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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**

**Fifty-fourth session**

Geneva, 26 November-4 December 2018

Item 2 (a) of the provisional agenda **Recommendations made by the Sub-Committee on its fifty-first,**

**fifty-second and fifty-third sessions and pending issues:**

**review of draft amendments already adopted during the biennium**

 Consolidated list of adopted texts

Note by the secretariat[[1]](#footnote-2)\*

This document contains draft corrections to the twentieth revised edition of the Recommendations on the Transport of Dangerous Goods, Model Regulations (ST/SG/AC.10/1/Rev.20) which were adopted by the Sub-Committee on its fifty-first, fifty-second and fifty-third sessions.

 Corrections to the twentieth revised edition of the Recommendations on the Transport of Dangerous Goods, Model Regulations (ST/SG/AC.10/1/Rev.20)

 Chapter 1.2, 1.2.1 definitions

 Not applicable to the English text.

 *(Reference document: ST/SG/AC.10/C.3/106/Add.1)*

 Chapter 1.4, 1.4.3.2.1, in the Note, last sentence

*For* markings *read* marks

*(Reference document: ST/SG/AC.10/C.3/102/Add.1)*

 Chapter 2.0, 2.0.0.1

 Not applicable to the English text.

 *(Reference document: ST/SG/AC.10/C.3/106/Add.1)*

 Chapter 2.0, 2.0.5, heading

For the existing text, *substitute*

**2.0.5 Classification of articles as articles containing dangerous goods, N.O.S.**

*(Reference document: ST/SG/AC.10/C.3/102/Add.1)*

 Chapter 2.0, 2.0.5.1, first sentence

*For* may be transported *read* may be classified

*(Reference document: ST/SG/AC.10/C.3/102/Add.1)*

 Chapter 2.0, 2.0.5.6

For the existing text, *substitute*

2.0.5.6 Subsidiary hazards shall be representative of the primary hazard posed by the other dangerous goods contained within the article. When only one item of dangerous goods is present in the article, the subsidiary hazard(s), if any, shall be the subsidiary hazard(s) identified in column (4) of the Dangerous Goods List. If the article contains more than one item of dangerous goods and these could react dangerously with one another during transport, each of the dangerous goods shall be enclosed separately (see 4.1.1.6).

*(Reference document: ST/SG/AC.10/C.3/102/Add.1)*

 Chapter 2.1, 2.1.3.5.5, Note 2

*For* firework *read* fireworks

*(Reference document: ST/SG/AC.10/C.3/102/Add.1)*

 Chapter 2.3, 2.3.1.3

Not applicable to the English text.

*(Reference document: ST/SG/AC.10/C.3/106/Add.1)*

 Chapter 2.6, Note under 2.6.2.2.4.1

*For* 2.8.2.3 *read* 2.8.2.4

*(Reference document: ST/SG/AC.10/C.3/106/Add.1)*

 Chapter 2.8, 2.8.3.2

*For* the grouping shall be based *read* the assignment shall be based

*(Reference document: ST/SG/AC.10/C.3/104/Add.1)*

 Chapter 2.8, 2.8.4.3.5

*For* $\frac{PGx1}{GCL}+\frac{PGx2}{SCL2}+…+ \frac{PGxi}{SCLi} \geq 1$

*read* $\frac{PGx\_{1}}{GCL}+ \frac{PGx\_{2}}{SCL\_{2}}+…+\frac{PGx\_{i}}{SCL\_{i}}\geq 1$

*For* PGxi *read* PGxi

*For* SCLi *read* SCLi

*(Reference document: ST/SG/AC.10/C.3/102/Add.1)*

 Chapter 3.2, Dangerous goods list, for UN Nos. 3090, 3091, 3480 and 3481, in column (6)

*Insert* P911

*Insert* LP905 LP906

*(Reference document: ST/SG/AC.10/C.3/102/Add.1)*

 Chapter 3.2, UN Nos. 3101 to 3120, in column (6)

*Delete* 323

*(Reference document: ST/SG/AC.10/C.3/106/Add.1)*

 Chapter 3.2, 3.2.1, Dangerous Goods List, for UN 3543, in column (2)

*For* ARTICLES CONTAINING A SUBSTANCE WHICH EMITS FLAMMABLE GAS IN CONTACT WITH WATER, N.O.S.

*read* ARTICLES CONTAINING A SUBSTANCE WHICH IN CONTACT WITH WATER EMITS FLAMMABLE GASES, N.O.S.

*(Reference document: ST/SG/AC.10/C.3/104/Add.1)*

 Chapter 3.3, special provision 188 (c)

For 9.2.4 (a) and (e) read 2.9.4 (a), (e), (f) if applicable and (g)

*(Reference document: ST/SG/AC.10/C.3/102/Add.1)*

 Chapter 3.3, special provision 251, second paragraph

Not applicable to the English text.

*(Reference document: ST/SG/AC.10/C.3/106/Add.1)*

 Chapter 3.3, special provision 301, first paragraph, last sentence

For the existing text, *substitute*

When it is required to ensure liquid dangerous goods remain in their intended orientation, orientation arrows shall be displayed on at least two opposite vertical sides with the arrows pointing in the correct direction in accordance with 5.2.1.7.1.

*(Reference document: ST/SG/AC.10/C.3/102/Add.1)*

 Chapter 3.3, special provision 323

*Delete* and add Deleted.

*(Reference document: ST/SG/AC.10/C.3/106/Add.1)*

 Chapter 3.3, special provision 341

Not applicable to the English text.

*(Reference document: ST/SG/AC.10/C.3/106/Add.1)*

 Chapter 3.3, special provision 388, in the second, third and seventh paragraphs

*For* consigned under the entries *read* assigned to the entries

*(Reference document: ST/SG/AC.10/C.3/102/Add.1)*

 Chapter 3.3, special provision 388, fourth paragraph

 Not applicable to the English text.

*(Reference document: ST/SG/AC.10/C.3/102/Add.1)*

 Chapter 3.3, special provision 388, fourth paragraph

Not applicable to English

*(Reference document: ST/SG/AC.10/C.3/106/Add.1)*

 Chapter 3.3, special provision 389, first paragraph

*For* 2.9.4 (a) to (e) *read* 2.9.4 (a) to (g)

*(Reference document: ST/SG/AC.10/C.3/102/Add.1)*

 Chapter 3.3, special provision 392, in the table, for ECE Regulation No. 110, in the second column

For the existing text, *substitute*

Uniform provisions concerning the approval of:

I. Specific components of motor vehicles using compressed natural gas (CNG) and/or liquefied natural gas (LNG) in their propulsion system

II. Vehicles with regard to the installation of specific components of an approved type for the use of compressed natural gas (CNG) and/or liquefied natural gas (LNG) in their propulsion system

*(Reference document: ST/SG/AC.10/C.3/102/Add.1)*

 Chapter 3.3, special provision 392 (c), second sentence

For the existing text, *substitute*:

If only one valve exists or only one valve works, all openings with the exception of the opening of the pressure relief device shall be closed as to be gastight under normal conditions of transport;

*(Reference document: ST/SG/AC.10/C.3/104/Add.1)*

 Alphabetical index

*For* ARTICLES CONTAINING A SUBSTANCE WHICH EMITS FLAMMABLE GAS IN CONTACT WITH WATER, N.O.S.

*read* ARTICLES CONTAINING A SUBSTANCE WHICH IN CONTACT WITH WATER EMITS FLAMMABLE GASES, N.O.S.

*(Reference document: ST/SG/AC.10/C.3/104/Add.1)*

 Chapter 4.1, packing instruction P006

 Not applicable to the English text.

*(Reference document: ST/SG/AC.10/C.3/106/Add.1)*

 Chapter 4.1, 4.1.4.1, packing instruction P200, (3) (a), (3) (b), (3) (b) (i) and (3) (d)

*For* (4) *read* (5)

*(Reference document: ST/SG/AC.10/C.3/102/Add.1)*

 Chapter 4.1, 4.1.4.1, P410, table note (d)

For the existing text *substitute*

**d** *For packing group II substances, these packagings may only be used when transported in a closed cargo transport unit.*

*(Reference document: ST/SG/AC.10/C.3/102/Add.1)*

 Chapter 4.1, 4.1.4.1, P520, PP94, 4.

*For* grammes *read* grams

*(Reference document: ST/SG/AC.10/C.3/102/Add.1)*

 Chapter 4.1, 4.1.4.1, P520, PP95, 5.

*For* grammes *read* grams

*(Reference document: ST/SG/AC.10/C.3/102/Add.1)*

 Chapter 4.1, 4.1.4.1, P907, after the heading row

*Insert* the following new row

|  |
| --- |
| This instruction applies to UN 3363. |

*(Reference document: ST/SG/AC.10/C.3/102/Add.1)*

Chapter 4.1, 4.1.4.1, packing instruction P907, second paragraph, second sentence

*For* filling density *read* filling ratio

*(Reference document: ST/SG/AC.10/C.3/104/Add.1)*

 Chapter 4.1, 4.1.4.1, P911, (1)

*For* the packaging has to *read* the packaging shall

*(Reference document: ST/SG/AC.10/C.3/102/Add.1)*

 Chapter 4.1, 4.1.4.1, P911, (1) (b)

*For* No flame will occur *read* No flame shall occur

*(Reference document: ST/SG/AC.10/C.3/102/Add.1)*

 Chapter 4.1, 4.1.4.1, P911, (1) (c)

*For* No projectiles will exit *read* Noprojectiles shall exit

*(Reference document: ST/SG/AC.10/C.3/102/Add.1)*

 Chapter 4.1, 4.1.4.1, P911, table note a, in (b), last sentence

*For* this hazards *read* these hazards

*(Reference document: ST/SG/AC.10/C.3/102/Add.1)*

 Chapter 4.1, 4.1.4.1, P911, table note a, in (c), at the beginning

*For* mitigations effects *read* mitigating effects

*(Reference document: ST/SG/AC.10/C.3/102/Add.1)*

 Chapter 4.1, 4.1.4.1, P911, table note a, in (e)

*For* the higher possible SOC *read* the highest possible SOC

*(Reference document: ST/SG/AC.10/C.3/102/Add.1)*

 Chapter 4.1, 4.1.4.1, P911, table note a, (h)

For the existing text, *substitute*

(h) These scenarios shall be assessed over a period of time long enough to allow all the possible consequences to occur (e.g. 24 hours).

*(Reference document: ST/SG/AC.10/C.3/102/Add.1)*

 Chapter 4.1, packing instruction LP03

 Not applicable to the English text.

*(Reference document: ST/SG/AC.10/C.3/106/Add.1)*

 Chapter 4.1, 4.1.4.3, LP903, second sentence

For the existing text, *substitute*

The following large packagings are authorized for a single battery and for a single item of equipment containing batteries, provided that the general provisions of **4.1.1** and **4.1.3** are met:

*(Reference document: ST/SG/AC.10/C.3/102/Add.1)*

 Chapter 4.1, 4.1.4.3, LP904, first sentence

For the existing text, *substitute*

This instruction applies to single damaged or defective batteries and to single items of equipment containing damaged or defective cells and batteries of UN Nos. 3090, 3091, 3480 and 3481.

*(Reference document: ST/SG/AC.10/C.3/102/Add.1)*

 Chapter 4.1, 4.1.4.3, LP904, second sentence

For the existing text, *substitute*

The following large packagings are authorized for a single damaged or defective battery and for a single item of equipment containing damaged or defective cells and batteries, provided the general provisions of **4.1.1** and **4.1.3** are met.

*(Reference document: ST/SG/AC.10/C.3/102/Add.1)*

 Chapter 4.1, 4.1.4.3, LP905, second row after the heading row

For the existing text, *substitute*

The following large packagings are authorized for a single battery and for a single item of equipment containing cells or batteries, provided that the general provisions of **4.1.1** and **4.1.3** are met:

*(Reference document: ST/SG/AC.10/C.3/102/Add.1)*

 Chapter 4.1, packing instruction LP905, introductory sentence

*For* “cells and batteries” *read* “cells or batteries” (twice).

*(Reference document: ST/SG/AC.10/C.3/106/Add.1)*

 Chapter 4.1, 4.1.4.3, LP905, (2), first line

For the existing text, *substitute*

For a single item of equipment containing cells or batteries:

*(Reference document: ST/SG/AC.10/C.3/102/Add.1)*

 Chapter 4.1, 4.1.4.3, LP906, first row after the heading row

*Delete* single

*(Reference document: ST/SG/AC.10/C.3/102/Add.1)*

 Chapter 4.1, 4.1.4.3, LP906, second row after the heading row, second line

For the existing text, *substitute*

For a single battery and for a single item of equipment containing batteries:

*(Reference document: ST/SG/AC.10/C.3/102/Add.1)*

 Chapter 4.1, 4.1.4.3, LP906, (1), at the beginning

*For* The large packaging has to be capable *read* The large packaging shall be capable

*(Reference document: ST/SG/AC.10/C.3/102/Add.1)*

 Chapter 4.1, 4.1.4.3, LP906, table note a, in (b), last sentence

*For* this hazards *read* these hazards

*(Reference document: ST/SG/AC.10/C.3/102/Add.1)*

 Chapter 4.1, 4.1.4.3, LP906, table note a, in (c), at the beginning

*For* mitigations effects *read* mitigating effects

*(Reference document: ST/SG/AC.10/C.3/102/Add.1)*

 Chapter 4.1, 4.1.4.3, LP906, table note a, in (e)

*For* the higher possible SOC *read* the highest possible SOC

*(Reference document: ST/SG/AC.10/C.3/102/Add.1)*

 Chapter 4.1, 4.1.4.3, LP906, table note a, in (f), at the end

*For* the packaging *read* the large packaging

*(Reference document: ST/SG/AC.10/C.3/102/Add.1)*

 Chapter 4.1, 4.1.4.3, LP906, table note a, (h)

For the existing text, *substitute*

(h) These scenarios shall be assessed over a period of time long enough to allow all the possible consequences to occur (e.g. 24 hours).

*(Reference document: ST/SG/AC.10/C.3/102/Add.1)*

 Chapter 4.2, 4.2.5.3, portable tank special provision TP10, second sentence

*For* beyond the date of expiry of the last testing *read* beyond that date

*(Reference document: ST/SG/AC.10/C.3/104/Add.1)*

 Chapter 5.2, 5.2.1.7.1

For the existing text, *substitute*

5.2.1.7.1 Except as provided in 5.2.1.7.2:

- Combination packagings having inner packagings containing liquid dangerous goods;

- Single packagings fitted with vents;

- Cryogenic receptacles intended for the transport of refrigerated liquefied gases; and

- Machinery or apparatus containing liquid dangerous goods when it is required to ensure the liquid dangerous goods remain in their intended orientation (see special provision 301 of chapter 3.3),

…

*(Reference document: ST/SG/AC.10/C.3/102/Add.1)*

 Chapter 5.2, 5.2.2.1.13.1, at the beginning

*For* Packages containing dangerous goods in articles and dangerous goods in articles transported unpackaged *read* Packages containing articles or articles transported unpackaged

*(Reference document: ST/SG/AC.10/C.3/102/Add.1)*

 Chapter 5.2, 5.2.2.2.2, table, for label model No 7A, second column

*For* Category I *read* Category I – WHITE

*(Reference document: ST/SG/AC.10/C.3/104/Add.1)*

 Chapter 5.2, 5.2.2.2.2, table, for label model No 7B, second column

*For* Category II *read* Category II – YELLOW

*(Reference document: ST/SG/AC.10/C.3/104/Add.1)*

 Chapter 5.2, 5.2.2.2.2, table, for label model No 7C, second column

*For* Category III *read* Category III – YELLOW

*(Reference document: ST/SG/AC.10/C.3/104/Add.1)*

 Chapter 5.3, 5.3.1.1.2 (b)

*Delete* and bulk containers

*(Reference document: ST/SG/AC.10/C.3/104/Add.1)*

 Chapter 5.3, 5.3.2.2, second paragraph, second sentence

Not applicable to the English text

*(Reference document: ST/SG/AC.10/C.3/106/Add.1)*

 Chapter 5.4, 5.4.1.5.5, at the beginning

*Delete* of Division 4.1

*(Reference document: ST/SG/AC.10/C.3/102/Add.1)*

 Chapter 6.2, 6.2.2.1.8, table, Note for ISO 21172-1:2015

*For* irrespective or section *read* irrespective of section

*(Reference document: ST/SG/AC.10/C.3/102/Add.1)*

 Chapter 7.1, 7.1.5.3.5, in the table, for Portable tanks, second column

*For* < 50 °C *read* ≤ 45 °C

*(Reference document: ST/SG/AC.10/C.3/102/Add.1)*

 Appendix A, table, for class 2.1, last row

*For* GAZ *read* GAS

*(Reference document: ST/SG/AC.10/C.3/102/Add.1)*

 Appendix A, in the table, for Division 4.3, for UN 3543, in column “Proper shipping name”

*For* ARTICLES CONTAINING A SUBSTANCE WHICH EMITS FLAMMABLE GAS IN CONTACT WITH WATER, N.O.S.

*read* ARTICLES CONTAINING A SUBSTANCE WHICH IN CONTACT WITH WATER EMITS FLAMMABLE GASES, N.O.S.

*(Reference document: ST/SG/AC.10/C.3/104/Add.1)*

 Appendix B, Glossary of terms, for “Initiation, means of”

*For* significant hazard *read* significant risk

*(Reference document: ST/SG/AC.10/C.3/104/Add.1)*

1. \* In accordance with the programme of work of the Sub-Committee for 2017–2018 approved by the Committee at its eighth session (see ST/SG/AC.10/C.3/100, paragraph 98 and ST/SG/AC.10/44, para. 14). [↑](#footnote-ref-2)