

# Deviation Request ETSO-C80#3 for an ETSO approval for CS-ETSO applicable to Flexible fuel and oil cell material (ETSO-C80) 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-C80#3 Flexible fuel and oil cell material

### 2.1 Summary of Deviation

Deviates from ETSO-C80, Appendix 1, § 7.1.3 performing slosh test at room temperature instead of at  $135^{\circ}\pm 10^{\circ}$  F.

### 2.2 Original Requirement

ETSO-C80, Appendix 1, §7.1.3 Fluid Temperatures

The temperature of the fluid during the slosh test shall be as shown in the table below: <i>Test Fluid Temperatures</i>	
<i>Test Fluid</i>	<i>Temperatures</i>
Fuel	$135^{\circ}\pm 10^{\circ}$ F.
Oil	Maximum temperature ( $\pm 10^{\circ}$ F.) selected by manufacturer and stated as a limitation

### 2.3 Industry

For safety reason, the test fluid (Jet A1) has a flash point of  $38^{\circ}\text{C}$  ( $100,4^{\circ}\text{F}$ ), and the temperature of  $57^{\circ}\text{C}$  ( $135^{\circ}\text{F}$ ) is higher than this flash point.

## 2.4 Equivalent Level of Safety

In order to avoid risky test conditions deriving from fuel heated above the relevant flash point we may consider the need to conduct the test at room temperature as acceptable.

## 2.5 EASA position

We accept the deviation.