

Comments from Sweden on RESS-5-5-Working document for discussion at the 6th RESS meeting 10-12 January 2012.

Section 2 – Definitions

The Swedish work group is of the opinion that there are a number of definitions that needs to be discussed and revised. There are also terms used in the document that may need to be defined.

“Type of REESS” – must be careful that the definition does not become too restrictive and design limiting by requiring new type approvals for changes that are part of normal product development. Some form of guidelines for how “significantly different” should be interpreted, for example:

- a) Capacity change > x%
- b) Thermal management – should apply to changes in principle for thermal control.

“Subsystem” – definition needs to be modified to clarify that an acceptable subsystem for test should be a higher level subsystem that is representative of the REESS in all tested aspects. Suggestion:

“Subsystem” means any autonomous functional assembly of REESS components.

Term that may need to be defined:

“Electrolyte leakage” – In 6.3.4.1 and 6.3.4.2 (Mechanical impact and Mechanical integrity) electrolyte leakage is defined as a specified volume or amount. In the remaining test contexts, it is not specified what constitutes a leakage and how the ocular verification is to be performed.

Annex 8E – Fire test procedure

The decision of the 5th RESS work group meeting to eliminate the “re-ignition” and “increasing fire” criteria from the REESS acceptance requirements means that the safety requirement level of the current Fire exposure test differs significantly from those in R34, which was used as a model for the REESS requirements. It is reasonable to compensate for this by increasing the fire exposure of the REESS in the Fire test, so that the exposure time reflects the safety level of the test acceptance criteria. We propose that Phase C is removed and to extend Phase B to a total of 120 s. This has the added benefit of making the test more comprehensive and easier to conduct.