

European Union Aviation Safety Agency

Certification Specifications for Standard Changes and Standard Repairs CS-STAN

ACCEPTABLE METHODS, TECHNIQUES AND PRACTICES FOR CARRYING OUT AND IDENTIFYING STANDARD CHANGES
AND STANDARD REPAIRS (SCs/SRs) AS PERMITTED IN PART 21

Issue 3
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¹ For the date of entry into force of this Issue, please refer to Decision 2019/010/R in the [Official Publication](#) of EASA.

Standard Change CS-SC004a

INSTALLATION OF ANTENNAS

1. Purpose

This SC covers the installation and exchange of antennas other than RADAR and directional SAT/COM antennas. For aircraft certified to operate in known icing conditions, this SC only covers the exchange of antennas.

Installation of large antennas (such as High Frequency (HF) or Direction Finding (DF) antennas) in rotorcraft is not covered by this SC.

2. Applicability/Eligibility

Aeroplanes not being complex motor-powered aircraft, rotorcraft not being complex motor-powered aircraft and any ELA2 aircraft.

3. Acceptable methods, techniques and practices

The following standards contain acceptable data:

- FAA Advisory Circular AC 43.13-2B, Chapter 1 & 3; and
- FAA Advisory Circular AC 43.13-1B, Chapter 11, Section 15 (on electrical bonding).

Additionally, the following applies:

- The antenna is installed in non-pressurised secondary structure areas, unless the location is set for this purpose in the airframe documentation or provided by the TC holder (i.e. NTO), or the antenna is being exchanged and has the same footprint.
- The antenna is located in a distance to other antennas appropriate for the aircraft and the antennas.
- The antenna is compatible with the connected equipment and is suitable for the environmental conditions to be expected during normal operation.
- For aircraft certified to operate in known icing conditions, the new antenna is located at the same position and has a size similar to that of the existing antenna being replaced.
- Instructions and tests defined by the equipment manufacturer have to be followed.
- The performance of the new antenna installation or of the new antenna type has to be confirmed during testing after installation (e.g. range of radio).

4. Limitations

Any limitations defined by the equipment manufacturer apply.

5. Manuals

Amend the Instructions for Continuing Airworthiness to establish maintenance actions/inspections and intervals, as required.

6. Release to service

This SC is not suitable for release to service by the Pilot-owner.