

Singapore Airworthiness Requirements Part 39 Airworthiness Directives

Publication of the
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SINGAPORE AIRWORTHINESS REQUIREMENTS

PART 39

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LIST OF EFFECTIVE PAGES

Amendment 3 dated 3 November 2022.

The following pages of SAR-39 are now current:

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SECTION 1 – REQUIREMENTS

SAR-39.1 General

This SAR-39 prescribes the requirements governing the issue of Airworthiness Directives that are applicable to Singapore aircraft and any aircraft component to be fitted on Singapore aircraft.

- (1) an unsafe condition exists in any aircraft or aircraft component; and
- (2) that condition is likely to exist or develop in any other aircraft or aircraft component of the same design.

SAR-39.3 Effectivity

- (a) This SAR-39 was first issued on and became effective on 15 November 2003.
- (b) Amendment 1 was issued on and became effective on 15 December 2006.
- (c) Amendment 2 was issued on and became effective on 8 August 2017.
- (d) Amendment 3 was issued on and became effective on 3 November 2022.

SAR-39.15 Compliance

- (a) No person shall operate or permit the operation of a Singapore aircraft to which an Airworthiness Directive applies, or a Singapore aircraft fitted with an aircraft component to which an Airworthiness Directive applies, unless that person ensures that the aircraft complies with
 - (1) each applicable Airworthiness Directive issued in accordance with SAR-39.10 by the compliance time specified in the Airworthiness Directive; or
 - (2) an alternative means of compliance approved under SAR-39.30 for each applicable Airworthiness Directive.

SAR-39.5 Definitions

For the purpose of this SAR-39, the following definitions shall apply:

'Airworthiness Directive' means a document issued or adopted by the Authority which mandates actions to be performed to restore an acceptable level of safety for aircraft, when evidence shows that the safety level may otherwise be compromised.

'Foreign airworthiness directive' means an airworthiness directive or mandatory airworthiness requirement issued by a foreign civil aviation authority which mandates actions to be performed to restore an acceptable level of safety for aircraft, when evidence shows that the safety level may otherwise be compromised.

'State of Design of Modification' means the State having jurisdiction over the individual or organisation responsible for the design of the modification or repair of an aircraft, engine or propeller.

- (1) each applicable Airworthiness Directive issued in accordance with SAR-39.10 by the compliance time specified in the Airworthiness Directive; or
- (2) an alternative means of compliance approved under SAR-39.30 for each applicable Airworthiness Directive.

- (b) In addition to sub-paragraph (a), no person shall operate or permit the operation of a Singapore aircraft unless that person ensures that the aircraft or any component installed on that aircraft complies with:
 - (1) any applicable foreign airworthiness directive issued by the relevant authority of the State of Design or the State of Design of Modification by the compliance time specified in the applicable foreign airworthiness directive; or
 - (2) an alternative means of compliance approved under SAR-39.30 for each of the applicable foreign airworthiness directive.

- (1) any applicable foreign airworthiness directive issued by the relevant authority of the State of Design or the State of Design of Modification by the compliance time specified in the applicable foreign airworthiness directive; or
- (2) an alternative means of compliance approved under SAR-39.30 for each of the applicable foreign airworthiness directive.

- (2) an alternative means of compliance approved under SAR-39.30 for each of the applicable foreign airworthiness directive.

- (c) Notwithstanding sub-paragraph (b), the Authority may issue an Airworthiness Directive referencing a particular foreign airworthiness directive, in which case the Airworthiness Directive will take precedence over the foreign airworthiness directive.

SAR-39.10 Issuance

The Authority may issue an Airworthiness Directive in respect of aircraft or aircraft component if the Authority believes on reasonable grounds that

- (d) In compliance with sub-paragraph (b), the Authority shall be notified of the results arising from compliance of foreign airworthiness directives.

SAR-39.20 Amendments

The Authority may issue an amendment to an Airworthiness Directive in accordance with SAR-39.5 and will identify the amendment by a suffix to the original Airworthiness Directive number.

SAR-39.25 Cancellation

The Authority may cancel an Airworthiness Directive when the Authority is satisfied that the grounds required by SAR-39.10 for the issue of the Airworthiness Directive no longer exist.

SAR-39.30 Alternative Means of Compliance

- (a) An applicant for the approval of an alternative means of compliance to that specified in an Airworthiness Directive or a foreign airworthiness directive shall submit a request to the Authority containing at least the following information:
- (1) the make, model, and serial number of the aircraft or aircraft component to which the Airworthiness Directive or foreign airworthiness directive applies;
 - (2) in the case of an aircraft to which an Airworthiness Directive or a foreign airworthiness directive applies, its registration markings;
 - (3) the name and address of the applicant;
 - (4) the identification of the Airworthiness Directive or foreign airworthiness directive for which the alternative means of compliance is sought;
 - (5) substantiating data to demonstrate that a level of safety equivalent to that of the Airworthiness Directive or foreign airworthiness directive, as the case may be, can be achieved by the proposed alternative means of compliance; and
 - (6) such further particulars as the Authority may require relating to the aircraft or aircraft component, or the approval of an alternative means of compliance.
- (b) The Authority may approve an alternative means of compliance if the Authority is satisfied that the alternative means of compliance provides an equivalent level of safety to that achieved through compliance with the requirements in the Airworthiness Directive or foreign airworthiness directive.

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**SECTION 2 - ACCEPTABLE MEANS OF COMPLIANCE (AMC) AND
INTERPRETATIVE/EXPLANATORY MATERIAL (IEM)**

1 GENERAL

- 1.1 This section contains Acceptable Means of Compliance (AMC) and Interpretative/Explanatory Material (IEM) that has been included in the SAR-39 to provide clarifications on compliance with the SAR-39 requirements.
- 1.2 Where a particular SAR paragraph does not have an Acceptable Means of Compliance or any Interpretative/Explanatory Material, it is considered that no supplementary material is required.
- 1.3 In addition, Advisory Circulars issued by the Authority may contain further Acceptable Means of Compliance and/or Interpretative/Explanatory Material.

2 PRESENTATION

- 2.1 The Acceptable Means of Compliance and Interpretative/Explanatory Material are presented in full-page width on loose pages, each page being identified by the date of issue or the change number under which it is amended or re-issued.
- 2.2 A numbering system has been used in which the Acceptable Means of Compliance and Interpretative Material uses the same number as the paragraph in SAR to which it refers. The number is preceded by the letters AMC or IEM to distinguish the material from the SAR itself.
- 2.3 The acronyms AMC and IEM also indicate the nature of the material and for this purpose the two types of material are defined as follows:
 - (a) Acceptable Means of Compliance (AMC) illustrate a means, or several alternative means, but not necessarily the only possible means by which a requirement can be met. It should however, be noted that where a new AMC is developed, any such AMC (which may be additional to an existing AMC) may be amended into the document or issued as a separate Advisory Circular.
 - (b) Interpretative/Explanatory Material (IEM) helps to illustrate the meaning of a requirement.
- 2.4 Explanatory notes not forming part of the AMC text appear in a smaller typeface.

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IEM 39.15(b) Compliance with foreign airworthiness directives

- 1 For aircraft, engines and propellers, the applicable airworthiness directives would mean those airworthiness directives that are issued by the authority of the State of Design for the particular aircraft, engine and propeller respectively.

Note : In the case where the authority of the State of Design for the particular aircraft issues an airworthiness directive that is incompatible to the airworthiness directive issued by the State of Design of the engine or propeller, the airworthiness directive issued by the State of Design of the aircraft would take precedence.

- 2 For aircraft components installed on the aircraft not covered by paragraph 1 above, the relevant and applicable airworthiness directives would mean those airworthiness directives that are issued by the authority of the country of design for that aircraft component.