

**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 3 of the provisional agenda

Listing, classification and packing

Revision of packing instruction P801 – Revision of 2017/44

Transmitted by the expert from Canada

Proposal

15. The proposed revised P801 packing instruction is divided in two parts;

- (a) The first part establishes the provisions applicable to batteries transported in rigid outer packagings, wooden slatted crates or on pallets; and
- (b) The second part establishes the provisions applicable to used batteries transported in metal or solid plastic bins.

The proposed Packing instruction P801 would read as follows with new text underline and deleted text ~~strikethrough~~:

P801	PACKING INSTRUCTION	P801
This instruction applies to batteries assigned to UN Nos. 2794, 2795 or 3028.		
(1) Batteries shall be packed in accordance with the following:		
The following packagings are authorized		
(1) Packagings meeting provided that the general provisions of 4.1.1 (except for 4.1.1.3) and 4.1.3 are met:		
<ul style="list-style-type: none"> 1. <u>a) Rigid outer packagings;</u> 2. <u>b) Wooden slatted crates;</u> 3. <u>c) Pallets.</u> 		
1. i. Batteries shall be protected against short circuits;		
<ul style="list-style-type: none"> 1.i. <u>Batteries stacked shall be adequately secured in tiers separated by a layer of non-conductive material;</u> 2.ii. <u>Battery terminals shall not support the weight of other superimposed elements;</u> 3.iii. <u>Batteries shall be packaged or secured to prevent inadvertent movement; and</u> 4. <u>Batteries shall must not leak under normal conditions of transport or appropriate measures shall be taken to must be made leakproof by individually packaging them or by any other equally effective method to prevent leakage from the packaging the release of electrolyte (e.g. individually packaging batteries or other effective methods)</u> 		
<ul style="list-style-type: none"> iv. <u></u> 		

~~Used storage batteries may also be transported loose in stainless steel or plastics battery boxes capable of containing any free liquid.~~

1. ~~(2)~~ In addition, used batteries may be transported in metal or solid plastic bins provided that the general provisions of 4.1.1 (except for 4.1.1.3) and 4.1.3 and these additional provisions are met:
- (a) The bins shall be resistant to the electrolyte contained in the batteries;
 - (b) The outside of the bins shall be free of residues of electrolyte contained in the batteries;
 - (c) The bins shall not be filled to a height greater than the height of their sides;
 - (d) Under normal conditions of transport, no electrolyte shall leak from the bins; and
 - (e) The bins shall be secured in the means of transport so that they cannot fall over and lose content under normal conditions of transport. Bins may be fitted with covers or lids. ~~either:~~
 - (i) Covered; or
 - (ii) Transported inside a closed cargo transport unit.
 - (f) No battery containing substances or other dangerous goods which may react dangerously with one another shall be placed a bin.

Additional requirements:

- 1. Measures shall be taken to prevent short circuits. Batteries shall be protected against short circuits.
- ~~2. Batteries stacked shall be adequately secured in tiers separated by a layer of non-conductive material.~~
- ~~3. Battery terminals shall not support the weight of other superimposed elements.~~
- ~~4. Batteries shall be packaged or secured to prevent inadvertent movement.~~

16. A consequential amendment to Special packing provision PP16 in packing instruction P003 will be required to permit the transport of used UN2800 batteries in metal or solid plastic bins in accordance with packing instruction P801(2).

The proposed Special packing provision PP16 would read as follows with new text underline:

PP16 “For UN2800, batteries shall be protected from short circuit within the packaging. Used batteries may be transported in accordance with packing instruction P801(2).”
