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**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****Forty-second session**

Geneva, 3–11 December 2012

Item 2(b) of the provisional agenda

**Recommendations made by the Sub-Committee at its  
thirty-ninth, fortieth and forty-first sessions and  
pending issues: listing, classification and packing****Assignment of packing groups to articles****Transmitted by the International Air Transport Association (IATA)<sup>1</sup>****Introduction**

1. At the forty-first session IATA presented a proposal to revise the dangerous goods list to remove reference to packing groups for articles (ST/SG/AC.10/C.3/2012/34).
2. There was a general agreement that there was no reason to assign articles to packing groups in the dangerous goods list, as the danger was not related only to the nature of the contained substance.
3. Based on this agreement IATA was requested to verify that the proposal covered all the articles mentioned in the list and that, as necessary, the required performance levels for the packagings were specified in the packing instructions in question and to submit a new proposal at this session.
4. Following the session a full review has been conducted of the dangerous goods list to identify all articles and to identify if they have a packing group assigned. This review identified three articles that were not shown in the original proposal in ST/SG/AC.10/C.3/2012/34. These are UN 2870, ALUMINIUM BOROHYDRIDE IN DEVICES; UN 3165, AIRCRAFT HYDRAULIC UNIT FUEL TANK (containing a

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<sup>1</sup> In accordance with the programme of work of the Sub-Committee for 2011-2012 approved by the Committee at its fifth session (refer to ST/SG/AC.10/C.3/76, para. 116 and ST/SG/AC.10/38, para. 16).

mixture of anhydrous hydrazine and methylhydrazine) (M86 fuel) and UN 3506, MERCURY CONTAINED IN MANUFACTURED ARTICLES.

5. The first and second items, UN 2870 and UN 3506 have been included in the proposal below to remove reference to the packing group in column 5. UN 2870 is assigned to P002, which requires the use of specification packagings and in addition is assigned PP13 which requires the use of combination packagings meeting the packing group I performance level.

6. UN 3506 is assigned to packing instruction P003 and as such does not require specification packagings. Therefore it is believed that the assignment of PG III serves no safety purpose.

7. For UN 3165 there is some doubt as to whether these articles are still in widespread use. Initial investigation with Airbus and Boeing indicates that these units are not installed in their commercial aircraft, although there may be some military applications but this has not yet been confirmed.

8. Given the likely limited movement in transport it is proposed for the time being to leave this entry as is, with PG I assigned. If following more complete investigation it can be determined that these articles are no longer in transport it may be proposed in the next biennium that the entry be deleted.

## Proposal

9. Revise the dangerous goods list as follows:

UN No.	Name and description	Class or division	Subsidiary risk	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs	
						(7a)	(7b)	(8)	(9)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)
2870	ALUMINIUM BOROHYDRIDE IN DEVICES	4.2	4.3	I		0	E0	P002	PP13
3090	LITHIUM METAL BATTERIES (including lithium alloy batteries)	9		II	188 230 310	0	E0	P903	
3091	LITHIUM METAL BATTERIES CONTAINED IN EQUIPMENT or LITHIUM METAL BATTERIES PACKED WITH EQUIPMENT (including lithium alloy batteries)	9		II	188 230 360	0	E0	P903	

UN No.	Name and description	Class or division	Subsidiary risk	UN packing group	Special provisions	Limited and excepted quantities	Packagings and IBCs	
							Packing instruction	Special packing provisions
3268	AIR BAG INFLATORS, or AIR BAG MODULES, or SEAT-BELT PRETENSIONERS†	9		Ⓓ	280 289	0 E0	P902 LP902	
3292	BATTERIES, CONTAINING SODIUM, or CELLS CONTAINING SODIUM	4.3		Ⓓ	239	0 E0	P408	
3356	OXYGEN GENERATOR, CHEMICAL †	5.1		Ⓓ	284	0 E0	P500	
3480	LITHIUM ION BATTERIES (including lithium ion polymer batteries)	9		Ⓓ	188 230 310 348	0 E0	P903	
3481	LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT or LITHIUM ION BATTERIES PACKED WITH EQUIPMENT (including lithium ion polymer batteries)	9		Ⓓ	188 230 348 360	0 E0	P903	
3506	MERCURY CONTAINED IN MANUFACTURED ARTICLES	8	6.1	Ⓔ	366	5 kg E0	P003 PP90	

10. Revise paragraph 2.0.1.3 as follows:

“2.0.1.3 For packing purposes, substances other than those of Classes 1, 2 and 7, divisions 5.2 and 6.2 and other than self-reactive substances of Division 4.1 are assigned to three packing groups in accordance with the degree of danger they present:

Packing group I: Substances presenting high danger;

Packing group II: Substances presenting medium danger; and

Packing group III: Substances presenting low danger.

The packing group to which a substance is assigned is indicated in the Dangerous Goods List in Chapter 3.2.

Articles assigned to Classes 3, 4, 8 and 9 and Divisions 5.1 and 6.1 are not assigned packing groups. For packing purposes any requirement for a specific packaging performance level is set out in the packing instruction applicable.”

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