

Deviation Request ETSO-C209#7 for an ETSO approval for CS-ETSO applicable to Electronic Flight Instrument System (EFIS) Display (ETSO-C209)

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 ETSO-C209#7 Electronic Flight Instrument System (EFIS) Display

2.1 Summary of Deviation

Deviate from ETSO-C209 §3.1.1 to use SAE AS 8034C instead of SAE AS 8034B standard.

2.2 Original Requirement

CS-ETSO Amendment 17, ETSO-C209 “Electronic Flight Instrument System (EFIS) Display” section 3.1.1(c) — Minimum Performance Standard:

Standards set forth in SAE AS6296, Electronic Flight Instrument System (EFIS) Display, dated March 2016, and AS8034B, Minimum Performance Standard for Airborne Multipurpose Electronic Displays, dated 27th June 2011.

2.3 Industry

We consider SAE AS 8034 at revision C, dated July 2018, as modified by § 3.1.1 of ETSO-C113b dated 25th of July 2020, the most appropriate requirement standard for displays. The document reflects industry consensus on display requirements, addresses LCD and Touchscreen technologies and uses most current references. It is an evolution of the previous revision B, referenced by the ETSO-C209.

2.4 Equivalent Level of Safety

Latest SAE AS 8034 standard’s revision could be considered at least equivalent to the previous revision referenced by the ETSO. In addition, SAE AS 8034C is the referenced standard for other current ETSOs (i.e. ETSO-C113b dated 25th of July 2020) therefore would be considered as an appropriate and current airworthiness standard.

2.5 EASA position

We accept the deviation.

