

**Secretariat**

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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-eighth session**

Geneva, 30 November – 9 December 2015

Item 6 (b) of the provisional agenda

**Miscellaneous proposals for amendments to the Model Regulations
on the Transport of Dangerous Goods: marking and labelling****Proposal for revision of paragraph 5.2.2.2.2 of the Model
Regulations****Transmitted by the expert from the Russian Federation¹****Introduction**

1. Reference is made to documents:
 - (a) Recommendations on the Transport of Dangerous Goods: Model Regulations (18th Revised Edition). ST/SG/AC.10/1/Rev.18 (Vol. I, II). ISBN 13: 9789210561600;
 - (b) GOST 19433-88. Dangerous Goods. Classification and labelling ;
 - (c) Transportation of Dangerous Goods Regulations in direct international rail transport between the Russian Federation and the Republic of Finland. Annex to the Agreement between the Ministry of Transport of the Russian Federation and the Ministry of Transport and Communications of the Republic of Finland on the implementation of the Agreement between the Government of the Russian Federation and the Government of the Republic of Finland on the transport of dangerous goods in the Russian-Finnish direct international railway traffic.
2. Paragraph 5.2.2.2.2 in Chapter 5.2 "Marking and labelling" of the Model Regulations (18th revised edition) gives examples of labels and their description.

¹ Conformément au programme de travail du Sous-Comité pour la période 2015-2016 tel qu'approuvé par le Comité à sa septième session (voir ST/SG/AC.10/C.3/92, par. 95, et ST/SG/AC.10/42, par. 15).



3. However, in the Russian Federation, it appeared to the institutions engaged in training that the presence of multiple repetitive textual and numerical information, of large amount of information in an unstructured way, as well as of errors in 5.2.2.2.2 creates for the participants in the transport certain problems for correct interpretation and perception.
4. The Russian Federation has a long-term positive experience of providing information on the marking and labelling in a structured way (see paragraph 1, (b) and (c) above).

Proposal

5. In this regard, the Russian Federation proposes to present information 5.2.2.2.2 Chapter 5.2 "Marking and labelling" in tabular form with the distribution of repetitive text and numeric data in columns, thus removing the redundant information, and eliminate errors.
6. It is proposed to revise paragraph 5.2.2.2.2 as shown in the annex.

Justification





7. The proposed amendment would eliminate errors in 5.2.2.2.2, and would facilitate the correct interpretation and perception of the marking and labelling provisions by users of the Model Regulations.


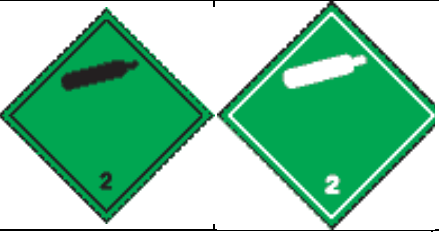

Enforceability




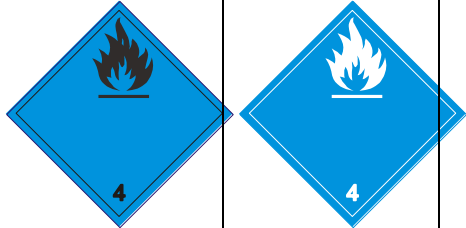
8. No problem of enforcement is foreseen.





Annex




5.2.2.2.2 Specimen labels


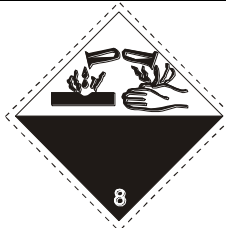
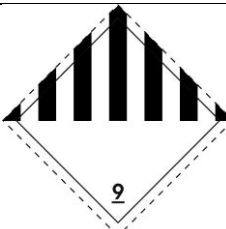

No	Division number. Category	Symbol: color	Background	Figure in bottom corner (color figures)	Specimen labels	Note
Class 1. Explosive substances or articles						
1	Divisions 1.1, 1.2, 1.3	Exploding bomb: black	Orange	1 (black)		→ → - Place for division – to be left blank if explosive is the subsidiary risk → - Place for compatibility group – to be left blank if explosive is the subsidiary risk
1.4	Division 1.4	1.4: black. Numerals shall be about 30 mm in height and be about 5 mm thick (for a label measuring 100 mm × 100 mm)	Orange	1 (black)		→ - Place for compatibility group – to be left blank if explosive is the subsidiary risk
1.5	Division 1.5	1.5: black. Numerals shall be about 30 mm in height and be about 5 mm thick (for a label measuring 100 mm × 100 mm)	Orange	1 (black)		→ - Place for compatibility group – to be left blank if explosive is the subsidiary risk
1.6	Division 1.6	1.6: black. Numerals shall be about 30 mm in height and be about 5 mm thick (for a label measuring 100 mm × 100 mm)	Orange	1 (black)		→ - Place for compatibility group – to be left blank if explosive is the subsidiary risk

No	Division number. Category	Symbol: color	Background	Figure in bottom corner (color figures)	Specimen labels	Note
Class 2. Gases						
2.1	Division 2.1. Flammable gases (except as provided for in 5.2.2.2.1.6 d))	Flame: black or white	Red	2 (black or white)		-
2.2	Division 2.2. Non-flammable, non- toxic gases	Gas cylinder: black or white	Green	2 (black or white)		-
2.3	Division 2.3. Toxic gases	Skull and crossbones: black	White	2 (black)		-

No	Division number. Category	Symbol: color	Background	Figure in bottom corner (color figures)	Specimen labels	Note
Class 3. Flammable liquids						
3	-	Flame: black or white	Red	3 (black or white)		-
Class 4						
4.1	Division 4.1. Flammable solids	Flame: black	White with 7 vertical red stripes	4 (black)		-
4.2	Division 4.2. Substances liable to spontaneous combustion	Flame: black	Upper half white, lower half red	4 (black)		-
4.3	Division 4.3. Substances which, in contact with water emit flammable gases	Flame: black or white	Blue	4 (black or white)		-

No	Division number. Category	Symbol: color	Background	Figure in bottom corner (color figures)	Specimen labels	Note
Class 5.						
5.1	Division 5.1. Oxidizing substances	Flame over circle: black	Yellow	5.1 (black)		-
5.2	Division 5.2. Organic peroxides	Flame: black or white	Upper half red, lower half yellow	5.2 (black)		-
Class 6						
6.1	Division 6.1. Toxic substances	Skull and crossbones: black	White	6 (black)		-
6.2	Division 6.2. Infectious substances	Three crescents superimposed on a circle and inscriptions: black	White	6 (black)		The lower half of the label may bear the inscriptions: «INFECTIOUS SUBSTANCE» and «In the case of damage or leakage immediately notify Public Health Authority»

No	Division. Category	Symbol: color	Background	Figure in bottom corner (color figures)	Specimen labels	Note
Class 7. Radioactive material						
7A	Category I – White	Trefoil: black	White	7 (black)		Text (mandatory): black in lower half of label: «RADIOACTIVE» «CONTENTS ...» «ACTIVITY ...» One red vertical bar shall follow the word: «RADIOACTIVE»
7B	Category II – Yellow	Trefoil: black	Upper half yellow with white border, lower half white	7 (black)		Text (mandatory): black in lower half of label: «RADIOACTIVE» «CONTENTS ...» «ACTIVITY ...» In a black outlined box: «TRANSPORT INDEX»; Two red vertical bars shall follow the word: «RADIOACTIVE»
7C	Category III – Yellow	Trefoil: black	Upper half yellow with white border, lower half white	7 (black)		Text (mandatory): black in lower half of label: «RADIOACTIVE» «CONTENTS ...» «ACTIVITY ...» In a black outlined box: «TRANSPORT INDEX»; Three red vertical bars shall follow the word: «RADIOACTIVE»

No	Division. Category	Symbol: color	Background	Figure in bottom corner (color figures)	Specimen labels	Note
7E	Class 7. Fissile material	-	White	7 (black)		Text (mandatory): black in upper half of label: «FISSILE»; In a black outlined box in the lower half of label: «CRITICALITY SAFETY INDEX»
Class 8. Corrosive substances						
8	-	Liquids, spilling from two glass vessels and attacking a hand and a metal: black	Upper half white, lower half black with white border	8 (white)		-
Class 9. Miscellaneous dangerous substances and articles, including environmentally hazardous substances						
9	-	7 vertical stripes in upper half: black	White	9 underlined (black)		-
9A	-	7 vertical stripes in upper half: black; battery group, one broken and emitting flame in lower half: black	White	9 underlined (black)		-