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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-fifth session

Geneva, 23 June 2 July 2014

Draft report

Annex

Adopted texts

Addendum

**Draft amendments to the 18th revised edition of the
UN Recommendations on the Transport of Dangerous Goods,
Model Regulations**

Chapter 3.2, Dangerous goods list

For UN Nos. 3091 and 3481, insert “310” in column (6).

(Reference document: informal document INF.62/Rev.1)

Chapter 3.3

3.3.1 Add the following second sentence: “Where a special provision includes a requirement for package marking, the provisions of 5.2.1.2 (a)-(d) shall be met. If the required mark is in the form of specific wording indicated between speech marks (“), such as “Damaged Lithium Batteries”, the minimum size of the mark shall be at least 12 mm, unless otherwise indicated in the special provision or elsewhere in these Regulations.”

(Reference document: ST/SG/AC.10/C.3/2014/58 as amended)

3.3, SP204 At the end, add a new paragraph to read as follows:

GE.14-06861 (E)



* 1 4 0 6 8 6 1 *

Please recycle 



“Articles containing smoke-producing substance(s) toxic by inhalation according to the criteria for Class 6.1 shall be labelled with a “TOXIC” subsidiary risk label (Model No 6.1, see 5.2.2.2.2).”.

(Reference document: ST/SG/AC.10/C.3/2014/3 as amended)

3.3, SP310 Amend to read as follows:

“310 The testing requirements in Chapter 38.3 of the Manual of Tests and Criteria do not apply to production runs consisting of not more than 100 cells and batteries, or to pre-production prototypes of cells and batteries when these prototypes are transported for testing, if the following conditions are met:

(a) Cells and batteries including when packed with equipment:

- (i) The cells or batteries are transported in an outer packaging that is a metal (1A, 1B, 1N), plastics (1H) or plywood (1D) drum or a metal (3A, 3B) or plastics (3H) jerrican or a metal (4A, 4B, 4N), plastics (4H) or wooden (4C, 4D, 4F) box or a metal (50A, 50B, 50N), plastics (50H) or wooden (50C, 50D, 50F) large packaging that meets the requirements of 4.1.1.3. at the packing Group II performance level;

Batteries and cells, including equipment, of different sizes, shapes or masses may be packaged in an outer packaging of a tested ~~and~~ design type listed above provided the total gross mass of the package does not exceed the mass for which the design type has been tested;

- (ii) Each cell or battery is individually packed in an inner packaging inside an outer packaging;
- (iii) Each inner packaging shall be completely surrounded by sufficient non-combustible and non-conductive thermal insulation material to protect against a dangerous evolution of heat;
- (iv) Appropriate measures shall be taken to minimize the effects of vibration and shocks and prevent movement of the cells or batteries within the package that may lead to damage and a dangerous condition during transport. When cushioning material is used to meet this requirement it shall be non-combustible and non-conductive;
- (v) Non-combustibility shall be assessed according to a standard recognized in the country where the packaging is designed or manufactured;
- (vi) The cells and batteries are protected against short circuit; and
- (vii) A cell or battery with a net mass of more than 30 kg shall be limited to one cell or battery per outer packaging.

(b) Cells and batteries contained in equipment:

- (i) The equipment is transported in an outer packaging that is a metal (1A, 1B, 1N), plastics (1H) or plywood (1D) drum or a metal (3A, 3B) or plastics (3H) jerrican or a metal (4A, 4B, 4N), plastics (4H) or wooden (4C, 4D, 4F) box or a metal (50A, 50B, 50N), plastics (50H) or wooden (50C, 50D, 50F) large packaging that meets the requirements of 4.1.1.3 at the packing Group II performance level;

Equipment of different sizes, shapes and masses may be packaged in an outer packaging of a tested design type listed above provided the total gross mass of the package does not exceed the mass for which the design type has been tested;

- (ii) The equipment is constructed or packaged in such a manner as to prevent accidental operation during transport;
 - (iii) Appropriate measures shall be taken to minimize the effects of vibration and shocks and prevent movement of the cells or batteries within the package that may lead to damage and a dangerous condition during transport. When cushioning material is used to meet this requirement it shall be non-combustible and non-conductive;
 - (iv) Non-combustibility shall be assessed according to a standard recognized in the country where the packaging is designed or manufactured; and
 - (v) The cells and batteries are protected against short circuit.
- (c) The equipment or the batteries may be transported unpackaged under conditions specified by the competent authority. Additional conditions that may be considered in the approval process include, but are not limited to:
- (i) The equipment or the battery shall be strong enough to withstand the shocks and loadings normally encountered during transport, including trans-shipment between cargo transport units and between cargo transport units and warehouses as well as any removal from a pallet for subsequent manual or mechanical handling; and
 - (ii) The equipment or the battery shall be fixed in cradles or crates or other handling devices in such a way that they will not become loose during normal conditions of transport.
- (d) Identified damaged or defective cells and batteries shall be transported in accordance with special provision 376 and packaged in accordance with P908 of 4.1.4.1 or LP904 of 4.1.4.3, as applicable.”.

(Reference document: informal document INF.62/Rev.1 as amended)

Chapter 4.1

4.1.1.18 Amend the heading to read as follows: “*Use of salvage packagings and large salvage packagings*”

(Reference document: ST/SG/AC.10/C.3/2014/19)

4.1.1.18.1 In the first sentence, insert “and 6.6.5.1.9” after “6.1.5.1.11”. Amend the second sentence to read as follows: “This does not prevent the use of a larger size packaging or large packaging of appropriate type and performance level under the conditions of 4.1.1.18.2 and 4.1.1.18.3.”.

(Reference document: ST/SG/AC.10/C.3/2014/19 as amended)

4.1.4.1, packing instruction 137 In special packing provision PP70, replace “THIS SIDE UP” by “... the package be marked in accordance with 5.2.1.7.1”.

(Reference document: ST/SG/AC.10/C.3/2014/58)

Chapter 6.5

6.5.2.2.4 Amend the beginning of the first sentence to read as follows: “Inner receptacles that are of composite IBC design type shall be identified by the application of the markings...”, remainder unchanged.

(Reference document: ST/SG/AC.10/C.3/2014/26)

6.5.2.2.4 Renumber the existing Note as Note 1. Add a new Note 2 to read as follows:

“NOTE 2: The date of manufacture of the inner receptacle may be different from the marked date of manufacture (see 6.5.2.1), repair (see 6.5.4.5.3) or remanufacture (see 6.5.2.4) of the composite IBC.”.

(Reference document: ST/SG/AC.10/C.3/2014/26)

Corrections to the 18th revised edition of the UN Recommendations on the Transport of Dangerous Goods, Model Regulations

Chapter 5.3

5.3.1.2.1 Correction does not apply to the English text.

(Reference document: informal document INF.60)
