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**ECONOMIC COMMISSION FOR EUROPE**

INLAND TRANSPORT COMMITTEE

Working Party on the Transport  
of Dangerous Goods

Joint Meeting of Experts on the Regulations annexed to the  
European Agreement concerning the International Carriage  
of Dangerous Goods by Inland Waterways (ADN)

**REPORT OF THE JOINT MEETING OF EXPERTS ON ITS TENTH SESSION\***  
**(23-25 January 2006)**

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Addendum 1 : Consolidated text of the amendments to the 2005 version  
of the Regulations annexed to ADN adopted by the  
Meeting of Experts at its ninth and tenth sessions  
(ECE/TRANS/WP.15/AC.2/21/Add.1).

Addendum 2 : Consolidated version of Table C (ECE/TRANS/WP.15/AC.2/21/Add.2).

## **ATTENDANCE**

1. The Joint Meeting of Experts on the Regulations annexed to the European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (ADN) held its tenth session in Geneva from 23 to 25 January 2006. Representatives of the following countries took part in the work of the session: Austria; Belgium; Czech Republic; France; Germany; Netherlands; Russian Federation; Switzerland. A representative of the European Commission also took part in the session. The following intergovernmental organizations were also represented: Central Commission for the Navigation of the Rhine (CCNR); Danube Commission. The following non-governmental organization was also represented: International Association of Classification Societies (IACS).

## **ADOPTION OF THE AGENDA**

2. The Joint Meeting adopted the agenda as prepared by the secretariat (TRANS/WP.15/AC.2/20 and -/Corr.1) with the addition of informal documents INF.1 to INF.4.

## **ELECTION OF OFFICERS**

3. On the proposal of the representatives of Belgium and France, Mr. H. Rein (Germany) was elected Chairman.

## **STATUS OF THE EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY INLAND WATERWAYS (ADN)**

4. The Joint Meeting was informed that there had been no new accessions to ADN since the last session.

5. The representative of Germany said that his country had restarted the ratification procedure following legislative elections.

6. The representative of France informed the Meeting that the ratification of ADN has now been initiated in his country.

7. The Chairman informed the Meeting about the draft European Union framework directive on the implementation of ADN in 2009 on the inland waterways of member States.

## **PROPOSALS FOR AMENDMENTS TO THE REGULATIONS ANNEXED TO ADN**

Document: TRANS/WP.15/AC.2/2006/2 (Danube Commission)

8. The proposal by the Danube Commission was adopted except in 8.3.5 where the amendment concerned the Russian version only.

9. On the proposal of the Danube Commission, it was also decided to make a drafting change to the Russian version of 9.3.1.27.5 (see annex).

**Work of the RID/ADR/ADN Joint Meeting**

Document: TRANS/WP.15/AC.2/2006/3 (Secretariat)

Informal document: INF.4 (CCNR)

10. The Joint Meeting of Experts considered the texts of amendments to RID, ADR and ADN adopted by the RID/ADR/ADN Joint Meeting and adopted them insofar as they also concerned ADN, with some changes (see annex) taking the following comments into account.

***Part 1***

Paragraph 1.1.3.1

11. Since the definition of “vehicle” in ADN covered both road vehicles and wagons, it was decided to delete “wagon” in this paragraph.

Paragraph 1.1.3.2 (d)

12. It was considered unnecessary to give the example of inflated pneumatic tyres or to provide for an exemption for inflated pneumatic tyres carried as a load.

Paragraph 1.8.5.1

13. The reference to the model prescribed in 1.8.5.4 was deleted since this model had not yet been prepared for ADN.

***Part 3***

Table A

14. The texts in square brackets of columns (6) to (12) were adopted with some changes (see annex).

Paragraph 5.4.1.1.2

15. The Joint Meeting of Experts decided to add after (h) provisions similar to those following 5.4.1.1.1 (i) concerning where and in what order the information should appear in the transport document.

Paragraph 5.4.1.1.6.2.3

16. Authorization was given to use the transport document for full-capacity carriage of the means of containment for empty means of containment, uncleaned, which contained the residues of dangerous goods of classes other than Class 7.

***Part 7***

Chapter 7.1

17. The proposed amendments to Chapter 7.1 were adopted with some changes.

Paragraph 7.1.4.14.1

18. The Joint Meeting of Experts decided to replace the existing text of 7.1.4.14.1 by paragraphs 7.1.4.14.1.1 to 7.1.4.14.1.4; it was not considered relevant to make provision in holds or on decks for devices to facilitate securing and handling of dangerous goods.

**Proposals from the CCNR**

Document: TRANS/WP.15/AC.2/2006/4 (CCNR)

19. The Joint Meeting of Experts adopted the proposals for amendments in document TRANS/WP.15/AC.2/2006/4 with some changes (see annex), bearing in mind the following comments.

Paragraph 1.1.3.6

20. The Joint Meeting of Experts adopted a new version of 1.1.3.6 on the basis of a proposal initially prepared by Austria.

21. The secretariat was requested to check that the new version was complete with regard to the exemptions for which ADN provided.

Paragraph 1.2.1

22. The question of the pertinent terms was raised during consideration of the amendment concerning the construction pressure. In English, the preference of the Joint Meeting of Experts was to use “design pressure” instead of “construction pressure”. In French, there was a possible choice between “pression de construction” and “pression de conception”; it was, however, decided that “pression de conception” would be used in line with the English version (this change should also be made to 9.3.2.2.3 and 9.3.3.2.3).

23. The discussion revealed that clarification of the following concepts was needed: construction or design pressure, test pressure, working pressure.

24. The Chairman said that the task of clarification would be undertaken for the 2009 version of ADN.

25. The CCNR secretariat was requested to prepare a definition of “sampling devices (closed and partially closed and sampling openings)”, since this definition was only available in German (see annex).

Paragraph 1.6.7.3.2.1

26. The English version of the transitional requirements for 9.3.3.11.7 should be brought into line with the French.

Table C

27. The Joint Meeting of Experts decided to replace “61° C” by “60° C” (this amendment should be made wherever required in ADN, see paragraph 2.2.2.1.5 of document ECE/TRANS/WP.15/AC.2/2006/3).

Paragraph 9.3.x.17.5 (f)

28. The provision adopted constituted an exemption from 9.3.x.11.4.

Paragraph 9.3.x.21.5

29. The representative of Belgium would check the reference to the relevant standards and inform the secretariat.

**Table C**

Informal document: INF.2 (Secretariat)

30. The Joint Meeting of Experts considered a consolidated version of Table C of ADN, taking into account proposals for amendments contained in documents TRANS/WP.15/AC.2/19/Add.1, TRANS/WP.15/AC.2/2006/3 and TRANS/WP.15/AC.2/2006/4.

31. This version also took account of the decision adopted at the last session to bring the presentation of Table C into line with that of ADNR with regard to the use of upper and lower case letters; “boiling point” etc., however, did not need to figure in upper case since remark 29 in column (20) already provided that these particulars would appear in the transport document if necessary (see TRANS/WP.15/AC.2/19, para. 12).

32. It was pointed out that some differences of presentation still remained in the use of upper and lower case letters and the secretariats were asked to check this.

33. With regard to the harmonization of Tables A and C, the Chairman stressed the importance of this issue and invited the CCNR secretariat to include it in the agenda of its next session so that names and descriptions would be harmonized for the 2009 version of ADN.

34. The Joint Meeting of Experts adopted amendments to Table C (see annex).

35. It requested the secretariat to publish the consolidated version of Table C as an addendum to the report of the current session.

36. The CCNR secretariat was requested to check the entries for relative density at 20° C for UN No. 2430.

37. It was pointed out that in general the accuracy for relative density was to two decimal points; some new entries, however, went as far as three decimal points. A new rule should be established for the 2009 version of ADN.

**MATTERS RELATING TO THE RECOGNITION OF CLASSIFICATION SOCIETIES**

38. The Joint Meeting was informed that the Meeting of Experts for the recognition of classification societies had not held a session in 2005.

39. The Chairman said that an application for recognition had been received while another application had been announced and that the Meeting of Experts for the recognition of classification societies could hold its next session in the spring of 2006.

40. The representative of IACS expressed the hope that there would not be too much delay in holding the sessions to discuss the recognition of classification societies.

41. The representative of the Russian Federation said that the Russian Maritime Register of Shipping had in February 2005 sent an application for recognition to the secretariat through the Ministry of Transport of the Russian Federation.

#### **PROGRAMME OF WORK**

42. The Joint Meeting of Experts was informed that its next session was scheduled from 22 to 26 January 2007. It should start work on the series of amendments for the 2009 versions in accordance with the procedure established at the eighth session (TRANS/WP.15/AC.2/17, annex 2).

43. The secretariats were requested to publish as quickly as possible the amendments to ADN which all countries interested in becoming Contracting Parties to ADN should implement nationally by 1 January 2007, and to publish as soon as possible, and in all events before 1 January 2007, the consolidated version of ADN 2007.

#### **ADOPTION OF THE REPORT**

44. The Joint Meeting of Experts adopted the report of its tenth session and its annex on the basis of a draft prepared by the secretariat.

Annex

**TEXTS ADOPTED BY THE JOINT MEETING OF EXPERTS**

**Document ECE/TRANS/WP.15/AC.2/2006/2** adopted with the following modifications:

8.3.5 The amendment only applies to the Russian text.

**Document ECE/TRANS/WP.15/AC.2/2006/3** adopted with the following modifications:

Delete the square brackets.

1.1.3.1 (f) Third indent, delete "wagon,".

1.1.3.2 (d) Replace "vehicle" with "vessel". At the end, delete "(e.g. inflated pneumatic tyres); this exemption also applies to inflated pneumatic tyres carried as a load".

1.1.4.3 Delete the amendment.

1.2.1 In the definition of *UIC*, replace "75015" with "F-75015".

1.4.3.3 The first modification does not apply to the English text. Add the following consequential amendment: "Renumber following sub-paragraphs accordingly".

1.6.1.1 Add the following new amendment:

"1.6.1.1 Replace "2005" with "2007" and "2004" with "2006"."

1.6.1.11 Delete the amendment.

1.7.2.3 In the second sentence, replace "second sentence" with "current first sentence (new second sentence)".

1.8.5.1 The first modification does not apply to the English text. Delete the text in square brackets.

2.2.1.1.7 Delete "hazard".

2.2.1.1.7.1 Delete "hazard" (twice).

2.2.1.1.7.2 Replace "UN Nos." with "UN No.". In Note 2: Replace "Hazard Division to fireworks types and/or sub-divisions by the specification" with "fireworks specified" and delete "hazard".

2.2.1.1.7.3 Delete "hazard" (twice).

2.2.1.1.7.5 The first modification does not apply to the English text. In Note 3, replace "refers" with "refer".

2.2.41.1.9 The modification does not apply to the English text.

2.2.62.1.5.6 The modification does not apply to the English text.



2.2.7.4.6 (a) (i) and (ii) The first modification does not apply to the English text. Replace "1990" with "1999".

2.2.7.4.6 (a) (ii) At the end, amend the title of the standard to read "Radiation protection - Sealed Radioactive Sources – General requirements and Classification".

2.2.7.4.6 (b) Insert the following amendment: "Replace "1980" with "1999".

2.2.7.7.1.7 and 2.2.7.7.1.8 At the beginning, replace "Amend" with "Under the title, amend".

Supplementary amendments:

2.2.9.2 Amend the second indent to read as follows:

"- Uncleaned empty containment vessels for apparatus such as transformers, condensers and hydraulic apparatus containing substances assigned to UN Nos. 2315, 3151, 3152 or 3432."

9.3.1.27.5 This amendment only applies to the Russian text.

3.2.1 Insert the following amendment: "In the explanatory note for column (5), delete the second indent and replace ";" with "."."

Table A

Delete the following amendment: "For UN Nos. 2758, ... and 3346, add "61" in column (6)."

UN 1463, insert the following amendment: "In column (3b), replace "OC2" with "OTC"."

UN 1779, insert the following amendment: "Insert "EX, A" in column (9)."

UN 3373, the consequential amendment also applies to 2.2.62.1.3.

Insert the following new modifications to Table A:

UN Nos	Column	Modification
1133, 1139, 1169, 1197, 1210, 1263, 1266, 1267, 1268, 1286, 1287, 1308, 1863, 1866, 1989, 1993, 2059 and 3295	(6)	Delete "640A" for each entry that is assigned 640A.
1267, 1268 and 3295	(6)	Delete the entries for which 640P is assigned in column (6)
1267, 1268 and 3295	(6)	Add "649" for each entry that is assigned 640A.

Amend the new entries as follows:

UN Nos	Column	Modification
1649	(6)	Add "802". Delete "162".
	(9)	Insert "EX" before "TOX"

	(10)	Insert "VE01" before "VE02"
2030	(9)	Insert "EX" before "TOX"
	(10)	Insert "VE01" before "VE02"
2900	(6)	Amend to read "318/ 802"
3245	(2)	Insert "or GENETICALLY MODIFIED ORGANISMS" after "MICRO-ORGANISMS"
3412 PG III, 3471 PG III and 3472	(7)	Replace "LQ19" with "LQ7"
3463 PG I, II and III and 3470	(9)	Insert ", EX, A" after "EP"
3469 PG III and 3471 PG III	(6)	Delete "223"
3470	(10)	Insert "VE01"
3471 PG II	(9)	Insert "PP, EP"
	(12)	Insert "0"

In the consequential amendments, delete ", 2.2.62.3".

3.3.1 The amendments to special provisions 162, 204, 282, 298, 320 and 634 should read: "Amend to read as follows: (Deleted).".

SP 645 Delete "hazard".

5.1.5.1.2 The modification does not apply to the English text.

5.2.2.1.11.5 Replace "authorities" with "authority".

5.2.2.1.12 and 5.2.2.2.1.2 The modifications do not apply to the English text.

5.4.1.1.2 and 5.4.1.1.3 Add the following new amendments:

"5.4.1.1.2 In the paragraph after (h), add :

"The location and order in which the elements of information required appear in the transport document is left optional, except that (a), (b), (c) and (d) shall be shown in the order listed above (i.e. (a), (b), (c), (d)) with no information interspersed, except as provided in ADN.

Examples of such permitted dangerous goods descriptions are:

"UN 1230 METHANOL, 3 (6.1), II", or  
 "UN 1230 METHANOL, 3 (6.1), PG II".

5.4.1.1.3 Replace the second example with:

"WASTE, UN 1230 METHANOL, 3 (6.1), PG II".

Replace the fourth example with:

"WASTE, UN 1993 FLAMMABLE LIQUID, N.O.S. (toluene and ethyl alcohol), 3, PG II".

5.4.1.1.6 At the end of the title, add "and for empty cargo tanks of tank vessels"

- 5.4.1.1.6.2.2 In the example, replace "TANK-VEHICLE" with "TANK-CONTAINER" (twice).
- 5.4.1.1.6.2.3 Delete "consignment notes/".
- 5.4.1.1.6.4 Insert the following:  
"5.4.1.1.6.4 *Unchanged.*"
- 5.4.1.2.5.3 Replace "authorities" with "authority".
- 7.1.1.16 Renumber as 7.1.4.14.1.4.
- 7.1.4.14.x.x Renumber as 7.1.4.14.1.1. This new paragraph replaces existing 7.1.4.14.1.  
Delete the first sentence and "in the cargo deck area or in the hold spaces" (twice).
- 7.1.4.14.x.y and 7.1.4.14.x.z Renumber as 7.1.4.14.1.2 and 7.1.4.14.1.3.
- 7.1.4.14.7.1.1 At the beginning, replace "and tanks" with ", tanks and vehicles".

**Documents TRANS/WP.15/AC.2/19/Add.1 and ECE/TRANS/WP.15/AC.2/2006/3** adopted with the following modifications:

Table C

Insert the following new modifications:

UN Nos	Column	Modification
1010 (1st position)	(2)	Read: "1,2- BUTADIENE, STABILIZED"
1010 (2nd position)	(2)	Read: "1,3- BUTADIENE, STABILIZED"
1143	(2)	Read: "CROTONALDEHYDE or CROTONALDEHYDE STABILIZED "
1155	(2)	Read: "DIETHYL ETHER"
1170 Packing Group II (1st position)	Delete	
1170 Packing Group II (2nd position)	(2)	Read: "ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), aqueous solution with more than 70 % alcohol by volume"
1199	(2)	Read: "FURALDEHYDES (a-FURALDEHYDE) or FURFURALDEHYDES (a-FURFURYLALDEHYDE)"
1202 (second position)	(2)	In column (2), use the same designation in ADR
1202 (last position)	(2)	Read: "GAS OIL or DIESEL FUEL or HEATING OIL (LIGHT) (flash point more than 60 °C but not more than 100 °C)"
1219	(2)	Read: "ISOPROPANOL or ISOPROPYL ALCOHOL"
1274 (1st and 2nd positions)	(2)	Read: "n-PROPANOL or n-PROPYL

		ALCOHOL"
1779	(5)	Read: "8 / +3"
1831	(2)	Read: "SULPHURIC ACID, FUMING"
1912	(2)	Read: "METHYL CHLORIDE AND METHYLENE CHLORIDE MIXTURE"
1989 (all positions)	(2)	Add "FLAMMABLE," after "ALDEHYDES,"
1999	(2)	Read: "TARS, LIQUID, including road asphalt and oils, bitumen and cut backs"
2057	(2)	Read: "TRIPROPYLENE"
2286	(2)	Read: "PENTAMETHYLHEPTANE"
2430 (both positions)	(12)	Delete "95" and check data for column (12).
2579	(2)	Read: "PIPERAZINE, MOLTEN"
2586	(2)	Add "or ARYLSULPHONIC ACIDS, LIQUID" after "LIQUID"
2789 (1st position)	Delete	
2789 (2nd position)	(2)	Read: "ACETIC ACID, GLACIAL or ACETIC ACID SOLUTION, more than 80 % acid, by mass"
3259	(2)	Read: "AMINES, SOLID, CORROSIVE, N.O.S. (MONOALKYL(C <sub>12</sub> TO C <sub>18</sub> )-AMINE ACETATE, MOLTEN)"
3295 (15th position, new version of Table C)	(13)	Replace "1" with "2"
3426	(2)	Read: "ACRYLAMIDE, SOLUTION"
9000	(2)	Read: "AMMONIA, ANHYDROUS, DEEPLY REFRIGERATED"

Insert the following new entries:

(1)	(2)	3 (a)	3 (b)	(4)	(5)	(6)	(7)
2057	TRIPROPYLENE	3	F1	II	3	N	2
2302	5-METHYLHEXAN-2-ONE	3	F1	III	3	N	3
2904	PHENOLATES, LIQUID	8	C9	III	8	N	4
3256	ELEVATED TEMPERATURE LIQUID, FLAMMABLE, N.O.S. with flash-point above 60 °C, at or above its flash-point (Low QI Pitch)	3	F2	III	3	N	3
3295	HYDROCARBONS, LIQUID, N.O.S. $vp_{50} \leq 110$ kPa	3	F1	I	3	N	2
3412	FORMIC ACID with not less than 10% but not more than 85% acid by mass	8	C3	II	8	N	2
3412	FORMIC ACID with not less than 5% but less than 10% acid by mass	8	C3	III	8	N	2
3463	PROPIONIC ACID with not less than 90% acid by mass	8	CF1	II	8	N	3
					+3		

**Document ECE/TRANS/WP.15/AC.2/2006/4** adopted with the following modifications:

1.1.3.6 (b) Replace "tank road vehicles" with "tank vehicles".

1.1.3.6 (d) and (e) Replace "road vehicles" with "vehicles".

1.1.3.6 (g) Delete.

1.2.1 Replace "vacuum construction pressure" with "vacuum design pressure".  
For the definition of *Construction pressure*, add the following new amendment:  
"Replace "*Construction pressure*" with "*Design pressure*".

Add the following consequential amendment:

"9.3.3.23.2 Replace "*construction pressure*" with "*design pressure*".  
Delete the amendment related to the definition of "*Sampling opening*".

1.6.7.2.1 Replace "1.6.7.2.1" with "1.6.7.2.3.1".

3.2.1 Table A

For 2904, replace "column (20)" with "column (13)".  
For 3175, replace "61 °C" with "60 °C".

3.2.3 Table C

For 3256, in column (2), replace "61 °C" with "60 °C".

7.2.5.0.1 Replace "10" with "20".

9.3.x.11.4

9.3.x.21.5 First paragraph, replace "For the purpose, an independent fail-safe power line" with "For this purpose, an independent intrinsically safe power line".  
Second paragraph, replace "two-pin plug" with "two-pole socket".  
Third paragraph, replace "The plug" with "This socket".

Add the following consequential amendment:

"9.3.1.21.5, 9.3.2.21.5 and 9.3.3.21.5 Replace "*IEC Publication No. 309 (1992)*" with "*standard EN 60309-2:1999*".

9.3.3.15.2 In the figure, replace "12 °C" with "12°".

9.3.x.17.5 (f) Add at the beginning: "Notwithstanding 9.3.x.11.4".

New amendments:

1.2.1 Insert the following new definitions:

"*Closed-type sampling device* means a device penetrating through the boundary of the cargo tank but constituting a part of a closed system designed so that during sampling no

gas or liquid may escape from the cargo tank. The device shall be of a type approved by the competent authority for this purpose."

"*Partly closed sampling device* means a device penetrating through the boundary of the cargo tank such that during sampling only a small quantity of gaseous or liquid cargo can escape into the open air. As long as the device is not used it shall be closed completely. The device shall be of a type approved by the competent authority for this purpose."

"*Sampling openings* means opening with a diameter of not more than 0.30 m fitted with a flame arrester plate stack, capable of withstanding steady burning and so designed that the opening period will be as short as possible and that the flame arrester plate stack cannot remain open without external intervention. The flame arrester plate stack shall be of a type approved by the competent authority for this purpose."

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