



**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****Thirty-seventh session**

Geneva, 21–30 June

Item 4 of the provisional agenda

Electric storage systems**Packagings for large lithium batteries****Transmitted by the Portable Rechargeable Battery Association
(PRBA)¹****Introduction**

1. The development of large lithium ion batteries, for applications such as electric vehicles, has created a need for new packaging provisions for these large batteries and battery assemblies when they have a gross mass of more than 400 kg and are not encased in a strong impact resistant outer casing. Packing Instruction 903 provides for lithium batteries in packagings of up to 400 kg gross mass subject to the requirements in Chapter 6.1 and permits batteries of more than 12 kg with a strong impact resistant outer casing to be packed in a strong outer packaging, in protective enclosures unpackaged or on pallets.

2. PRBA proposes that such batteries and battery assemblies not in strong outer casings be allowed to be transported in large packagings. On this basis PRBA proposes:

(a) To insert “LP903” in column 8 of the Dangerous Goods list against UN 3090 and UN 3480; and

(b) To insert a new LP903 packing instruction in 4.1.4.3 to read as follows:

¹ In accordance with the programme of work of the Sub-Committee for 2009–2010 approved by the Committee at its fourth session (refer to ST/SG/AC.10/C.3/68, para. 118 (a) and ST/SG/AC.10/36, para. 14).

LP903	PACKING INSTRUCTION	LP903
This instruction applies to UN Nos. 3090 and 3480.		
The following large packagings are authorized, provided that the general provisions of 4.1.1 and 4.1.3 are met:		
Packagings conforming to packing group II performance level. Batteries or battery assemblies shall be secured to prevent inadvertent movement, and terminals shall not support the weight of superimposed elements.		
Batteries employing a strong, impact resistant outer casing of a gross mass of 12 kg or more, and assemblies of such batteries, may be packed in strong outer packagings, in protective enclosures (e.g., in fully enclosed or wooden slatted crates) unpackaged or on pallets.		
