

**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

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Item 6 of the provisional agenda


**MISCELLANEOUS PROPOSALS OF AMENDMENTS TO THE MODEL
REGULATIONS ON THE TRANSPORT OF DANGEROUS GOODS**

Comments on ST/SG/AC.10/C.3/2007/52

Transmitted by the Expert from Canada

1. In ST/SG/AC.10/C.3/2007/52 Canada is proposing amendments to 6.7.2.20.1 of the Model Regulations, as well as other similar sections dealing with identification plate markings for portable tanks and MEGCs. Another proposal for amending 6.7.2.20.1 is also made by the Expert from Belgium in ST/SG/AC.10/C.3/2007/56, and Canada supports the proposal from Belgium.

2. The Expert from Canada wishes to amend ST/SG/AC.10/C.3/2007/52 to make it editorially consistent with the wording in the other sections of the Model Regulations 15th revised edition, where marking of the United Nations packaging symbol is required. Therefore, in ST/SG/AC.10/C.3/2007/52, the words: "The UN Packaging Symbol" should be deleted from 6.7.2.20.1(2), 6.7.3.16.1(2), 6.7.4.15.1(2), and 6.7.5.13.1(2), and replaced with:

"The United Nations packaging symbol  ;

This symbol shall not be used for any purpose other than certifying that a packaging complies with the relevant requirements in Chapter 6.1, 6.2, 6.3, 6.5, 6.6, or 6.7."

3. In the figures within ST/SG/AC.10/C.3/2007/52, delete the words: "Typical Identification plate format" and replace them with:

"Example of identification plate marking"

4. If the proposal in ST/SG/AC.10/C.3/2007/52 regarding the use of the UN packaging symbol in Chapter 6.7 is accepted, consequential amendments to subsections 6.1.3.1 (a), 6.2.2.7 (a), 6.3.4.2 (a), 6.5.2.1.1 (a), and 6.6.3.1 (a), to include Chapter 6.7 in the list of Chapters where the use of the UN packaging symbol is prescribed will be required.

5. For the convenience of the Sub-Committee, attached to this informal paper is an amended proposal that incorporates the proposal from Belgium as well as the proposed amendments to ST/SG/AC.10/C.3/2007/52, as outlined in paragraphs two and three above. The changes to Canada's original proposal in document ST/SG/AC.10/C.3/2007/52 are underlined.

Proposal

6. Amend 6.7.2.20.1 to read as follows:

"6.7.2.20.1 Every portable tank shall be fitted with a corrosion resistant metal plate permanently attached to the portable tank in a conspicuous place readily accessible for inspection. When for reasons of portable tank arrangements the plate cannot be permanently attached to the shell, the shell shall be marked with at least the information required by the pressure vessel code. As a minimum, at least the following information shall be marked on the plate by stamping or by any other similar method.

1) The country of manufacture

2) [The United Nations packaging symbol](#)



[This symbol shall not be used for any purpose other than certifying that a packaging complies with the relevant requirements in Chapter 6.1, 6.2, 6.3, 6.5, 6.6 or 6.7.](#)

3) The approval country

4) The design approval number

5) The letters 'AA', if the design was approved under Alternative Arrangements (see 6.7.1.2)

6) The manufacturer's name or mark

7) The manufacturer's serial number

8) The authorized body for the design approval

9) The owner's registration number

- 10) The year of manufacture
- 11) The pressure vessel code to which the shell is designed
- 12) The test pressure [in kPa gauge or bar gauge]²
- 13) The MAWP [in kPa gauge or bar gauge]²
- 14) The external design pressure³ [in kPa gauge or bar gauge]²
- 15) The design temperature range [in °C]²
- 16) The tank water capacity at 20 °C [in Litres]². This indication is to be followed by the symbol "S" when the tank is divided by surge plates into sections of not more than 7500 litres capacity
- 17) The water capacity of each compartment at 20 °C [in Litres]² (when applicable). This indication is to be followed by the symbol "S" when the compartment is divided by surge plates into sections of not more than 7500 litres capacity
- 18) The initial pressure test date [month and year] and witness identification
- 19) The MAWP for heating/cooling system [in kPa gauge or bar gauge]² (when applicable)
- 20) The shell material(s) and material standard reference(s)
- 21) The equivalent thickness in reference steel [in mm]²
- 22) The lining material (when applicable)
- 23) The date [month and year], type and test pressure [in kPa gauge or bar gauge]² of the most recent periodic test(s)
- 24) The stamp of the expert who performed or witnessed the most recent test


Note: For the identification of the substances being transported, see also Part 5.

Footnotes:

² The unit used shall be marked.

³ See 6.7.2.2.10.

Figure 6.7.2.20.1: [Example of identification plate marking](#)

Owner's Registration Number			
MANUFACTURING INFORMATION			
Country of Manufacture			
Manufacturer's Name or Mark			
Year of Manufacture			
Manufacturer's Serial Number			
APPROVAL INFORMATION			
	Approval Country		
	Authorized Body For Design Approval		
Design Approval Number			
'AA' (If Applicable)			
Shell Design Code (Pressure Vessel Code)			
PRESSURES			
MAWP [bar or kPa gauge]			
Test Pressure [bar or kPa gauge]			
Initial Pressure Test Date [mm/yyyy]:		Witness Stamp:	
External Design Pressure [bar or kPa gauge]			
MAWP For Heating/Cooling System [bar or kPa gauge] (If Applicable)			
TEMPERATURES			
Design Temperature Range [°C]			
MATERIALS			
Shell Material(s) and Material Standard References			
Equivalent Thickness in Reference Steel [mm]			
Lining Material (If Applicable)			
CAPACITIES			
Water Capacity at 20 °C [L]		S (If Applicable)	
Water Capacity of Compartment ___ at 20 °C [L] (As applicable, for multi-compartment tanks)		S (If Applicable)	
Water Capacity of Compartment ___ at 20 °C [L] (As applicable, for multi-compartment tanks)		S (If Applicable)	
PERIODIC INSPECTIONS / TESTS			
Test Type	Test Date [mm/yyyy]	Test Pressure [bar or kPa gauge]	Witness Stamp

7. Amend 6.7.3.16.1 to read as follows:

"6.7.3.16.1 Every portable tank shall be fitted with a corrosion resistant metal plate permanently attached to the portable tank in a conspicuous place readily accessible for inspection. When for reasons of portable tank arrangements, the plate cannot be permanently attached to the shell, the shell shall be marked with at least the information required by the pressure vessel code. As a minimum, at least the following information shall be marked on the plate by stamping or by any other similar method.

- 1) The country of manufacture
- 2) [The United Nations packaging symbol](#)



[This symbol shall not be used for any purpose other than certifying that a packaging complies with the relevant requirements in Chapter 6.1, 6.2, 6.3, 6.5, 6.6 or 6.7.](#)

- 3) The approval country
- 4) The design approval number
- 5) The letters 'AA', if the design was approved under Alternative Arrangements (see 6.7.1.2)
- 6) The manufacturer's name or mark
- 7) The manufacturer's serial number
- 8) The authorized body for the design approval
- 9) The owner's registration number
- 10) The year of manufacture
- 11) The pressure vessel code to which the shell is designed
- 12) The test pressure [in kPa gauge or bar gauge]²
- 13) The MAWP [in kPa gauge or bar gauge]²
- 14) The external design pressure⁵ [in kPa gauge or bar gauge]²
- 15) The design temperature range [in °C]²
- 16) The design reference temperature [in °C]²
- 17) The tank water capacity at 20 °C [in Litres]²
- 18) The initial pressure test date [month and year] and witness identification
- 19) The shell material(s) and material standard reference(s)
- 20) The equivalent thickness in reference steel [in mm]²
- 21) The date [month and year], type and test pressure [in kPa gauge or bar gauge]² of the most recent periodic test(s)
- 22) The stamp of the expert who performed or witnessed the most recent test


Note: For the identification of the non-refrigerated liquefied gas(es) being transported, see also Part 5.

Footnotes:

² The unit used shall be marked.

⁵ See 6.7.3.2.8.

Figure 6.7.3.16.1: [Example of identification plate marking](#)

Owner's Registration Number			
MANUFACTURING INFORMATION			
Country of Manufacture			
Manufacturer's Name or Mark			
Year of Manufacture			
Manufacturer's Serial Number			
APPROVAL INFORMATION			
	Approval Country		
	Authorized Body For Design Approval		
Design Approval Number			
'AA' (If Applicable)			
Shell Design Code (Pressure Vessel Code)			
PRESSURES			
MAWP [bar or kPa gauge]			
Test Pressure [bar or kPa gauge]			
Initial Pressure Test Date [mm/yyyy]:		Witness Stamp:	
External Design Pressure [bar or kPa gauge]			
TEMPERATURES			
Design Temperature Range [°C]			
Design Reference Temperature [°C]			
MATERIALS			
Shell Material(s) and Material Standard References			
Equivalent Thickness in Reference Steel [mm]			
CAPACITY			
Water Capacity at 20°C [L]			
PERIODIC INSPECTIONS / TESTS			
Test Type	Test Date [mm/yyyy]	Test Pressure [bar or kPa gauge]	Witness Stamp

8. Amend 6.7.4.15.1 to read as follows:

"6.7.4.15.1 Every portable tank shall be fitted with a corrosion resistant metal plate permanently attached to the portable tank in a conspicuous place readily accessible for inspection. When for reasons of portable tank arrangements, the plate cannot be permanently attached to the shell, the shell shall be marked with at least the information required by the pressure vessel code. As a minimum, at least the following information shall be marked on the plate by stamping or by any other similar method:

- 1) The country of manufacture
- 2) [The United Nations packaging symbol](#)



[This symbol shall not be used for any purpose other than certifying that a packaging complies with the relevant requirements in Chapter 6.1, 6.2, 6.3, 6.5, 6.6 or 6.7.](#)


- 3) The approval country
- 4) The design approval number
- 5) The letters 'AA', if the design was approved under Alternative Arrangements (see 6.7.1.2)
- 6) The manufacturer's name or mark
- 7) The manufacturer's serial number
- 8) The authorized body for the design approval
- 9) The owner's registration number
- 10) The year of manufacture
- 11) The pressure vessel code to which the shell is designed
- 12) The test pressure [in kPa gauge or bar gauge]²
- 13) The MAWP [in kPa gauge or bar gauge]²
- 14) The minimum design temperature [in °C]²
- 15) The tank water capacity at 20 °C [in Litres]²
- 16) The initial pressure test date [month and year] and witness identification
- 17) The shell material(s) and material standard reference(s)
- 18) The equivalent thickness in reference steel [in mm]²
- 19) The date [month and year], type and test pressure [in kPa gauge or bar gauge]² of the most recent periodic test(s)
- 20) The stamp of the expert who performed or witnessed the most recent test
- 21) Either "thermally insulated" or "vacuum insulated" (as applicable)
- 22) The effectiveness of the insulation system (heat influx) [in W]²
- 23) The name, in full, of the gas(es) for whose transport the portable tank is approved
- 24) For each refrigerated liquefied gas permitted to be transported in the portable tank, the reference holding time [in days or hours]², initial pressure [in kPa gauge or bar gauge]² and degree of filling [in kg]².

Note: For the identification of the refrigerated liquefied gas(es) being transported, see also Part 5.

Footnote:


- ² The unit used shall be marked.

Figure 6.7.4.15.1: [Example of identification plate marking](#)

Owner's Registration Number			
MANUFACTURING INFORMATION			
Country of Manufacture			
Manufacturer's Name or Mark			
Year of Manufacture			
Manufacturer's Serial Number			
APPROVAL INFORMATION			
	Approval Country		
	Authorized Body For Design Approval		
Design Approval Number			
'AA' (If Applicable)			
Shell Design Code (Pressure Vessel Code)			
PRESSURES			
MAWP [bar or kPa gauge]			
Test Pressure [bar or kPa gauge]			
Initial Pressure Test Date [mm/yyyy]:			Witness Stamp:
TEMPERATURES			
Minimum Design Temperature [°C]			
MATERIALS			
Shell Material(s) and Material Standard References			
Equivalent Thickness in Reference Steel [mm]			
CAPACITY			
Water Capacity at 20°C [L]			
INSULATION			
'Thermally Insulated' or 'Vacuum Insulated' (As Applicable)			
Heat Influx [W]			
HOLD TIMES			
Refrigerated Liquefied Gas(es) Permitted	Reference Hold Time [days or hours]	Initial Pressure [bar or kPa gauge]	Degree of Filling [kg]
PERIODIC INSPECTIONS / TESTS			
Test Type	Test Date [mm/yyyy]	Test Pressure [bar or kPa gauge]	Witness Stamp

9. Amend 6.7.5.13.1 to read as follows:


"6.7.5.13.1 Every MEGC shall be fitted with a corrosion resistant metal plate permanently attached to the MEGC in a conspicuous place readily accessible for inspection. The metal plate shall not be affixed to the elements. The elements shall be marked in accordance with Chapter 6.2. As a minimum, at least the following information shall be marked on the plate by stamping or by another similar method:

- 1) The country of manufacture
 - 2) [The United Nations packaging symbol](#) 
- [This symbol shall not be used for any purpose other than certifying that a packaging complies with the relevant requirements in Chapter 6.1, 6.2, 6.3, 6.5, 6.6 or 6.7.](#)
- 3) The approval country
 - 4) The design approval number
 - 5) The letters 'AA', if the design was approved under Alternative Arrangements (see 6.7.1.2)
 - 6) The manufacturer's name or mark
 - 7) The manufacturer's serial number
 - 8) The authorized body for the design approval
 - 9) The year of manufacture
 - 10) The test pressure [in kPa gauge or bar gauge]²
 - 11) The design temperature range [in °C]²
 - 12) The number of elements
 - 13) The total water capacity [in Litres]²
 - 14) The initial pressure test date [month and year] and identification of the authorized body
 - 15) The date [month and year] and type of the most recent periodic tests
 - 16) The stamp of the authorized body who performed or witnessed the most recent test

Footnote:

² The unit used shall be marked.

Figure 6.7.5.13.1: [Example of identification plate marking](#)

MANUFACTURING INFORMATION			
Country of Manufacture			
Manufacturer's Name or Mark			
Year of Manufacture			
Manufacturer's Serial Number			
APPROVAL INFORMATION			
	Approval Country		
	Authorized Body For Design Approval		
Design Approval Number			
'AA' (If Applicable)			
PRESSURES			
Test Pressure [bar or kPa gauge]			
Initial Pressure		Authorized Body:	
Test Date [mm/yyyy]:			
TEMPERATURES			
Design Temperature Range [°C]			
CAPACITY			
Total Water Capacity at 20 °C [L]			
Number of Elements			
PERIODIC INSPECTIONS / TESTS			
Test Type	Test Date [mm/yyyy]	Authorized Body	