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

Report of the Sub-Committee of Experts on the Transport of
Dangerous Goods on its fiftieth session

held in Geneva from 28 November to 6 December 2016

Addendum

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Annex II


1. Section 1, Table 1.2, for Test series 3, under “Test code”
   For 3 (c) read 3 (c) (i)
   (Reference document: informal document INF.36)

2. Table of contents of Part I, for Test 3 (c) (ii)
   For 13.6.1 read 13.6.2
   (Reference document: informal document INF.36)

3. Section 10, Figure 10.3
   Replace the vertical line leading to box 19 by a downward arrow.
   (Reference document: informal document INF.36)

4. Section 10, Figure 10.8, item 6 (Box 32)
   For Is there nevertheless a small hazard in the event of ignition or initiation?
   read Would the hazard hinder fire-fighting in the immediate vicinity?
   (Reference document: informal document INF.36)

5. Section 11, 11.5.1.2.2, fourth sentence
   For the existing text, substitute
   Calibration involves heating a tube (fitted with a 1.5 mm orifice plate) filled with 27 cm$$^3$$ of dibutyl phthalate or silicone oil of apparent density 0.96 ± 0.02 at 20 °C and heat capacity 1.46 ± 0.02 J/g.K at 25 °C.
   (Reference document: informal document INF.59, annex 3, amendment 1)

6. Section 12, 12.5.1.2.2, fourth sentence
   For the existing text, substitute
   Calibration involves heating a tube (fitted with a 1.5 mm orifice plate) filled with 27 cm$$^3$$ of dibutyl phthalate or silicone oil of apparent density 0.96 ± 0.02 at 20 °C and heat capacity 1.46 ± 0.02 J/g.K at 25 °C.
   (Reference document: informal document INF.59, annex 3, amendment 2)

7. Sub-section 13.4, table under paragraph 13.4.6.5.2, heading of the second column
   For in assembly 2 read in assembly 3
   (Reference document: informal document INF.36)

8. Sub-section 13.5, paragraph 13.5.1.3.4, paragraph number and heading
   For 13.5.1.3.4 Test criteria and method of assessing results
read 13.5.1.4 Test criteria and method of assessing results
(Reference document: informal document INF.36)

9. Sub-section 13.6, paragraph 13.6.1.3.2, third sentence
For procedure given in should read procedure given in 13.6.1.3.3 should
(Reference document: informal document INF.36)

10. Section 16.7, paragraph 16.7.1.4 (b)
For 80 ± 3 g/m² read 80 ± 10 g/m²
(For the English version, correction already included in ST/SG/AC.10/11/Rev.6/Corr.1)
(Reference document: informal document INF.36)

11. Section 17, table 17.1, third column, in the section number for 7 (k)
For 17.13.2 read 17.13.1
(Reference document: informal document INF.36)

12. Sub-section 18.6, paragraph 18.6.1.1
For of a candidate ammonium nitrate emulsion or suspension or gel, intermediate for blasting explosives
read of a candidate for “ammonium nitrate emulsion, suspension or gel, intermediate for blasting explosives”
(Reference document: informal document INF.36)

13. Section 18, 18.6.1.2.2, fourth sentence
For the existing text, substitute
Calibration involves heating a tube (fitted with a 1.5 mm orifice plate) filled with 27 cm³ of dibutyl phthalate or equivalent silicone oil of apparent density 0.96 ± 0.02 at 20 °C and heat capacity 1.46 ± 0.02 J/g.K at 25 °C.
(Reference document: informal document INF.59, annex 3, amendment 3)

14. Section 18, 18.6.1.2.3, last but one sentence
For any draughts does read any draught does
(Reference document: informal document INF.36)

15. Section 20, paragraph 20.2.6
For see section 32.5.2 read see section 33.3
(Reference document: informal document INF.36)

16. Section 20, figure 20.1 (b)
For 12.1 Significative read 12.1 Not low
(Reference document: informal document INF.36)
17. **Section 25, 25.4.1.2.2, fourth sentence**
   For the existing text, *substitute*
   Calibration involves heating a tube (fitted with a 1.5 mm orifice plate) filled with 27 cm³ of dibutyl phthalate or equivalent silicone oil of apparent density 0.96 ± 0.02 at 20 °C and heat capacity 1.46 ± 0.02 J/g.K at 25 °C.
   *(Reference document: informal document INF.59, annex 3, amendment 4)*

18. **Section 25, paragraph 25.4.1.3.5, at the end of the first sentence**
   *Delete mm*
   *(Reference document: informal document INF.36)*

19. **Section 31, paragraph 31.1.3, definition of “aerosol”**
   *For made of metal glass read made of metal, glass*
   *(Reference document: informal document INF.36)*

20. **Section 33, paragraph 33.2.1.4.4.1**
    *For 33.2.1.3.4.2 read 33.2.1.4.3.2*
    *(Reference document: informal document INF.36)*

21. **Section 35, paragraph 35.4.3.2 (b), in the second sentence**
    *For 35.3.3.2 (a) read 34.3.3.2 (a)*
    *(Reference document: informal document INF.36)*

22. **Section 38, paragraph 38.3.2.3, definition of mass loss**
    *For Table 38.3.2.2 below read Table 38.3.1 below*
    *(Reference document: informal document INF.36)*

23. **Section 38, paragraph 38.3.3 (c)**
    In the French text, delete the last paragraph *(«Dans le cas des piles prismatiques, …»)*
    *(Reference document: informal document INF.36)*
24. **Section 38.3, paragraph 38.3.4.2, Figure 38.3.4.2**
   Replace the existing figure with the following (the legend of the axis remains unchanged)

![Figure 38.3.4.2](image)

*(For the English version, correction already included in ST/SG/AC.10/11/Rev.6/Corr.1)*

*(Reference document: informal document INF.36)*

25. **Section 51, paragraph 51.4.4.2 (g), in the formula**
   *For* $A_{10r}$ *read* $A_{10t}$
   *(Reference document: informal document INF.36)*

26. **Section 51, paragraph 51.4.6, in the last formula**
   *For* $A_c$ *read* $A_c$
   *(Reference document: informal document INF.36)*

27. **Appendix 8, table, in the third row, under the heading “Case”**
   *For* calibration tests *read* calibration tests* *
   *(Reference document: informal document INF.36)*
Annex III

Amendments to the Guiding Principles of the Model Regulations

Chapter 3.5

Replace the table, table notes and sentence after the table by the following:

“Methodology for determining excepted quantities

<table>
<thead>
<tr>
<th>Class/Division</th>
<th>Packing Group</th>
<th>Maximum net quantity per inner packaging (in grammes for solids and ml for liquids and gases)</th>
<th>Maximum net quantity per outer packaging (in grammes for solids and ml for liquids and gases, or sum of grammes and ml in the case of mixed packing)</th>
<th>E-Code</th>
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<td>1000 g / 1000 ml</td>
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<td>III 30 g / 30 ml</td>
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<td>500 g / 500 ml</td>
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<td>E2</td>
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<tr>
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<td>III 30 g / 30 ml</td>
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<td>7</td>
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<td>8(^g)</td>
<td>I</td>
<td>Not permitted</td>
<td></td>
<td>E0</td>
</tr>
<tr>
<td>Class/Division</td>
<td>Packing Group</td>
<td>Maximum net quantity per inner packaging (in grammes for solids and ml for liquids and gases)</td>
<td>Maximum net quantity per outer packaging (in grammes for solids and ml for liquids and gases, or sum of grammes and ml in the case of mixed packing)</td>
<td>E-Code</td>
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<td>1000 g / 1000 ml</td>
<td>E1</td>
</tr>
</tbody>
</table>

For gases, the volume indicated for inner packagings refers to the water capacity of the inner receptacle and the volume indicated for outer packagings refers to the combined water capacity of all inner packagings within a single outer package;

b  Desensitized explosives and UN 3256 shall not be transported as excepted quantities;

c  Chlorosilanes (UN Nos. 1162, 1196, 1250, 1298, 1305, 2985) shall not be transported as excepted quantities.

d  Self-reactive substances, polymerizing substances, desensitized explosives, UN Nos. 2304, 2448, 3176 (molten substances), 3560 and 3527 shall not be transported as excepted quantities;

e  Division 5.2 dangerous goods shall ONLY be transported as excepted quantities if in UN 3316, Chemical Kit or First Aid Kit;

f  UN Nos. 1600, 2312 and 3250 (molten substances) shall not be transported as excepted quantities;

g  Chlorosilanes (UN Nos. 3361, 3362) shall not be transported as excepted quantities;

h  UN Nos. 2215 (molten), 2576, 2803 and 2809 shall not be transported as excepted quantities;

i  Chlorosilanes (UN Nos. 1724, 1728, 1747, 1753, 1762, 1763, 1766, 1767, 1769, 1771, 1781, 1784, 1799, 1800, 1801, 1804, 1816, 1818, 2434, 2435, 2437, 2986, 2987) shall not be transported as excepted quantities.

j  Code E1 applies for UN Nos. 3334 and 3335, UN Nos. 1845, 2807, 3245, 3257 and 3258 shall not be transported as excepted quantities;

k  These are substances which are assigned Special Provision 354 in column (6) of the Dangerous Goods List and “TOXIC BY INHALATION” N.O.S entries.

The meaning of the Codes in the Table above is explained in 3.5.1 of the Model Regulations.

Annex IV


(Reference document: Informal document INF.28)

1. Chapter 2.7, 2.7.2.3.2 (a) (ii) and 2.7.2.3.2 (b) (ii), at the end of sub-paragraphs (ii)
   For or read and

2. Chapter 3.2, Dangerous Goods List, for UN 2908, in Column (6)
   Insert 368

3. Chapter 3.2, Dangerous Goods List, for UN 2913, in Column (6)
   Insert 325

4. Chapter 3.2, Dangerous Goods List, for UN 2913, in Column (6)
   Delete 336

5. Chapter 3.2, Dangerous Goods List, for UN 3326, in Column (6)
   Insert 326

6. Chapter 3.2, Dangerous Goods List, for UN 3326, in Column (6)
   Delete 336

7. Chapter 3.3, Special Provision 369, second paragraph, at the end
   For 2.7.2.3.6 read 2.7.2.3.5

8. Chapter 4.1, Packing Instruction P603, in the Special packing provision
   Delete and 6.4.11.2

9. Chapter 6.4, 6.4.2.11, in the fourth line
   For 4.1.9.1.10 and 4.1.9.1.11 read 4.1.9.1.11 and 4.1.9.1.12

10. Chapter 6.4, 6.4.23.19
    For under 6.4.22.2, 6.4.22.3, 6.4.22.4, 6.4.24.2 and 6.4.24.3 read under 6.4.22.2, 6.4.22.3, 6.4.22.4 and 6.4.24.2