

Japanese Proposal**TERMS OF REFERENCE (Draft)**

1. This subgroup shall develop "Safety requirements for Rechargeable Energy Storage System (RESS) used for electrically propelled vehicles" to be adopted as (i) a new global technical regulation (GTR) under the 1998 Agreement as an ultimate goal; and (ii) a new ECE Regulation or amendment(s) of existing ECE Regulation(s) under the 1958 Agreement as an interim solution, if necessary.
2. The subgroup shall first focus on the vehicles of categories M1 and N1 having regard to possible extension to other category vehicles. The possibility to establish type approval provisions as a separate technical unit shall also be examined.
3. The primary task is to identify potential safety risks of RESS, which have not been addressed during the previous work under ELSA (i.e. the recent amendment to ECE R100 for in-use situation and the expected amendments to ECE R12/R94/R95 for post-crash situation.)
4. Within various kinds of RESS, lithium-ion batteries shall be considered as a matter of priority and therefore the development of technical requirement by this subgroup shall be mainly based on the lithium-ion batteries, while application of such technical requirement to other types of RESS shall be considered where appropriate.
5. The subgroup shall take full account of existing data and research in developing its regulatory proposal. Relevant international or national standards (e.g. ISO, IEC, SAE) and relevant sections of "UN Manual of Tests and Criteria" should be considered.
6. At a minimum, technical requirements for lithium-ion batteries used for vehicles in Categories M1 (and N1) shall be submitted directly to GRSP at its fiftieth session (December 2011) for the first step. Timeframe of the subsequent steps to resolve remaining issues and to establish a new GTR under the 1998 Agreement shall be examined during the course of the first step.