



Deviation request #105 for an ETSO approval for CS-ETSO applicable to Temperature Instruments (ETSO-C43c) Consultation Paper

1. Introductory note

The hereby presented deviation requests shall be subject to public consultation, in accordance with EASA Management Board Decision No 7-2004 as amended by EASA Management Board Decision No 12-2007¹ products certification procedure dated 11th September 2007, Article 3 (2.) of which states:

“2. Deviations from the applicable airworthiness codes, environmental protection certification specifications and/or acceptable means of compliance with Part 21, as well as important special conditions and equivalent safety findings, shall be submitted to the panel of experts and be subject to a public consultation of at least 3 weeks, except if they have been previously agreed and published in the Official Publication of the Agency. The final decision shall be published in the Official Publication of the Agency.”

2. ETSO-C43c#2 – Temperature Instruments

Deviate from ETSO-C43c 3.1.1(ii) by using the environmental test standard used to comply with CS-ETSO subpart A paragraph 2.1 instead of RTCA DO-160D for the vibration test.

Requirement:

3.1.1 - Minimum Performance Standard

Standards set forth in the SAE Aerospace Standard (AS) 8005 „Minimum Performance Standard for Temperature Instruments“, reaffirmed October, 1984 as amended and supplemented by this ETSO:

Exceptions:

- (i) In the friction error test SAE AS 8005, paragraph 4.8, the vibration (to minimize friction) provisions of paragraph 4.3 do not apply.
- (ii) For clarification, the vibration test of SAE AS 8005, paragraph 5.8, shall be conducted in accordance with the test procedure of RTCA document DO-160D, paragraph 8.5.1.

Industry:

Equivalent level of safety is provided by use of a later revision document.

EASA:

The use of later revisions of the environmental conditions is in line with CS-ETSO subpart A paragraph 2.1

EASA accepts the deviation request.

¹ Cf. EASA Web: <http://easa.europa.eu/management-board/docs/management-board-meetings/2007/04/MB%20Decision%2012-2007%20amending%20the%20certification%20procedure.pdf>