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Working Party on the Transport of Dangerous Goods

DRAFT AMENDMENTS TO ANNEXES A AND B OF ADR

Note by the secretariat

This document contains corrections to the draft amendments to annexes A and B of ADR adopted by the Working Party at its seventieth and seventy-first sessions (see TRANS/WP.15/168) and the draft amendments to annexes A and B of ADR adopted by the Working Party at its seventy-second session (Expected date of entry into force: 1st January 2003) (See TRANS/WP.15/167, para. 92 and TRANS/WP.15/170, para. 84).

CORRECTIONS TO TRANS/WP.15/168

PART 1

1.6.3.8 and

1.6.4.5 Delete the amendments relating to paragraphs 1.6.3.8 and 1.6.4.5.

1.8.5.4

In the model for report, under item 2, amend the left-hand column under "Rail" to read as follows:

<p><u>Rail</u></p> <p><input type="checkbox"/> Station</p> <p><input type="checkbox"/> Shunting/marshalling yard</p> <p><input type="checkbox"/> Loading/unloading/transshipment site</p> <p>Location / Country:</p> <p>or</p> <p><input type="checkbox"/> Open line</p> <p>Description of line:</p> <p>Kilometres:</p>

PART 3

3.1.2.8.1

In the first sentence delete "or chemical group" and in the third sentence delete "and chemical group".

Table A of Chapter 3.2

In the third paragraph under the title in bold characters, replace "640O" with "640J" and in the explanation for 640E, replace "640G and 640" with "640G and 640H".

UN 1950 Classification code 5TO: Replace "2.1+5.1+6.1" with "2.2+5.1+6.1" in column (5). (This correction does not apply to the French version).

UN 3375 Replace the existing entry with the following two entries:

(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7)	(8)	(9a)	(9b)	(10)	(11)
3375	AMMONIUM NITRATE EMULSION or SUSPENSION or GEL, intermediate for blasting explosives, liquid	5.1	O1	II	5.1	306 309	LQ0	P099 IBC99		MP2		
3375	AMMONIUM NITRATE EMULSION or SUSPENSION or GEL, intermediate for blasting explosives, solid	5.1	O2	II	5.1	306 309	LQ0	P099 IBC99		MP2		

(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
			2			CV24	S9 S14		3375	AMMONIUM NITRATE EMULSION or SUSPENSION or GEL, intermediate for blasting explosives, liquid
			2			CV24	S9 S14		3375	AMMONIUM NITRATE EMULSION or SUSPENSION or GEL, intermediate for blasting explosives, solid

3.3.1 **SP640** Insert a second indent to read as follows:

"- substances and preparations of UN No. 2015 packed in accordance with packing instruction P501;"

PART 4

4.1.1 Change the amended text of the note under the title to read as follows:

"The general provisions of this section only apply to the packing of goods of Classes 2, 6.2 and 7 as indicated in 4.1.1.16 (Class 2), 4.1.8.2 (Class 6.2), 4.1.9.1.5 (Class 7) and in the applicable packing instructions of 4.1.4 (packing instructions P201 and P202 for Class 2 and P621, IBC620 and LP621 for Class 6.2)."

4.1.4.1 **P200** The correction does not apply to the English version.

4.1.4.2 **IBC02** Delete the amendment concerning special packing provision B11.

IBC06 Replace the amendment to (3) by: "Under "(3) Composite", replace " and 31HZ1" with ", 31HZ1 and 31HZ2"

4.1.8.2 Amend the first sentence to read as follows:

"The definitions in 1.2.1 and the general provisions of 4.1.1.1 to 4.1.1.16, except 4.1.1.3, 4.1.1.9 to 4.1.1.12 and 4.1.1.15 apply to infectious substances packages."

4.3.3.2.5 Delete the proposed row for UN No. 3374.

4.3.4.1.4 Replace "shall be marked with the" (in the first sentence) and "shall be marked with" (in the second sentence) with "shall be assigned to".

PART 5

5.3.1.2 Delete "MEGC," after "at each end of the container".

5.3.1.4 Delete ", battery-vehicle" after "When".

5.4.1.1.1 (b) Delete "or the chemical group".

5.4.1.1.12 to 5.4.1.1.14

The new paragraphs to be inserted are to be numbered 5.4.1.1.14 to 5.4.1.1.16.

PART 6

6.2.1.1.2 Replace "receptacles" with "pressure receptacles".

6.2.1.6.3 Replace "the receptacle "with "the pressure receptacle".

6.2.1.7.6 Add the following Note at the end of the paragraph:

"NOTE: The month need not be indicated for gases for which the interval between periodic inspections is ten years or more [see 4.1.4.1 packing instructions P200 (8) and P203 (8)]."

6.2.5 Amend the beginning of the sentence under the title to read as follows: "In addition to the general requirements of 6.2.1.1, 6.2.1.2, 6.2.1.3, 6.2.1.5 and 6.2.1.6, UN certified pressure receptacles shall comply...".

6.2.5.6.4.6 Replace "6.2.5.6.4.2" with "6.2.5.6.4.3".

6.6.5.3.3.4 The correction does not apply to the English version.

6.7 The correction does not apply to the English version.

6.7.1.1 The correction does not apply to the English version.

ADDITIONAL DRAFT AMENDMENTS TO ANNEXES A AND B OF ADR

PART 1

1.1.3.6.2 In the list of provisions: delete the indent "- Chapter 1.3;" and in the indent for Part 8 replace "8.1.4.1 (a)" with "8.1.4.2 to 8.1.4.5" and insert "8.2.3" before "8.3.4".

1.2.1 Delete the definition for "Frame".

In the definition of "vacuum-operated waste tank", replace" a fixed or demountable tank", with "a fixed tank, demountable tank, tank-container or tank swap body".

1.6.3.8 Amend the second paragraph to read as follows:

"When, because of amendments to ADR, some proper shipping names of gases have been modified, it is not necessary to modify the names on the plate or on the shell itself (see 6.8.3.5.2 or 6.8.3.5.3), provided that the names of the gases on the fixed tanks (tank-vehicles), demountable tanks and battery-vehicles or on the plates [see 6.8.3.5.6 (b) or (c)] are adapted at the first periodic test thereafter."

1.6.3.19 Renumber existing 1.6.3.19 as 1.6.3.20 and insert a new 1.6.3.19 to read as follows:

"1.6.3.19 Fixed tanks (tank-vehicles) and demountable tanks constructed before 1 January 2003 in accordance with the requirements of 6.8.2.1.21 in force up to 31 December 2002 but which do not, however, conform to the requirements applicable as from 1 January 2003 may still be used."

1.6.4.5 Amend the second paragraph to read as follows:

"When, because of amendments to ADR, some proper shipping names of gases have been modified, it is not necessary to modify the names on the plate or on the shell itself (see

6.8.3.5.2 or 6.8.3.5.3), provided that the names of the gases on the tank-containers and MEGCs or on the plates [see 6.8.3.5.6 (b) or (c)] are adapted at the first periodic test thereafter."

1.6.5.4 Amend to read as follows: "As regards the construction of base vehicles, the requirements of Part 9 in force up to 31 December 2002 may be applied until 30 June 2004."

1.6.5.6 Add the following new paragraph:

"1.6.5.6 Transport units equipped with fire extinguishers in accordance with the provisions of 8.1.4 applicable until 31 December 2002 may continue to be used until 31 December 2007."

PART 3

Table A of Chapter 3.2

In column (18) delete "CV28" for all the entries for which a label conforming to model No. 2.3 is prescribed in Column (5).

UN No.	Column No.	Amendment
2071	2	Amend to read: "Ammonium nitrate based fertilizer, uniform mixtures of the nitrogen/phosphate, nitrogen/potash or nitrogen/phosphate/potash type, containing not more than 70% ammonium nitrate and not more than 0.4% total combustible/organic material calculated as carbon or with not more than 45% ammonium nitrate and unrestricted combustible material"
3226 and 3228	7	Replace "LQ0" with "LQ11"
3359	15	Delete "4"

PART 4

4.1.1.16 Amend to read as follows:
"Packagings, including IBCs and large packagings, marked in accordance with 6.1.3, 6.2.5.7, 6.2.5.8, 6.3.1, 6.5.2 or 6.6.3 but which were approved in a State which is not a Contracting Party to ADR may nevertheless be used for carriage under ADR."

4.1.3.1 After "'B" for IBCs", add ", "or "BB" for special packing provisions specific to RID and ADR;".

4.1.4.1 **P200** Insert the following entry in table 3:

1790	HYDROFLUORIC ACID, solution, with more than 85 % hydrofluoric acid	8	CT1	966	X	X	X		5	10	0.84	ab, ac
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4.1.4.4 Replace "PR6" with "PR7" in the introductory sentence.

Chapter 4.2 The existing Note under the title becomes "NOTE 1". Add a new Note 2 to read as follows:

"NOTE 2: *Portable tanks and UN certified MEGCs marked in accordance with the applicable provisions of Chapter 6.7 but which were approved in a State which is not a Contracting Party to ADR may nevertheless be used for carriage under ADR.*"

4.2.1.1, 4.2.1.9.1.1, 4.2.1.13.15, 4.2.2.2
and 4.2.3.2 Replace "4.2.4.2.6" with "4.2.5.2.6".

4.2.1.1, 4.2.1.9.1.1, 4.2.2.2, 4.2.3.2 and 4.2.5.1.1 (previously 4.2.4.1.1)
Replace "4.2.4.3" with "4.2.5.3".

4.2.5.2.6 **T23** Under UN No. 3119 add the following line:

UN No.	Substance	Minimum test pressure (bar)	Minimum shell thickness (mm reference steel)	Bottom opening requirements	Pressure-relief requirements	Degree of filling	Control temperature	Emergency temperature
	Peroxyacetic acid, distilled, type F, stabilized ^d						+ 30°C	+ 35°C

Add the following note at the end of the table:

^d *Formulation derived from distillation of peroxyacetic acid originating from peroxyacetic acid in concentration of not more than 41% with water, total active oxygen (Peroxyacetic acid+H₂O₂) ≤ 9.5%, which fulfils the criteria of the Manual of Tests and Criteria, paragraph 20.4.3 (f)."*

4.5.1.1 In the first sentence, replace "their carriage in fixed or demountable tanks" with "their carriage in fixed tanks, demountable tanks, tank-containers or tank swap bodies".

PART 5

5.4.2 Amend footnote 4 to read as follows:

⁴ *Section 5.4.2 of the IMDG Code requires the following:*

5.4.2 Container/vehicle packing certificate

5.4.2.1 *When dangerous goods are packed or loaded into any container or vehicle, those responsible for packing the container or vehicle shall provide a "container/vehicle packing certificate" specifying the container/vehicle identification number(s) and certifying that the operation has been carried out in accordance with the following conditions:*

.1 *The container/vehicle was clean, dry and apparently fit to receive the goods;*

.2 *Packages, which need to be segregated in accordance with applicable segregation requirements, have not been packed together onto or in the container/vehicle (unless approved by the competent authority concerned in accordance with 7.2.2.3 (of the IMDG Code));*

- .3 *All packages have been externally inspected for damage, and only sound packages have been loaded;*
- .4 *Drums have been stowed in an upright position, unless otherwise authorized by the competent authority, and all goods have been properly loaded, and, where necessary, adequately braced with securing material to suit the mode(s) of transport for the intended journey;*
- .5 *Goods loaded in bulk have been evenly distributed within the container/vehicle;*
- .6 *For consignments including goods of class 1, other than division 1.4, the container/vehicle is structurally serviceable in conformity with 7.4.6 (of the IMDG Code);*
- .7 *The container/vehicle and packages are properly marked, labelled, and placarded, as appropriate;*
- .8 *When solid carbon dioxide (CO₂-dry ice) is used for cooling purposes, the container/vehicle is externally marked or labelled in a conspicuous place, such as, at the door end, with the words: "DANGEROUS CO₂ GAS (DRY ICE) INSIDE. VENTILATE THOROUGHLY BEFORE ENTERING"; and*
- .9 *A dangerous goods transport document, as indicated in 5.4.1 (of the IMDG Code) has been received for each dangerous goods consignment loaded in the container/vehicle.*

NOTE: The container/vehicle packing certificate is not required for tanks

5.4.2.2 The information required in the dangerous goods transport document and the container/vehicle packing certificate may be incorporated into a single document; if not, these documents shall be attached one to the other. If the information is incorporated into a single document, the document shall a signed declaration such as "It is declared that the packing of the goods into the container/vehicle has been carried out in accordance with the applicable provisions". This declaration shall be dated and the person signing this declaration shall be identified on the document."

5.5.2.1 Amend the first sentence to read as follows:

"For the carriage of UN No. 3359 fumigated unit (vehicle, container or tank) the transport document shall show the information required in 5.4.1.1.1, the date of fumigation and the type of the fumigant used."

PART 6

6.1.6.2 In the table for Class 8, under classification code CT1, replace "Hydrazine, aqueous solutions with not more than 64% hydrazine by mass" with "Hydrazine, aqueous solutions with more than 37% hydrazine by mass".

6.7.2.1 In the definitions of "Design pressure" under (c) and "Test pressure" replace "4.2.4.2.6" with "4.2.5.2.6".

6.7.2.2.16, 6.7.2.3.2, 6.7.2.4.1 (c), 6.7.2.4.6
and 6.7.2.4.7 Replace "4.2.4.2.6" with "4.2.5.2.6" and "4.2.4.3" with "4.2.5.3".

6.7.2.6.1, 6.7.2.8.1, 6.7.2.8.3, 6.7.3.3.2, 6.7.3.6.1, 6.7.3.7.3 and 6.7.3.14.1 Replace "4.2.4.2.6" with "4.2.5.2.6".

6.7.3.1 In the definition of "Maximum allowable working pressure" under (b) (i) and in the definition of "Filling density" replace "4.2.4.2.6" with "4.2.5.2.6".

6.8.2.1.21 Insert the following text and table in the left column, after "formula given in 6.8.2.1.18": "and shall not be less than the values given in the following table:

	Maximum radius of curvature of shell (m)	≤ 2	2-3	2-3
	Capacity of shell or shell compartment (m ³)	≤ 5.0	≤ 3.5	> 3.5 but ≤ 5.0
Minimum thickness of shell	Austenitic stainless steels	2.5 mm	2.5 mm	3 mm
	Other steels	3 mm	3 mm	4 mm
	Aluminium alloys	4 mm	4 mm	5 mm
	Pure aluminium at 99.80%	6 mm	6 mm	8 mm

6.8.2.5.2 Add the following sentence in the left hand column at the end of the existing text: "The tank code according to 4.3.4.1.1 shall be inscribed on the demountable tank itself or on a plate."

6.10 In Note 2 under the title, replace "fixed tanks and demountable tanks" with "fixed tanks, demountable tanks, tank-containers and tank swap bodies."

6.10.3.5 (e) Add at the end ", tank-container or tank swap body".

6.10.4 Amend to read as follows:
"Vacuum-operated waste tanks shall be subject to an internal and external examination at least every three years for fixed and demountable tanks and at least every two and a half years for tank-containers and tank swap bodies."

PART 7

7.1.3 Replace " UIC leaflets ¹ 590 (updated 1.1.89) and 592-1 to 592-4 (updated 1.7.94)" with "UIC leaflets ¹ 590 (status at 01.01.1979, 10th edition, including amendments Nos. 1 to 4), 591 (status at 01.01.1998, 2nd edition), 592-2 (status at 01.07.1996, 5th edition), 592-3 (status at 01.01.1998, 2nd edition) and 592-4 (status at 01.07.1995, new edition)".

7.5.4 Delete "2.3," in the second paragraph and in sub-paragraph (b) of the third paragraph.

PART 8

8.1.4 Replace section 8.1.4 with the following:

“8.1.4 Fire-fighting equipment

8.1.4.1 The following provisions apply to transport units carrying dangerous goods other than those referred to in 8.1.4.2:

- (a) Every transport unit shall be equipped with at least one portable fire extinguisher for the inflammability classes¹ A, B and C, with a minimum capacity of 2 kg dry powder (or an equivalent capacity for any other suitable extinguishing agent) suitable for fighting a fire in the engine or cab of the transport unit;
 - (b) Additional equipment is required as follows:
 - (i) for transport units with a maximum permissible mass of more than 7.5 tonnes, one or more portable fire extinguishers for the inflammability classes¹ A, B and C, with a minimum total capacity of 12 kg dry powder (or an equivalent capacity for any other suitable extinguishing agent), of which at least one shall have a minimum capacity of 6 kg;
 - (ii) for transport units with a maximum permissible mass of more than 3.5 tonnes up to and including 7.5 tonnes, one or more portable fire extinguishers for the inflammability classes¹ A, B and C, with a minimum total capacity of 8 kg dry powder (or an equivalent capacity for any other suitable extinguishing agent), of which at least one shall have a minimum capacity of 6 kg;
 - (iii) for transport units with a maximum permissible mass of up to and including 3.5 tonnes, one or more portable fire extinguishers for the inflammability classes¹ A, B and C with a minimum total capacity of 4 kg dry powder (or an equivalent capacity for any other suitable extinguishing agent);
 - (c) The capacity of the fire extinguisher(s) required under (a) may be deducted from the minimum total capacity of the extinguishers required under (b).
- 8.1.4.2 Transport units carrying dangerous goods in accordance with 1.1.3.6 shall be equipped with one portable fire extinguisher for the inflammability classes¹ A, B and C, with a minimum capacity of 2 kg dry powder (or an equivalent capacity for any other suitable extinguishing agent).
- 8.1.4.3 The extinguishing agent shall be suitable for use on a vehicle and shall comply with the relevant requirements of EN 3 Portable fire extinguishers, Parts 1 to 6 (EN 3-1:1996, EN 3-2:1996, EN 3-3:1994, EN 3-4:1996, EN 3-5:1996, EN 3-1:1995).
- If the vehicle is equipped with a fixed fire extinguisher, automatic or easily brought into action for fighting a fire in the engine, the portable extinguisher need not be suitable for fighting a fire in the engine. The extinguishing agents shall be such that they are not liable to release toxic gases into the driver's cab or under the influence of the heat of the fire.
- 8.1.4.4 The portable fire extinguishers conforming to the provisions of 8.1.4.1 or 8.1.4.2 shall be fitted with a seal verifying that they have not been used. In addition, they shall bear a mark of compliance with a standard recognized by a competent authority and an inscription at least indicating the date (month, year)

¹ For the definition of the inflammability classes, see Standard EN 2:1992 Classification of fires.

of the next recurrent inspection or of the maximum permissible period of use, as applicable.

The fire extinguishers shall be subjected to periodic inspections in accordance with authorized national standards in order to guarantee their functional safety.

- 8.1.4.5 The fire extinguishers shall be installed on the transport units in a way that they are easily accessible to the vehicle crew. The installation shall be carried out in such a way that the fire extinguishers shall be protected against effects of the weather so that their operational safety is not affected."

PART 9

In the table of Chapter 9.2, against 9.2.3.3, amend note d, under the heading "Comments", to read as follows: "g Mandatory compliance for all motor vehicles as from 1 January 2010". Replace "d" with "g" wherever it appears in the row applicable to 9.2.3.3.

In the table of Chapter 9.2, delete "9.2.3.2" and "9.2.3.3" in the first column and renumber "9.2.3.4", "9.2.3.4.1" and "9.2.3.4.2" as "9.2.3.2", "9.2.3.2.1" and "9.2.3.2.2" respectively.

9.2.2.5.1 (a) In the text of footnote 2, insert ",50021" before "or 50028".

9.2.2.5.1 (b) Add a new paragraph at the end to read as follows:

"However, for permanently energized electrical equipment installed in an environment where the temperature caused by non-electrical equipment situated in that environment exceeds the T6 temperature limit, the temperature classification of the permanently energized electrical equipment shall be at least that of the T4 temperature class."

9.2.3.1 Delete "In addition to the following technical provisions, to be applied in accordance with the table of 9.2.1," and add the following sentence at the end of the paragraph: "EX/III, FL, OX and AT vehicles shall fulfil the requirements of ECE Regulation No. 13⁵, Annex 5."

9.2.3.2 and

9.2.3.3 Delete. Renumber "9.2.3.4", "9.2.3.4.1" and "9.2.3.4.2" as "9.2.3.2", "9.2.3.2.1" and "9.2.3.2.2" respectively.
