

# Deviation Request #115 for an ETSO approval for CS-ETSO applicable to Aircraft Audio Systems and Equipment (ETSO-C139)

## 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 12-2007](#) 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 Deviation Requests

#### 2.1 ETSO-C139#4 Aircraft Audio Systems and Equipment

##### 2.1.1 Summary of Deviation

Deviates from ETSO-C139 paragraph 3.1.1 to use RTCA document DO-214a “Audio Systems Characteristics and Minimum Performance Standards for Aircraft Audio Systems and Equipment” instead of DO-214

##### 2.1.2 Original Requirement

ETSO C139

###### 3.1.1 - Minimum Performance Standard

Standards set forth in section 2 of the RTCA document DO-214 “Audio Systems Characteristics and Minimum Performance Standards for Aircraft Audio Systems and Equipment” dated March 2, 1993, with the following clarifications:

In sub-paragraph 2.8.2.7.1 Input-to-Output Crosstalk and Bleed-Through Levels: Vref will be defined as the rated output level of the monitored output in lieu of the rated input.

In sub-paragraph 2.8.2.7.2 Input-to-Input Crosstalk: Vref will be defined as the rated input level of the monitored input.

##### 2.1.3 Industry

RTCA DO-214a is the successor document to DO-214 and reflects the newest available system knowledge. The subparagraphs 2.8.2.7.1 and 2.8.2.7.2 of DO-214a have incorporated the clarifications added by ETSO-C139 to the original DO-214.

#### 2.1.4 Equivalent Level of Safety

An equivalent level of safety is provided by using the latest revision of the Minimum Performance Specification.

#### 2.1.5 EASA position

We accept the deviation.