

**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

28 June 2018

**Fifty-third session**

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Item 3 of the provisional agenda

**Listing, classification and packing**

**Revision of packing instruction P801 – Revision of 2018/21**

**Transmitted by the expert from Canada**

**Proposal**

1. 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 stainless steel or plastics bins.

P801	PACKING INSTRUCTION	P801
This instruction applies to UN Nos. 2794, 2795 or 3028		
The following packagings are authorized, provided that the provisions of 4.1.1.1, 4.1.1.2, 4.1.1.6, and 4.1.3 are met:		
<ol style="list-style-type: none"> <li>(1) <u>Rigid outer packagings, wooden slatted crates or pallets.</u></li> <li><del>(2) Wooden slatted crates;</del></li> <li><del>(3) Pallets.</del></li> </ol> <p>Additionally, the following conditions shall be met:</p> <ol style="list-style-type: none"> <li>(a) Batteries stacks shall be in tiers separated by a layer of electrically non-conductive material;</li> <li>(b) Battery terminals shall not support the weight of other superimposed elements;</li> <li>(c) Batteries shall be packaged or secured to prevent inadvertent movement;</li> <li>(d) Batteries shall not leak under normal conditions of transport or appropriate measures shall be taken to prevent the release of electrolyte from the package (e.g. individually packaging batteries or other equally effective methods); and</li> <li>(e) Batteries shall be protected against short circuits.</li> </ol> <p><del>(4)</del>(2) Stainless steel or plastics bins may <u>also</u> be used to transport used batteries.</p> <p>Additionally, the following conditions shall be met:</p> <ol style="list-style-type: none"> <li>(a) The bins shall be resistant to the electrolyte <u>that was</u> contained in the batteries;</li> <li>(b) The bins shall not be filled to a height greater than the height of their sides;</li> <li>(c) The outside of the bins shall be free of residues of electrolyte contained in the batteries;</li> <li>(d) Under normal conditions of transport, no electrolyte shall leak from the bins;</li> <li>(e) Measures shall be taken to ensure that filled bins cannot lose their content; and</li> <li>(f) Measures shall be taken to prevent short circuits (<u>e.g. batteries are discharged, individual protection of the battery terminals, etc.</u>).</li> </ol>		

9. Amend special provision PP16 in packing instruction P003 in 4.1.4.1 of Chapter 4.1 to read as follows (new text is underlined):

~~“PP16 — “For UN2800, batteries shall be protected from short circuit within the packaging. Used batteries may be transported in accordance with packing instruction P801 (4).”~~

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