PRBA-RECHARGE Proposal on Shipping Used Batteries
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Proposed Special Provision XXX(a) and Proposed Packing Instruction 903a

- Special Provision XXX (a) for “small” used lithium ion/lithium metal cells and batteries
  - Must meet Watt-hour or lithium metal content limitations in Special Provision 188(a) and 188(b)
  - Can be offered together with other used, consumer-type, non-lithium dry cell batteries
  - Packages would require marking: “MAY CONTAIN USED LITHIUM BATTERIES”
  - Not subject to requirements of UN Manual of Tests and Criteria
Packing Instruction 903a (for “small” used cells and batteries)

1) Strong outer packagings which conform to the provisions of 4.1.1.1, 4.1.1.2, and 4.1.1.5 and not exceed 30 kg gross mass (except when contained in equipment);

2) 1H2 drums or 4H2 boxes equivalent to packing group II; or

3) 1A2 drums or 4A boxes fitted with a polyethylene bag and equivalent to packing group II.

Polyethylene bag requires impact resistance of at least 480 grams in both parallel and perpendicular planes with respect to the length of the bag; minimum of 500 microns of thickness with an electrical resistivity of more than 10 Mohms and a water absorption rate over 24 hours at 25 °C lower than 0.01%; shall be closed and may only be used once.

Additional requirement: Cells/batteries shall be designed, discharged or packed in such a way to protect from short circuits that could lead to a dangerous evolution of heat or fire.
Proposed Special Provision XXX(b) and Proposed Packing Instruction 903b

- **Special Provision  XXX (b)**
  - Applies to “large“ used lithium ion and lithium metal cells and batteries
  - Must meet conditions of Packing Instruction 903b
  - Cells and batteries not subject to requirements of Special Provision 230 of UN Model Regulations
Proposed Special Provision XXX(b) and Proposed Packing Instruction 903b

- **Packing Instruction 903b**
  - Packing group II packaging (except when contained in equipment)
  - Undamaged cells and batteries with strong, impact resistant outer casings of a gross mass of 12 kg or more and assemblies of such batteries, may be packed in strong outer packagings, in protective enclosures unpackaged or on pallets.

- **Additional requirement:** Cells/batteries shall be designed, discharged or packed in such a way to protect from short circuits that could lead to a dangerous evolution of heat or fire.