

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

5 December 2014

Forty-sixth session

Geneva, 1 – 9 December 2014

Item 2 (e) of the provisional agenda

Recommendations made by the Sub-Committee on its forty-third, forty-fourth and forty-fifth sessions and pending issues: miscellaneous pending issues

Lithium batteries and hazard communication – Comments on ST/SG/AC.10/C.3/2014/89

Transmitted by the International Air Transport Association (IATA)

1. In the Dangerous Goods List in Chapter 3.2, add Special Provision CCC against the following UN numbers in column (6): 3090, 3091, 3480 and 3481.
2. Amend Special Provision 188, subparagraph (f) to read (new text underlined):

(f) Each package shall be marked with the appropriate lithium battery mark, as illustrated at 5.2.1.9:

NOTE: The provisions concerning marking in Special Provision 188 of the eighteenth revised edition of the Recommendations on the Transport of Dangerous Goods, Model regulations may continue to be applied until 31 December 2018.

~~(i) — an indication that the package contains “lithium metal” or “lithium ion” cells or batteries, as appropriate;~~

~~(ii) — an indication that the package shall be handled with care and that a flammability hazard exists if the package is damaged;~~

~~(iii) — an indication that special procedures shall be followed in the event the package is damaged, to include inspection and repacking if necessary; and~~

~~(iv) — a telephone number for additional information;~~

This requirement does not apply to:

(i) packages containing only button cell batteries installed in equipment (including circuit boards); and

(ii) packages containing no more than four cells or two batteries installed in equipment, where there are not more than two packages in the consignment;

~~(g) — Each consignment of one or more packages marked in accordance with paragraph (f) shall be accompanied with a document including the following:~~

~~(i) — an indication that the package contains “lithium metal” or “lithium ion” cells or batteries, as appropriate;~~

~~(ii) — an indication that the package shall be handled with care and that a flammability hazard exists if the package is damaged;~~

~~(iii) — an indication that special procedures shall be followed in the event the package is damaged, to include inspection and repacking if necessary; and~~

- (iv) a telephone number for additional information;
 - (hg) Except when lithium batteries are installed in equipment, each package shall be capable of withstanding a 1.2 m drop test in any orientation without damage to cells or batteries contained therein, without shifting of the contents so as to allow battery to battery (or cell to cell) contact and without release of contents; and
 - (ih) Except when lithium batteries are installed in or packed with equipment, packages shall not exceed 30 kg gross mass.
3. At 3.3.1, add a new Special Provision CCC, to read:

“CCC The label to be used is No. 9A, see 5.2.2.2.2.

NOTE: The Class 9 label (No. 9) of the eighteenth revised edition of the Recommendations on the Transport of Dangerous Goods, Model regulations may continue to be applied until 31 December 2018.”

4. Insert new 5.2.1.9, to read as follows:

5.2.1.9 Lithium battery mark

5.2.1.9.1 Packages containing lithium cells or batteries prepared in accordance with Special Provision 188 shall be marked as shown in Figure xxx.

5.2.1.9.2 The mark shall indicate the UN number, ‘UN 3090’ for lithium metal cells or batteries or ‘UN 3480’ for lithium ion cells or batteries. Where the lithium cells or batteries are contained in, or packed with, equipment, the UN number ‘UN 3091’ or ‘UN 3481’ as appropriate shall be indicated. Where a package contains lithium cells or batteries assigned to different UN numbers, all applicable UN numbers shall be indicated on one or more marks.



Fig. XXX

Lithium battery mark

***** Place for UN number(s)

****** Place for telephone number [if not shown elsewhere on the package]

The mark shall be in the form of a rectangle with hatched edging. The dimensions shall be a minimum of 120 mm wide x 110 mm high and the minimum width of the hatching shall be

5mm. The symbol (group of batteries, one damaged and emitting flame, over the UN number for lithium ion or lithium metal batteries or cells) shall be black on white. The hatching shall be red. If the size of the package so requires, the dimensions/line thickness may be reduced to not less than 105 mm wide x 74 mm high. Where dimensions are not specified, all features shall be in approximate proportion to those shown.'

5. In 5.2.2.2.1.1, amend the text under Figure 5.2.5 as follows:

** Additional text/numbers/letters/symbol shall (if mandatory) or may (if optional) be shown in the bottom half

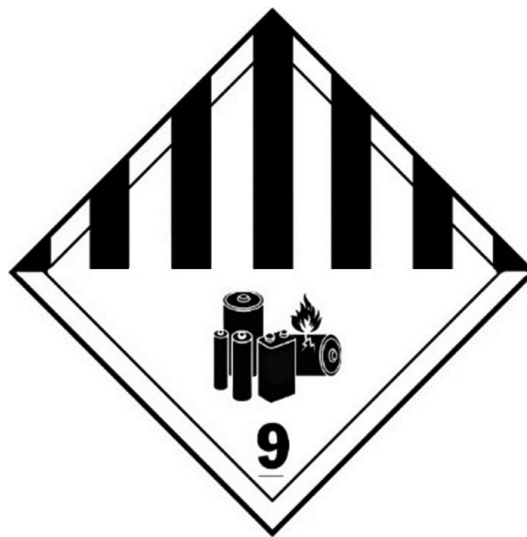
6. In 5.2.2.2.1.3, amend the text as follows:

5.2.2.2.1.3 With the exception of labels for divisions 1.4, 1.5 and 1.6 of Class 1, the upper half of the label shall contain the pictorial symbol and the lower half shall contain the class or division number 1, 2, 3, 4, 5.1, 5.2, 6, 7, 8 or 9 as appropriate. The label may include such text as the UN number, or words describing the hazard class (e.g. "flammable") or for label No. 9A the symbol in accordance with 5.2.2.2.1.5 provided that the text does not obscure or detract from the other required label elements.

7. Amend 5.2.2.2.1.5 as follows:

5.2.2.2.1.5 On labels other than those for material of Class 7 and for label No. 9A, the insertion of any text (other than the class or division number) in the space below the symbol shall be confined to particulars indicating the nature of the risk and precautions to be taken in handling.

8. At 5.2.2.2.2, under CLASS 9 Miscellaneous dangerous substances and articles, including environmentally hazardous substances, after the generic Class 9 label, add the following:



(No.9A)

Symbol (seven vertical black stripes in upper half; battery group, one broken and emitting flame in lower half): black;

Background: white;

Figure "9" underlined in bottom corner'