

Regional Aircraft Towbar Attach Fitting Interface

RATIONALE

It has been decided this standard would not be updated in the event of newer models of regional aircraft using different fitting interface.

STABILIZED NOTICE

This document has been declared "Stabilized" by the AGE-2 Committee and will no longer be subjected to periodic reviews for currency. Users are responsible for verifying references and continued suitability of technical requirements. Newer technology may exist.

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1. SCOPE:

1.1 Purpose:

This SAE Aerospace Standard (AS) specifies the interface requirements for towbar attachment fittings on the nose gear (when towing operations are performed from the nose gear) of conventional tricycle type landing gears of commercial civil transport aircraft with a maximum ramp weight between 8600 kg (19 000 lb) and 50 000 kg (110 000 lb), commonly designated as "regional aircraft".

Its purpose is to achieve towbar attachment fittings interface standardization by aircraft weight category (which determines towbar forces) in order to ensure that one single type of towbar with a standard connection can be used for all aircraft types within or near that weight category, so as to assist operators and airport handling companies in reducing the number of different towbar types used.

1.2 Field of Application:

This Aerospace Standard is intended to be applicable to all new models of regional aircraft within the specified maximum ramp weight range, entering service or designed after its date of publication. See Section 3, Effectivity, hereafter.

It is not its intent to apply to previously in service regional aircraft models, which present a considerable variety of towbar attachment fittings, However, where deemed appropriate in order to facilitate operation of such aircraft types at airports, simple retrofit modifications are described that may be considered to bring certain in service fittings to be compatible with a towbar head meeting this Aerospace Standard.

2. APPLICABLE DOCUMENTS:

The following publications form a part of this specification to the extent specified herein. The latest issue of SAE publications shall apply. The applicable issue of other publications shall be the issue in effect on the date of the purchase order. In the event of conflict between the text of this document and references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

2.1 Regulatory:

Available from U.S. Government Printing Office, M/S SSOP, Washington, DC 20402-9328.

Federal Aviation Regulations 14CFR Part 25, Airworthiness Standards: Transport category airplanes, paragraph 25.509, Towing loads