# Deviation Request ETSO-C10b#10 for an ETSO approval for CS-ETSO applicable to Aircraft Altimeter, Pressure Actuated, Sensitive Type (ETSO-C10b)
# 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-C10b#10 Aircraft Altimeter, Pressure Actuated, Sensitive Type

### 2.1 Summary of Deviation

Deviates from SAE AS8009A section 3.11 and from SAE AS8009B section 3.12 to not display ALTITUDE or ALT next to the tape indicating altitude nor the altitude range.

### 2.2 Original Requirement

SAE AS8009A 3.11 or AS8009B 3.12 Display Markings:
Altitude shall be indicated in feet or meters as required, by means of one or more pointers, dials, tapes, drums, digital readouts, or any combination thereof. Relative motion of the index with respect to the scale (either the index or the scale may be the moving element) shall be clockwise, up, or to the right for increasing altitude. In the case of counters, drums, or tapes, the higher number shall be above the lower. The word ALTITUDE or ALT shall be marked on the dial and may be in the same finish as the numerals. The altitude range shall be shown on the dial. (…)

### 2.3 Industry

A similar deviation had already been granted (ETSO-C10b#3) for a different reason.

In the specific case of this application, displaying the required words / text would clutter the multi-function screen. The display range is obvious on a tape. The physical parameter displayed is also obvious thanks to its value and its dynamic behaviour.

## 2.4 Equivalent Level of Safety

An equivalent of safety is provided by:

- The dynamics of the altitude parameter and the adjacent indication of the unit and of the baro-setting making the indication obvious.
- The range of the tape being self-evident.

## 2.5 EASA position

We accept the deviation.