantined and properly disposed of once investigations conclude that they are unapproved parts. If the unapproved parts had been installed, it should be removed immediately.

4 REPORTING

- 4.1 In the event that a suspected unapproved part is identified, the person, maintenance organisation, distributor or operator detecting it must make a report to the type certificate holder and to CAAS within 72 hours.
- 4.2 To report to CAAS, the reporter should use Form CAAS(AW)133, which is available on the CAAS website. The completed form should be emailed to the following email address using the subject line indicated:
 - Email address: caas_dfirs@caas.gov.sg
 - Subject line: Suspected Unapproved Parts