

COMMITTEE OF EXPERTS ON THE TRANSPORT OF DANGEROUS GOODS AND ON THE GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS

Sub-Committee of Experts on the
Transport of Dangerous Goods

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Item 4 of the provisional agenda

D R A F T

ELECTRIC STORAGE SYSTEMS

Amendment of Special Provision 240

Report of the Lunch Time Working Group (Germany)

1. The Lunch Time Working Group reviewed on the basis of document ST/SG/AC.10/C.3/2009/35 and Inf. 33 a possible amendment of SP 240.
2. It was agreed that entry UN 3171 should cover vehicles powered by all 3 mentioned types of batteries (sodium, wet and lithium batteries) and equipment with sodium or wet batteries only. Equipment powered by lithium batteries should be assigned to UN 3091 or UN 3481, as appropriate. Consequently SP 903 has to be amended in order to allow unpackaged transport for large equipment which can not be packed in a UN approved packaging.
3. A new Special Provision should be assigned to UN 3091 and UN 3481, referring to UN 3171 for lithium battery powered vehicles.

Proposal

4. Amend SP 240 to read as follows:

“This entry only applies to vehicles ~~and equipment~~ powered by wet batteries, sodium batteries, lithium metal batteries or lithium ion batteries and equipment powered by wet batteries and sodium batteries transported with these batteries installed. Examples of such vehicles ~~and equipment~~ are electrically-powered cars, Examples of such equipment powered by sodium or wet batteries are [motorbikes, scooters, E-bikes] lawnmowers, wheelchairs or other mobility aids, equipment powered by lithium metal batteries or lithium ion batteries shall be consigned under the entries UN 3091”

LITHIUM METAL BATTERIES CONTAINED IN EQUIPMENT or LITHIUM METAL BATTERIES PACKED WITH EQUIPMENT or UN 3481 LITHIUM ION BATTERIES CONTAINED IN BATTERIES or LITHIUM ION BATTERIES PACKED WITH EQUIPMENT, as appropriate. Hybrid electric vehicles powered by both an internal combustion engine and wet batteries, sodium batteries ~~or lithium batteries~~, lithium metal batteries or lithium ion batteries, transported with the battery(ies) installed shall be consigned under the entries UN 3166 VEHICLE, FLAMMABLE GAS POWERED or UN 3166 VEHICLE, FLAMMABLE LIQUID POWERED, as appropriate. Vehicles which contain a fuel cell shall be consigned under the entries UN 3166 VEHICLE, FUEL CELL, FLAMMABLE GAS POWERED or UN 3166 VEHICLE, FUEL CELL, FLAMMABLE LIQUID POWERED, as appropriate.

5. Consequently, in SP 312 the words “or lithium batteries” should be replaced with “lithium metal batteries or lithium ion batteries” (twice).

6. Add a new special provision to UN 3091 and UN 3481 as follows:
“XXX Vehicles only powered by lithium metal batteries or lithium ion batteries shall be consigned under UN entry 3171 BATTERY POWERED VEHICLE.”

7. Amend the third paragraph of Packing Instruction P 903 as follows:

“When cells and batteries are packed with equipment, they shall be packed in inner fibreboard packagings that meet the requirements for packing group II. When cells and batteries included in Class 9 are contained in equipment, the equipment shall be packed in strong outer packagings constructed of suitable material of adequate strength and design, in relation to the packagings capacity and its intended use. It should be also constructed in such a manner as to prevent accidental operation during transport. Large equipment can be offered for transport unpackaged or on pallets when the battery is afforded equivalent protection by the equipment in which it is contained.“
