

UN/SCETDG/18/INF.67

RESULTS OF THE WORKING GROUP ON AGENDA ITEM 3(A)

DRAFT AMENDMENTS TO THE MODEL REGULATIONS

Chapters 4.2 and 6.7 - UN/SCETDG/18/INF.34

Chapter 4.2

- 4.2.1.4 Substitute "dangerous goods" with "substances"
- 4.2.1.9 Amend the title to read "Degree of filling"
- 4.2.1.9.1, 4.2.2.7.1, 4.2.3.6.1
Substitute "weaken the material" with "weaken these materials"
- 4.2.1.9.1.1 Amend the end of the sentence to read as follows:
"in the applicable portable tank instructions or special provisions in 4.2.4.2.6 or 4.2.4.3 and Columns (10) or (11) of the Dangerous Goods List."
- 4.2.1.9.6 (b) Substitute "goods" with "substances"
- 4.2.1.13.1 In the last sentence, substitute "special requirement" with "additional provision"
- 4.2.1.13.2 and 4.2.1.13.3 Substitute "requirements" with "provisions" (3 times)
- 4.2.1.13.6 Substitute "the properties of the peroxide" with "the properties of the substance"
- 4.2.1.13.8 In the text under the formula, delete "[-]", substitute "vessels" with "tanks" (twice) and amend
"T_{PO} = temperature of peroxide at relieving conditions" to read
"T_{PO} = temperature of substance at relieving conditions"
In the last sentence add "portable" before "tank"
- 4.2.2.5 and 4.2.3.4
Substitute "dangerous goods" with "gas(es)"
- 4.2.3.2 Amend the end of the sentence to read as follows:
"assigned to each substance in column 11 of the Dangerous Goods List and described in 4.2.4.3."
- 4.2.3.7 Renumber the paragraph under the title as "4.2.3.7.1" and the following one (now 4.2.3.7.1) as "4.2.3.7.2"
- 4.2.3.9 Delete ", as appropriate,"
- 4.2.4.2.1 Substitute "requirements" with "provisions" (3 times)
- 4.2.4.2.5 In the text before the table, substitute "wall thicknesses" with "shell thicknesses"
- 4.2.4.2.6 In the table of portable tank instruction T23, the title of the 7th column shall read "Degree of filling" and amend footnote ** to read : "Maximum quantity per portable tank: 2000 kg"

In the table of portable tank instruction T50, the title of the 6th column shall read "Maximum filling density".

4.2.4.3 Substitute "to indicate requirements" with "to indicate provisions" and "designated using the abbreviation TP" with "identified by an alpha-numeric designation beginning with the letters "TP""

Amend TP1, TP2, and TP3 to read "the degree of filling prescribed in ... shall not be exceeded ..."

Under TP4, delete "for portable tanks"

Under TP12, insert at the beginning "This substance is"

Under TP19 (twice) and TP 21, substitute "wall thickness" with "shell thickness"

Chapter 6.7

6.7.2.1 Under the definition of "portable tank", substitute "lifted onto a transport vehicle" with "loaded onto a transport vehicle"

6.7.2.2.3, 6.7.2.2.7
Substitute "substances" with "substance(s)"

6.7.2.2.13, 6.7.2.2.14, 6.7.2.3.3, 6.7.3.2.1, 6.7.3.2.10, 6.7.3.2.11, 6.7.3.3.3, 6.7.4.2.1, 6.7.4.2.13, 6.7.2.4.14, 6.7.4.3.3

Substitute "yield strength" with "yield stress" and "proof strength" with "proof stress"

6.7.2.2.16 Amend the first sentence to read "... portable tank instruction indicated in column 10 of the Dangerous Goods List and described in 4.2.4.2.6 or of the Dangerous Goods List and described in 4.2.4.3."

6.7.2.3.2 Substitute "applicable tank instruction" with "applicable portable tank instruction".
Add at the end of the second sentence "and described in 4.2.4.3."

6.7.2.4.1 (c) Amend to read "... portable tank instruction indicated in column 10 of the Dangerous Goods List and described in 4.2.4.2.6 or of the Dangerous Goods List and described in 4.2.4.3."

6.7.2.4.6 and 6.7.2.4.7
Amend the explanation of e_0 to read "... portable tank instruction indicated in column 10 of the Dangerous Goods List and described in 4.2.4.2.6 or of the Dangerous Goods List and described in 4.2.4.3."

6.7.2.6.4 Substitute "6.7.2.6.3.1" with "6.7.2.6.3 (a)"

6.7.2.8.3 Amend to read "..., pinholing, ..."

[6.7.2.12.2.1, 6.7.3.8.1.1
Substitute "uninsulated shells" with "uninsulated tanks" and "insulated shells" with "insulated tanks"]

6.7.2.12.2.3 In the title, substitute "emergency vent capacity" with "required rate of discharge"

6.7.2.19.5 In the last sentence, substitute "procedures by the competent authority" with "procedures specified by the competent authority"

6.7.2.19.8 (a) Substitute "the shell unsafe" with "the portable tank unsafe"

6.7.2.19.8 (b), 6.7.3.15.8 (b)

Shall read as follows: "... defects, or any other conditions,..."

6.7.2.20.1, 6.7.3.16.1 and 6.7.4.15.1

In the list of information, add "(see 6.7.1.2)" after "For Alternative Arrangements"

6.7.3.1 and 6.7.4.1

In the definition of "portable tank" substitute "loaded and discharged" with "filled and discharged"

6.7.3.1 The end of the definition of "shell" shall read "... or external structural equipment;"

In the definition of "maximum allowable working pressure", under (b)(ii), read "... due to an increase"

6.7.3.2.5 Substitute "gases" with "gas(es)"

6.7.3.2.11 In the first sentence read "... the values according to national.", in the second sentence, "... when these greater values are.."

6.7.3.3.3.1 Amend the second sentence to read "... when these greater values are.."

6.7.3.5.9 Amend the second and third sentences to read: "All stop-valves with a screwed spindle shall... For other stop-valves the position (open and closed)..."

6.7.3.5.13 Amend to read "valves and accessories."

6.7.3.8.1.1 Amend the definition of "C" to read "a constant which is derived from one of the following formulae as a function of the ratio k of specific heats"

6.7.3.13.1 Substitute "fabricated" with "constructed"

6.7.3.14.1 The second sentence shall read "This certificate shall attest that a portable tank ..."

6.7.4.2.13 (b) Substitute "... or, in case of austenitic steel..." with "... or, for austenitic steel..."

6.7.4.2.14 Amend the second sentence to read: "... when these greater values are attested ..."

6.7.4.4.7 Amend the references in the first sentence to read as follows: "6.7.4.4.1 to 6.7.4.4.5"

6.7.4.6.1 Shall read "... fully open at a pressure equal to..."

6.7.4.10.1 Amend the beginning to read as follows: "Each pressure-relief device inlet shall be..."

6.7.4.12.1 Amend the references in the second sentence to read as follows: "The forces specified in 6.7.4.2.12 and the safety factor specified in 6.7.4.2.13.."

6.7.4.13.1 Amend the fourth sentence to read: "... the materials of construction of the shell and jacket..."

6.7.4.14.9 Delete "of the portable tank"

6.7.4.15.1 Substitute "The names, in full, of the gases for..." with "The name, in full, of the gas(es) for..."

Miscellaneous draft amendments - ST/SG/AC.10/C.3/2000/5 submitted by IMO

General

Replace the word "carriage" with the word "transport" throughout the Recommendations

Chapter 2.0

2.0.4.1 In the first sentence of the third paragraph and in the first example the word "sample" shall be in upper case to read as follows:

"... shall be supplemented with the word "SAMPLE" (e.g., FLAMMABLE LIQUID, N.O.S., SAMPLE)"

Insert "proper" when missing before the words "shipping name" (twice)

Chapter 2.4

2.4.2.3.2.3: In the list of self-reactive substances amend the following entries:

"2-DIAZO-1-NAPHTHOL-4-SULPHOCHLORIDE" to read
"2-DIAZO-1-NAPHTHOL-4-SULPHONYLCHLORIDE"

"2-DIAZO-1-NAPHTHOL-5-SULPHOCHLORIDE" to read
"2-DIAZO-1-NAPHTHOL-5-SULPHONYLCHLORIDE"

"BENZENE-1,3-DISULPHOHYDRAZIDE, as a paste" to read
"BENZENE-1,3-DISULPHONYLHYDRAZIDE, as a paste"

"BENZENE SULPHOHYDRAZIDE" to read
"BENZENE SULPHONYLHYDRAZIDE"

"DIPHENYLOXIDE-4,4'-DISULPHOHYDRAZIDE" to read
"DIPHENYLOXIDE-4,4'-DISULPHONYLHYDRAZIDE"

Chapter 2.5

2.5.3.2.4 In the list of Organic Peroxides, for each organic peroxide which has in the column of the Number (Generic entry) the words "exempt", add in the last column "(29)" as a reference to a new remark to be added at the end of the table which will read as follows:

"29) Not subject to the requirements for Division 5.2 of these Model Regulations"

Part 3

Chapter 3.2 Dangerous Goods List

Classification

In the whole the Dangerous Goods List, when an individual UN number represents both liquid and solid substance, the liquid entries shall always be listed first.

- UN 1057 Delete "(cigarettes)"
- UN 1177 Amend the proper shipping name to read "2-ETHYLBUTYL ACETATE"
- UN 1278 Amend the proper shipping name to read "1-CHLOROPROPANE" and add in the alphabetical index the following entry:
- "1-CHLOROPROPANE 3 1278"
- The entry in the alphabetical list for propyl chloride shall be in lower cases and read as follows:
- "Propyl chloride, see 3 1278"
- UN 1702 Add "1,1,2,2-" immediately before the proper shipping name "TETRACHLOROETHANE"
- UN 2249 Add "3" in column (4)
- UN 2264 Amend the proper shipping name to read "N, N-DIMETHYLCYCLOHEXYLAMINE"
- UN 2277 Add ", STABILIZED" to the proper shipping name.
- UN 2684 Amend the proper shipping name to read "3-DIETHYLAMINOPROPYLAMINE"

Special provisions

Wherever it appears in column (6), delete special provision "222"

- UN 1374 Insert in column(6), special provision "300"
- UN 2216 Insert in column(6), special provision 308
- UN 2793 Delete special provision"107" in column(6) and add special provision "223"
- UN 2870 Delete special provision"78" in column(6)

Portable tank provisions

- UN 1579 Add "T4" and "TP1" in column (10) and (11) respectively
- UN Nos.1863 (PG I), 1866 (PG I), 1906, 2571, 2797, 3250 and 3295 (PG I)
Add TP 28 in column(11)
- UN 1993 (PG I) and UN 3279 (PG I)
Add TP 27 in column(11)
- UN 3027 and UN 3052
Delete the tank instructions in column (10)

Chapter 3.3 Special Provisions

- SP 29 Delete the words "and the packing group"
- SP 78 Delete
- SP 107 Delete

- SP 216, 217 and 218
Substitute the sentence "Each transport unit shall be leakproof." with "Each transport unit shall be leakproof when used as a bulk packaging."
- SP 222 Delete
- SP 300 Delete the second sentence
- SP 301 Add at the end an additional sentence as follows: "The transport of dangerous goods in machinery or apparatus where the quantity of dangerous goods exceeds the quantity specified in column 7 of the Dangerous Goods List is authorized when approved by the competent authority."
- SP308 Add the following new special provision:
"308 Fish scrap or fish meal shall contain at least 100ppm of antioxidant (ethoxyquin) at the time of consignment."

Chapter 3.4 Limited Quantities

- 3.4.1 In the second sentence add "of the inner packaging or article" after "The applicable quantity limit"

Part 4

Chapter 4.1

- P601 and P602 Add at the end of the first sentence, after "and 4.1.3 are met", "and the packagings are hermetically sealed"

- 4.1.9.1.6 Add the following new paragraph:
"Pyrophoric radioactive material shall be packaged in Type A, Type B(U), Type B(M) or Type C packages and shall be suitably inerted"

Part 5

Chapter 5.1

- 5.1.3.2 Delete the words "storage or"

Chapter 5.2

- 5.2.1.1 Substitute "shown" with "marked"
- 5.2.2.1.3.1 Insert the words "Packages containing" before "substances" (twice)

Chapter 5.4

The WORKING Group agreed that including instructions for the container packing certificate at the rear of the Dangerous Goods would be user friendly. See attached example.

Chapter 5.5

- 5.5.2.2 Amend the beginning to read as follows: "A warning sign as specified in 5.5.2.3 shall be placed..."
- 5.5.2.3 Add a new paragraph to read as follows:
"The fumigation warning sign shall be rectangular and shall not be less than 300 mm wide and 250 mm high. The markings shall be black print on a white background with lettering not less than 25 mm high. An illustration of this sign is given in Figure 5.6"

Part 6

Chapter 6.1

- 6.1.4.8.2 Substitute "the period of use permitted...is five years from the manufacture of ..." with "the period of use permitted ... shall not exceed five years from the manufacture of ..."

Chapter 6.4

- 6.4.23.4 Amend the introductory sentence to read: "An application for approval of Type B(U) and Type C package design shall include:"
- 6.4.23.9 Amend the text pertaining to B(U), B(M)and Type C package design as follows:
"B(U) Type B(U) package design [B(U)F if for fissile material]
B(M) Type B(M) package design [B(M)F if for fissile material]
C Type C package design [CF if for fissile material]"
- 6.4.23.13 Insert the missing sub-paragraph (h) to read as follows:
"(h) Reference to information provided by the applicant relating to specific actions to be taken prior to shipment."

Chapter 6.7

- 6.7.2.2.9.1 Insert the following new paragraph:
"For portable tanks that are intended for use offshore, the dynamic stresses imposed by handling in open seas shall be taken into account."
- 6.7 2.20.2 In the list of information to be marked on the portable tank, delete the words "Name of the substance(s)...50 °C"