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ECONOMIC COMMISSION FOR EUROPE

INLAND TRANSPORT COMMITTEE

**Working Party on the Transport
of Dangerous Goods**

REPORT OF THE WORKING PARTY ON ITS SIXTY-EIGHT SESSION
(15-19 May 2000)

Addendum 1

Texts adopted by the Working Party for the restructured Annexes A and B
of the European Agreement concerning
the international carriage of dangerous goods by road (ADR)

GE.00-

PART 1

Text of document TRANS/WP.15/159/Add.1 with the following modifications:

- 1.1.2.1 (Doesn't apply to the English version)
- 1.1.2.2 Delete "1.1.4.1 (Applicability of other regulations) General", and add in the list, before "Chapter 3.1", "1.9 Transport restrictions by the competent authorities".
- 1.1.3.3 (a) Add at the end of the second sentence:
".. , which comply with the pertinent legal provisions, or may be carried in portable fuel containers (such as jerricans)."
- 1.1.3.6.2 In the English version, add "unit" after "..in packages in one transport" and add to the list of exemptions:
" - Chapter 1.3;
- Chapter 5.3;
- Section 5.4.3;"
- 1.1.3.6.3 Table and following text:
Column (2) Transport category 1:
Class 1: (Doesn't apply to the English version)
Add a new entry to read as follows: "Class 5.2: 3101 to 3104 and 3111 to 3120".
Column (2), Transport category 2, move "1.5D^a" to Transport category 1 and add the following entries:
" Class 4.1: 3225 to 3230
Class 5.2: 3105 to 3110"
Column (2), Transport category 3, substitute "transport categories 2 or 4" with "transport categories 0, 2 or 4".
Column (3), Transport category 2, substitute "300" with "333".
Delete last paragraph beginning with "The term "nominal capacity.." and amend last indent to read as follows:
"-for liquids and compressed gases, nominal capacity of receptacles (see definition in 1.2.1) in litres."
- 1.1.4.1 Reserved. The text becomes the text of new Chapter 1.9 with the title "Transport restrictions by the competent authorities"
Adapt paragraph numbers and crossed-references in 1.1.4.1.1 to 1.1.4.1.4 .
- 1.1.4.2 Amend the title to read as follows: "Carriage in a transport chain including maritime or air carriage"

Amend the first sentence to read as follows:

"Packages, containers, portable tanks and tank-containers, which do not entirely meet the requirements for packing, mixed packing, marking, labelling of packages or placarding and orange plate marking, of ADR, but are in conformity with the requirements of the IMDG Code or the ICAO Technical Instructions shall be accepted for carriage in a transport chain including maritime or air carriage subject to the following conditions:"

- (a) (Doesn't apply to the English version)
- (c) Amend to read as follows:

"For carriage in a transport chain including maritime carriage, if the containers, portable tanks or tank-containers are not marked and placarded in accordance with Chapter 5.3 of this Annex, they shall be marked and placarded in accordance with Chapter 5.3 of the IMDG Code. In such case, only 5.3.2.1.1 is applicable to the marking ...".

- 1.1.4.3 Amend to read as follows:

"Use of portable tanks approved for maritime transport"

Portable tanks which do not meet the requirements of Chapters 6.7 or 6.8, but which have been built and approved before 1 January 2003 in accordance with the provisions (including transitional provisions) of the IMDG Code (Amdt. 29-98) may be used until 31 December 2009 provided they are found to meet the applicable inspection and test provisions of the IMDG Code (Amdt. 29-98) and that the instructions referred to in columns (12) and (13) of Chapter 3.2 of the IMDG Code (Amdt. 30-00) are fully complied with. They may continue to be used after 31 December 2009 if they meet the applicable inspection and test provisions of the IMDG Code, but provided that the instructions of columns (10) and (11) of Chapter 3.2 of ADR and of Chapter 4.2 are complied with."

The note remains unchanged.

- 1.1.4.5.2 Amend to read as follows:

"In the cases referred to in 1.1.4.5.1 above, the involved ADR Contracting Parties may agree to apply the requirements of ADR to the section of a journey where a vehicle is conveyed otherwise than by road haulage, supplemented, if they consider it necessary, by additional requirements, unless such agreements between the involved ADR Contracting Parties would contravene clauses of the international Conventions governing the carriage of dangerous goods by the mode of transport used for conveying the road vehicle on the said section of the journey, e.g. the International Convention for the Safety of Life at Sea (SOLAS), to which these ADR Contracting Parties would also be contracting parties.

These agreements shall be notified by the Contracting party which has taken the initiative thereof to the Secretariat of the United Nations Economic Commission for Europe which shall bring them to the attention of the Contracting Parties."

- 1.1.4.5.3 Text of previous 1.1.4.5.2.

- 1.2.1 Amend the following definitions:

- "Battery-vehicle" substitute "with a capacity greater than 450 litres" with "with a capacity of more than 450 litres"
- "Calculation pressure, "Leakproofness test", "Maximum permissible gross mass", "Maximum working pressure (gauge pressure)", "Mild steel", "Service equipment", "Shell", "Structural equipment", "Test pressure", add the following Note :
"NOTE: For portable tanks, see Chapter 6.7."
- "Composite packaging (plastics material)": (Doesn't apply to the English version)
- "Consignor": substitute "dispatches" with "consigns"
- "Container": (Doesn't apply to the English version)
- "Crate", "Flammable component", "Packing group", "Tray", substitute "is" with "means" at the beginning of the definition
- "Cryogenic receptacle" delete "deeply"
- "Dangerous reaction": amend (b) to read as follows:
"evolution of flammable, asphyxiant, oxidizing and/or toxic gases;"
- "Gas": substitute "20 C" with "20 °C"
- "Intermediate bulk container": delete "(3000 litres)" and in NOTE 1, substitute "Chapter 6.7 and 6.8" with "Chapter 6.7 or 6.8"
- "Mild steel": substitute "breaking" with "tensile"
- "Multiple elements gas container (MEGC)" and "battery-vehicle (Doesn't apply to the English version)
- "Open container" and "Sheeted container" add "means" at the beginning of the definition;
- "Package": substitute in the last sentence "substances" with "goods"
- "Packing group", add the following note at the end of the definition:
"NOTE: Certain articles containing dangerous goods are assigned to a packing group."
- "Portable tank": substitute "the definition in the UN Model Regulations" with "the definitions in Chapter 6.7" and delete the square brackets
- "Remanufactured packaging": (Doesn't apply to the English version)
- "Safety valve" and "Vacuum valve": amend the beginning of the sentence to read as follows:
"means a spring-loaded device which is activated automatically by pressure.."
- "Tank": add the following note:
"NOTE: For portable tanks, see 6.7.4.1"
- "Tank-container operator": amend to read as follows:

"Tank-container / portable tank operator" means an enterprise in whose name the tank-container / portable tank is registered;

Add the following definitions:

- "Hermetic", "Tank-container operator", "Rigid inner receptacle", "Test pressure", definitions to be added in the French version
- "Leakproofness test" means a test to determine the leakproofness of a tank, a packaging or an IBC and of the equipment and closure devices;
- "Portable tank operator", see "Tank-container / portable tank operator";
- "Vacuum-operated waste tank" means a fixed or demountable tank primarily used for the carriage of dangerous wastes, with special constructional features and/or equipment to facilitate the loading and unloading of wastes as specified in Chapter 6.10. A tank which fully complies with the requirements of Chapter 6.7 or 6.8 is not considered to be a vacuum-operated waste tank;

1.4.2.1.1 (a) and

1.4.2.2.1 (a) Amend the end of the sentence to read as follows:

"... authorized for carriage in accordance with ADR"

1.4.2.1.2, 1.4.2.3.2

and 1.4.3.4 (b) Substitute "guarantee" with "ensure"

1.4.2.3.1 (b) Amend to read as follows:

"(b) ensure that the containers once completely unloaded, cleaned and decontaminated, no longer bear danger markings conforming to Chapter 5.3 "

1.4.2.3.3 Delete the brackets and the note between brackets

1.4.3.1.1 (d) Amend to read as follows:

"(d) he shall, after loading dangerous goods into a container comply with the requirements concerning danger markings conforming to Chapter 5.3"

1.4.3.1.2 Add "(a)" before "(d)"

1.4.3.2 (b) (Doesn't apply to the English version)

1.4.3.3 (h) Amend to read as follows:

"...he shall, in preparing the dangerous goods for carriage, ensure that the orange plates and placards or labels prescribed are affixed on the tanks, on the vehicles and on the large and small containers for carriage in bulk in accordance with the requirements;"

(i) Deleted

1.4.3.4 (c) Substitute "a special check" with "an exceptional check".

1.6.3.18 (Doesn't apply to the English version)

- 1.6.3.19 Add a new paragraph 1.6.3.19 to read as follows:
- "1.6.3.19 Fibre-reinforced plastics (FRP) tanks
FRP tanks which have been constructed before 1 July 2002 in conformity with a design type approved before 1 July 2001 in accordance with the requirements of Appendix B1.c which were in force until 30 June 2001 may continue to be used until the end of their lifetime provided that all the requirements in force up to 30 June 2001 have been and continue to be complied with.
However, as from 1 July 2001, no new design type may be approved in accordance with the requirements in force until 30 June 2001."
- 1.6.5.1 The sentence beginning with "As regards the construction..." becomes new paragraph 1.6.5.4. Insert "31 December 2002" between the existing square brackets at the end of that sentence.
- 1.6.6.4 Insert a new paragraph to read as follows:
- "For the carriage of Class 7 material, the transitional measures of 1.6.1.1 shall be applicable up to 31 December 2001 only, except with respect to the application of Chapters 1.4 and 1.8 for which they shall remain applicable until 31 December 2002."
- 1.8.1.4 (Doesn't apply to the English version)
- 1.8.3 Delete all the square brackets.
- 1.8.3.1 Amend the beginning of the sentence to read: "... or the related packing, loading, filling or unloading, of dangerous..."
- 1.8.3.11 (b) 3rd indent: Amend to read as follows:
- "- marking and labelling, placarding and orange plates marking (marking and labelling of packages, placing and removal of placards and orange plates);"
- 4th indent: Delete "consignor's declaration of conformity"
- 14th indent: Substitute "driver" with "crew".
- 17th indent: Amend to read as follows: "operational discharges or accidental leaks of pollutants".
- 1.8.3.13 Delete "[1268 and 1863]"
- 1.8.3.18 Delete the text between the two "[Strike out what does not apply]" included.
- 1.8.6 Becomes 1.8.5. Amend the title to read as follows: "Notification of occurrences involving dangerous goods"
- 1.8.6.1 (Now 1.8.5.1) Amend the existing paragraph to read as follows:
- "If a serious accident or incident takes place during the carriage of dangerous goods on the territory of a Contracting Party, the carrier is required to make a report to the competent authority of the Contracting Party concerned."

1.8.5.2 Add the following paragraph:

"That Contracting party shall in turn, if necessary, make a report to the Secretariat of the United Nations Economic Commission for Europe with a view to informing the other Contracting Parties."

PART 2

Text of document TRANS/WP.15/AC.1/80/Add.2, with the corrections to be reproduced in TRANS/WP.15/AC.1/80/Add.2 /Corr.1, as necessary.

PART 3

Chapters 3.1, 3.2 and 3.4

Text of document TRANS/WP.15/AC.1/80/Add.3 with the following modifications:

Chapter 3.2 In the title, delete "GOODS"

3.2.1 In the first sentence, delete "in Chapter 3.2"

In the second paragraph, add "(cell)" after "The intersection of columns and rows"

In the first indent, at the end, replace "cell" with "column"

Under "Column (3b) Classification code", in the second indent, amend "an item number and hazardous property group," to read "a number and hazardous property group letter(s),"

Under "Column (7) Limited quantities", substitute "... 3.4.5 and 3.4.6 ..." with "... 3.4.5 or 3.4.6 ..."

Under "Column (8) Packing instructions", substitute "cannot" with "may not" (3 times)

Replace "(9)" with "(9a)" (3 times) in the indents under "Column (9a) Special packing provisions", and under the note at the end of "Column (8) Packing instructions"

Under "Column 9(b) Mixed packing provisions", amend the 2nd and 3rd sentences to read as follows: " These codes starting with the letters "MP" are listed in 4.1.10 in numerical order. If column 9(b) doesn't contain a code starting with the letters "MP", only the general requirements apply (see 4.1.1.5 and 4.1.1.6)."

Under "Column (12) Tank codes for ADR tanks"

- in the first paragraph, substitute "substances of Class 2" with "gases of Class 2" (twice);
- at the end of the second sentence, amend to read "for the carriage of the relevant substance in ADR tanks";
- in the second paragraph amend "tank type" to read, tank code";
- in the third and fourth paragraph add "tank" before "code"

Under "Column (13) Special provisions for ADR tanks", in the first sentence delete "metal"

At the end of 3.2.1, delete the text in square brackets and add the following text:

- "Column (14) Vehicle for tank carriage
Contains a code designating the vehicle (see 9.1.1) to be used for the carriage of the substance in tank in accordance with 7.4.2. The requirements concerning the construction and approval of vehicles are to be found in Chapters 9.1, 9.2 and 9.7.
- Column (15) Transport category
Contains a figure indicating the transport category to which the substance or article is assigned for the purposes of exemption related to quantities carried per transport unit (see 1.1.3.6).
- Column (16) Special provisions for carriage - Packages
Contains the alphanumeric code(s), starting with letter "V", of the applicable special provisions (if any) for carriage in packages. These are listed in 7.2.4. General provisions concerning the carriage in packages are to be found in Chapters 7.1 and 7.2.
- NOTE: In addition, special provisions indicated in column (18), concerning loading, unloading and handling, shall be observed.*
- Column (17) Special provisions for carriage - Bulk
Contains the alphanumeric code(s), starting with letters "VV", of the applicable special provisions for carriage in bulk. These are listed in 7.3.3. If no code is given, carriage in bulk is not permitted. General provisions concerning the carriage in bulk are to be found in Chapters 7.1 and 7.3.
- NOTE: In addition, special provisions indicated in column (18), concerning loading, unloading and handling, shall be observed.*
- Column (18) Special provisions for carriage - Loading and unloading
Contains the alphanumeric code(s), starting with letters "CV", of the applicable special provisions for loading, unloading and handling. These are listed in 7.5.11. If no code is given, only the general provisions apply (see 7.5.1 to 7.5.10).
- Column (19) Special provisions for carriage - Operation
Contains the alphanumeric code(s), starting with letter "S", of the applicable special provisions for operation which are listed in Chapter 8.5. These provisions shall be applied in addition to the requirements of Chapters 8.1 to 8.4 but in the event of conflict with the requirements of Chapters 8.1 to 8.4, the special provisions shall take precedence.
- Column (20) Hazard identification number
Contains a two or three figures number (in some cases prefixed by the letter "X") which shall appear on the upper part of the orange-coloured plate when required for carriage in tank or in bulk according to 5.3.2.1. The meaning of the hazard identification numbers is explained in 5.3.2.3.

3.4.4 and

- 3.4.5 At the end of the first sentence delete "or article"
- 3.4.4(c) Replace "identification number" with "UN number" (three times)
- 3.4.6 In the table
- For "LQ4", "LQ5" and "LQ6", delete "(metal)/500 ml (plastics)" in the 4th column
- For "LQ19" delete "and 20 kg" in the 3rd column

Chapter 3.3

Text of document TRANS/WP.15/159/Add.2 with the following modifications:

- 3.3.1 Amend to read as follows: "When Column (6) of Table A of Chapter 3.2 indicates that a special provision is relevant to a substance or article, the meaning and requirements of that special provision are as set forth below."
- In the whole Chapter add "UN No." before the 4 digits of the UN No.
- In the final version all the references between brackets to the UN Nos. to which the special provisions apply will be deleted.
- 15 and 18 Add at the end "of 4.1.4.1."
- 43 Amend the reference into brackets to read as follows "(see 2.2.61.1.10 to 2.2.61.1.11.2)"
- 113 Does not apply to UN No. 2015
- 119 Delete "considered"
- 133 Deleted
- 162 Replace "a flash-point less than " by "a flash-point of not more than"
- 163 Amend to read as follows: "A substance mentioned by name in Table A of Chapter 3.2 shall not be transported under this entry. Substances transported under this entry may contain 20% or less nitrocellulose provided the nitrocellulose contains not more than 12.6% nitrogen (by dry mass)."
- 172 Replace "transport units" by "vehicles or containers"
- 178 Replace "the list" by "Table A of Chapter 3.2"
- 194 Applies to UN Nos. 3221 to 3240
- 223 Add "of Table A of Chapter 3.2" after "column [3a]"
- 225 Replace "of Division 1.4, compatibility group C or S" by "of Classification Code 1.4C or 1.4S"

- 230 The end of (b) will read as follows "a violent rupture under normal conditions of transport"
- 236 Replace " the Dangerous Goods List" by "Table A of Chapter 3.2"
- 239 Replace "dangerous goods" by "dangerous substances", four times
- 242 Delete ", pastilles"
- 250 (a) Amend to read as follows " It shall be packed according to Packing Instruction 623 in the ICAO Technical Instructions (see S-3-8 of the Supplement); and"
- 251 Replace "the Dangerous Goods List" by "Table A".
- 274 Applies to UN Nos. 2814 and 2900 but doesn't apply to UN No. 3291
- 280 Delete "of this Annex".
- 283 Delete "each article" from the end of the first sentence and add it at the beginning of par. (a),(b),(c) and (d)
- 287 Amend to read as follows:
"New, uncycled and uncharged lithium ion cells and batteries are not subject to the requirements of ADR:
- (a) if the electrolyte does not meet the definition of any class in ADR; or
 - (b) if the electrolyte meets the definition of a class in ADR, it will not flow from a ruptured or cracked case and there is no free liquid to flow."
- 290 "in the list of dangerous goods in Table A in Chapter 3.2 " to read "of Table A of Chapter 3.2"
- 291 Delete "considered"
- 296 Amend (a) to read as follows: "Class 2 compressed gases group A or O, according to 2.2.2.1.3;"
- 500 Add "of 4.1.4.1" after "Packing instruction P300"
- 522 Substitute " more than 72% (mass) acid" by "more than 72% pure acid, by mass"
- 526 Amend to read as follows "UN No. 2000 celluloid is assigned to Class 4.1."
- 527 Applies to UN Nos. 2003, 3049, 3050 and 3203
- 537 Amend the beginning to read as follows: "Titanium trichloride or UN No. 2869 titanium chloride mixture..."
- 542 Delete "(UN No. 2590)"
- 544 Amend the beginning to read as follows: "UN No. 1032 dimethylamine, anhydrous, UN No. 1036 ethylamine,..."

- 545 Substitute "less than 10% (mass) water" with "less than 10% water by mass"
- 560 Amend the beginning to read as follows: "UN No. 3257 elevated temperature liquid, n.o.s.,..." and delete "(UN No. 3257)"
- 565 Substitute " shall be assigned to this UN No. (3291)." with "shall be assigned to this entry"
- 566 Substitute "not less than 37%" with "more than 37%"
- 568 Amend to read as follows: "Barium azide with a water content lower than the stated limit is a substance of Class 1, UN No. 0224."
- 580 Add the following new special provision:

"Tank-vehicles, specialized vehicles and specially equipped vehicles shall bear on both sides and at the rear the mark referred to in 5.3.3. Tank-containers, portable tanks, special containers and specially equipped containers shall bear this mark on both sides and at each end.
[For UN Nos. 3257, 3258]"
- 581 Add the following special provision:
"This entry covers mixtures of methylacetylene and propadiene with hydrocarbons, which as MIXTURE P1, contain not more than 63% methylacetylene and propadiene by volume and not more than 24% propane and propylene by volume, the percentage of C₄-saturated hydrocarbons being not less than 14% by volume; and as MIXTURE P2, contain not more than 48% methylacetylene and propadiene by volume and not more than 50% propane and propylene by volume, the percentage of C₄-saturated hydrocarbons being not less than 5% by volume, as well as mixtures of propadiene with 1 to 4% methylacetylene.

When relevant, the designation "MIXTURE P1" or "MIXTURE P2" may be used as proper shipping name instead of "METHYLACETYLENE AND PROPADIENE MIXTURE, STABILIZED" for compliance with transport document requirements (5.4.1.1) and tank marking requirements (6.7.3.16 or 6.8.3.5).
[UN No.1060]"
- 582 Add the following special provision:
"This entry covers, inter alia, mixtures of gases indicated by the letter R ..., which as MIXTURE F1, have a vapour pressure at 70° C not exceeding 1.3 MPa (13 bar) and a density at 50 °C not lower than that of dichlorodifluoromethane (1.30 kg/l); MIXTURE F2, have a vapour pressure at 70 °C not exceeding 1.9 MPa (19 bar) and a density at 50 °C not lower than that of dichloridifluoromethane (1.21 kg/l); MIXTURE F3, have a vapour pressure at 70 °C not exceeding 3 MPa (30 bar) and a density at 50 °C not lower than that of chlorodifluoromethane (1.09 kg/l).

NOTE: Trichlorofluoromethane (REFRIGERANT GAS R 11), 1,1,2-trichloro-1,2,2-trifluoroethane (REFRIGERANT GAS R 113), 1,1,1-trichloro-2,2,2-trifluoroethane

(REFRIGERANT GAS R 113a), 1-chloro-1,2,2-trifluoroethane (REFRIGERANT GAS R 133) and 1-chloro-1,1,2-trifluoroethane (REFRIGERANT GAS R 133 b) are not substances of Class 2. They may, however, enter into the composition of mixtures F 1 to F 3.

When relevant, the single designation "MIXTURE F1", "MIXTURE F2" or "MIXTURE F3" may be used as proper shipping name instead of the name "REFRIGERANT GAS, N.O.S" and of the supplementary information normally required under 3.2.6.1, for the purposes of compliance with transport document requirement (5.4.1.1), receptacle marking requirement (6.2.1.7) and tank marking requirement (6.7.3.16 or 6.8.3.5).
[UN No.1078]"

583

Add the following special provision:

"This entry covers, inter alia, mixtures which as

MIXTURE A, have a vapour pressure at 70 °C not exceeding 1.1 MPa (11 bar) and a density at 50 °C not lower than 0.525 kg/l;

MIXTURE A01, have a vapour pressure at 70 °C not exceeding 1.6 MPa (16 bar) and a relative density at 50 °C not lower than 0.516 kg/l;

MIXTURE A02, have a vapour pressure at 70 °C not exceeding 1.6 MPa (16 bar) and a relative density at 50 °C not lower than 0.505 kg/l;

MIXTURE A0, have a vapour pressure at 70 °C not exceeding 1.6 MPa (16 bar) and a density at 50 °C not lower than 0.495 kg/l;

MIXTURE A1, have a vapour pressure at 70 °C not exceeding 2.1 MPa (21 bar) and a density at 50 °C not lower than 0.485 kg/l;

MIXTURE B1 have a vapour pressure at 70 °C not exceeding 2.3 MPa (23 bar) and a relative density at 50 °C not lower than 0.474 kg/l;

MIXTURE B2 have a vapour pressure at 70 °C not exceeding 2.6 MPa (26 bar) and a relative density at 50 °C not lower than 0.463 kg/l;

MIXTURE B, have a vapour pressure at 70 °C not exceeding 2.6 MPa (26 bar) and a density at 50 °C not lower than 0.450 kg/l;

MIXTURE C, have a vapour pressure at 70 °C not exceeding 3.1 MPa (31 bar) and a relative density at 50 °C not lower than 0.440 kg/l;

When relevant, the designation "MIXTURE A", "MIXTURE A01", "MIXTURE A02", "MIXTURE A0", "MIXTURE A1", "MIXTURE B1", "MIXTURE B2", "MIXTURE B" or "MIXTURE C" may be used as a single proper shipping name instead of the designation "HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S." and of the supplementary information as required in 3.2.6.1, for the purposes of compliance with the transport document requirement. (5.4.1.1), the receptacle marking requirement (6.2.1.7) and the tank marking requirement (6.7.3.16 or 6.8.3.5).

In addition, but only for the purpose of compliance with the transport document requirement (5.4.1.1), the alternative single proper shipping name "BUTANE" is allowed for mixtures A01, A02 and A0, and "PROPANE" for mixture C, as these names are customary in trade.

[UN No. 1965]"

584 Add "of 4.1.4.1" after "special requirement n"

593 Add "of 4.1.4.1" after "P203(k)"

594 Substitute "(1)" and "(2)" with "-"

598 Substitute "(1)" and "(2)" with "(a)" and "(b)"

599 Delete "UN No 2809"

606 Applies only to UN No. 1462

607 Amend to read as follows:
"Mixtures of potassium nitrate and sodium nitrite with an ammonium salt are not to be accepted for carriage."

610 Amend to read as follows:
"The transport of this substance, when it contains more than 45% hydrogen cyanide is prohibited.
[For UN No. 3294]"

615 Reserved

624 Amend to read as follows:

"Fertilizers having an ammonium nitrate content or a content in combustible substances exceeding the values shown are not to be accepted for carriage except under the conditions applicable to Class 1.

Fertilizers having an ammonium nitrate content below the limit values indicated are not subject to the requirements of ADR.

Ammonium nitrate fertilizers, uniform non-segregating mixtures of nitrogen/phosphate or nitrogen/potash types or complete fertilizers of nitrogen/phosphate/potash type whose molecular excess of nitrate ions over ammonium ions (calculated as potassium nitrate) is less than 10% are not subject to the requirements of ADR provided that:

(a) their ammonium nitrate content is not more than 70% and their total content of combustible material is not more than 0.4%, or

(b) their ammonium nitrate content is not more than 45% irrespective of their content of combustible material.

[For UN Nos. 2067, 2068, 2069 and 2070]"

631 Amend to read as follows "... of nitrogen/phosphate or nitrogen/potash types or complete fertilizers of nitrogen/phosphate/potash type..."

633 Amend the beginning to read as follows:
"Packages and small containers containing..."

634 Delete "deeply"

635 Substitute "shall not bear" with "need not bear"

637 Substitute "can be carried no other way" with "can be carried in no other way"

PART 4

Chapter 4.1

Text of document TRANS/WP.15/159/Add.3 (still to be issued by the Secretariat).

Chapter 4.2

Text of document TRANS/WP.15/AC.1/80/Add.4 with corrections to be reproduced in TRANS/WP.15/AC.1/80/Add.4/Corr.1.

Chapters 4.3, 4.4 and 4.5

Text of document TRANS/WP.15/AC.1/80/Add.5 with the following modifications:

In the note under the title, delete "the use of" (three times)

4.3.1.2 (Doesn't apply to the English version)

4.3.2.1.3 and

4.3.2.1.5 Delete "dangerous" before "substance (s)"

4.3.2.1.2 Text of footnote 1: Amend at the end "4.3.4.1.4" to read "4.3.4.1.3"

4.3.2.3.1 Amend the references to read as follows:

"6.8.2.1.17 to 6.8.2.1.21 | 6.8.2.1.17 to 6.8.1.20"

4.3.2.3.2 Substitute, in the last sentence "tanks" with "tank-containers/MEGCs"

4.3.2.4.3 Add "or repair" before "can be carried out".

4.3.3.1.1 and

4.3.4.1.1 Amend the heading of the third column of the table to read "tank code"

4.3.3.1.2 (Doesn't apply to the English version)

4.3.3.2 (Doesn't apply to the English version)

4.3.3.2.5 In the table, for UN No. 1612, amend "4.3.3.2.2" to read "4.3.3.2.1"

Add the following entries:

1581	Chloropicrin and methyl bromide mixture	2T	1	10	1	10	1,51
1582	Chloropicrin and methyl chloride	2T	1,3	13	1,5	15	0,81

	mixture						
--	---------	--	--	--	--	--	--

Add the following entry:

1858	Hexafluoropropylene (Refrigerant gas R1216)	2A	1,7	17	1,9	19	1.11
------	--	----	-----	----	-----	----	------

For UN No. 2203, add after the name a footnote reference "***", and at the end of the table the reference text: "*** Considered as pyrophoric"

For UN No. 3337, Refrigerant gas R404A, amend the 4th and 5th columns to read "2.9" and "29", respectively

4.3.3.3.2 Delete "(see leaflet UIC 573 OR)"

4.3.4.1.1 In the table, substitute "6.8.2.1.15" with "6.8.2.1.14" (twice)

For "N" under "tank code" column, delete ", or controlled ventilation (auto-vent) valves"

4.3.4.1.2 For "LGBV", under "hierarchy of tanks", move "L4BV" between "L1.5BH" and "L4BN".

For "LGBF", delete "L4BV" under "hierarchy of tanks"

For "L10BH", add "CO1" before "CO2" under "classification code"

4.3.4.1.3(c) Move UN No. 1421 before UN No. 1422 and add "and" after "UN No. 1428 sodium"

(d) Add "and" before "UN No. 3149"

4.3.4.2.1 (Doesn't apply to the English version)

4.3.5 TU9 Amend "6.8.2.1.15(a)" to read "6.8.2.1.14(a)".

TU11, TU13, TU19 (Don't apply to the English version)

TU21 Amend "98%" to read "96%" in the sentence beginning with "If nitrogen is used as a protective agent..."

Chapter 4.4 Add a note under the title as follows:

"NOTE: For portable tanks, see Chapter 4.2; for fixed tanks (tank-vehicles), demountable tanks and tank-containers and tank swap bodies, with shells made of metallic materials, and battery-vehicles and multiple element gas containers (MEGCs), see Chapter 4.3; for vacuum operated waste tanks, see Chapter 4.5.

4.4.2.1 Amend "...4.3.2.4.1 to 4.3.2.4.2..." to read "...4.3.2.4.1, 4.3.2.4.2..."

Chapter 4.5 Add a note under the title as follows:

"NOTE: For portable tanks, see Chapter 4.2; for fixed tanks (tank-vehicles), demountable tanks and tank-containers and tank swap bodies, with shells made of metallic materials, and

battery-vehicles and multiple element gas containers (MEGCs), see Chapter 4.3; for fibre-reinforced plastics tanks, see Chapter 4.4.

PART 5

Chapters 5.1, 5.2, 5.4 and 5.5

Text of document TRANS/WP.15/159/Add.4 with the following modifications:

Chapter 5.2 Footnote 1: Delete the two first sentences and, in the third indent amend "A0₁" and "A0₂", to read "A01" and "A02" respectively.

5.2.2.1.12,

5.2.2.2.1.1 and

5.2.2.2.1.3 Add "conforming to model" after "label" at the beginning of the sentence

Chapter 5.4 Move the NOTE under the title below the NOTE under 5.4.0 (the two Notes will be numbered "NOTE 1" and "NOTE 2". In Note 2, substitute "refer to" with "see"

5.4.0 Amend the end of the sentence to read: "... under 1.1.3.1 to 1.1.3.5."

5.4.1 In the title, add at the end: "and related information"

5.4.1.1.1(g) (Doesn't apply to the English version)

5.4.1.1.3 Amend to read as follows:

"If waste containing dangerous goods (other than radioactive wastes) is being transported, the UN number and the proper shipping name shall be preceded by the word **"WASTE"**, unless this term is part of the proper shipping name, e.g.:

"WASTE, 1230 METHANOL, 3, II, ADR" or
"WASTE, 1993 FLAMMABLE LIQUID, N.O.S.,(Toluene and ethyl alcohol), 3, II, ADR"

5.4.1.1.4 Add ",if any," after "document"

5.4.1.1.6 Amend the title to read as follows:

"Special provisions for empty uncleaned packagings, vehicles, containers, tanks, battery-vehicles and MEGCs"

In the first sentence, add: **"EMPTY TANK-VEHICLE"** after **"EMPTY IBC"**

Add the following sentence at the end:

If empty tanks, battery-vehicles and MEGCS are transported to the nearest suitable place where cleaning or repair can be carried out in accordance with the provisions of 4.3.2.4.3 or 7.5.8.1, the following additional entry shall be made in the transport document: **"Carriage in accordance with 4.3.2.4.3"** or **"Carriage in accordance with 7.5.8.1"**

5.4.1.1.7 Amend the tile to read: "Special provisions for carriage in a transport chain including maritime or air carriage"

- 5.4.1.1.8 Replace: "[tank-containers]" with "portable tanks"
- 5.4.1.2 Add "or special" after "additional" in the title
- 5.4.1.2.2 Substitute "**Carriage in conformity with 4.1.6.6**" with "**Carriage in accordance with 4.1.6.6**"
- 5.4.1.2.5 Replace "for radioactive materials" with "for Class 7" in the title
- 5.4.1.3 Reserved (Delete the existing text)
- 5.5.1 Delete the square brackets in the title of this section
- 5.5.1.2 (c) Delete "Whatever the mode used"
- (d) In the second sentence delete "flight or train number(s),"
- 5.5.1.3 Delete this paragraph, the note and the relevant footnote. Renumber the following footnotes consequently
- 5.5.2.1 Add after the first sentence:
- "These particulars shall be drafted in an official language of the forwarding country and also, if that language is not English, French or German, in English, French or German, unless agreements, if any, concluded between the countries concerned in the transport operation provide otherwise."
- 5.5.2.2 Add: "The particulars concerning the warning sign shall be drafted in a language considered appropriate by the consignor."

Chapter 5.3

Text of document TRANS/WP.15/AC.1/80/Add.6 with the following modifications:

NOTE under the title: delete "paragraphs"

5.3.1.2, 5.3.1.3, 5.3.1.4, 5.3.1.5, 5.3.1.5.2:

Delete the square brackets

5.3.1.3 Amend the beginning of the paragraph to read as follows:

".... affixed to the containers, MEGCs, tank-containers or portable tanks are not..." (applies to the English and Russian versions)

5.3.1.4 (Doesn't apply to the English version)

5.3.1.5.1 Amend to read as follows:

"For vehicles carrying packages containing substances or articles of Class 1, placards shall be affixed to both sides and at the rear of the vehicle."

5.3.1.6 In the title and the text, read ".... battery-vehicles, MEGCs, tank-containers and portable tanks" (applies to the English and Russian versions)

- 5.3.2.1.5 Amend the beginning of the paragraph to read as follows:
".....in bulk and for tank-containers, MEGCs and portable tanks, the plates described in 5.3.2.1.2 and 5.3.2.1.4 may be replaced by a self-adhesive sheet...."

In the last sentence, for "sentences" read "sentence" (applies to the English and Russian versions)
- 5.3.2.1.6 For "5.3.2.1.3" read "5.3.2.1.4" (applies to the English and Russian versions)
- 5.3.2.1.7 Add "MEGCs, portable tanks" after "tank-containers" (applies to the English and Russian versions)
- 5.3.2.2.2 Amend the beginning of the second sentence to read as follows:
"The hazard identification number shall be inscribed in the upper part of the plate and the UN number in the lower part; they shall be ..." (applies to the English and Russian versions)
- 5.3.2.2.3 Add "preceded, where appropriate by the letter X see 5.3.2.3)" after "(2 or 3 figures" in the text at the right of the figure (applies to the English and Russian versions)

In the text under the figure, in the second sentence, amend "figure" to read "figures"
- 5.3.2.3.1 Amend the end of the paragraph beginning with "The following combinations of figures" to read "see 5.3.2.3.2 below".
In the same paragraph, add "99" to the list of combinations of figures with special meaning
- 5.3.3.3.2 Renumber this paragraph as "5.3.2.3.2" (applies to the English and Russian versions)

In the list, amend the second entry "333" to read "X333" (applies to the English version)

For "38", amend to read as follows: "flammable liquid (flash-point between 23 °C and 61 °C, inclusive), slightly corrosive or self-heating liquid, corrosive" (applies to the English and Russian versions)

For "482" delete the reference to the footnote (applies to the English and Russian versions)

For "559", the end of the sentence should read: "which can spontaneously lead to violent reaction" (applies to the English and Russian versions)

Delete "560" (applies to the English and Russian versions)
- 5.3.3 Amend the beginning to read as follows:

"Tank-vehicles, tank-containers, portable tanks, special vehicles or containers or especially equipped vehicles or containers for which a mark for elevated temperature substances is required according to special provision 580 in column (6) of Table A of Chapter 3.2 shall bear, on both sides and at the rear for vehicles, and on both sides and at each end for containers, tank-containers and portable tanks, a triangular shaped mark...."

PART 6

Chapters 6.1 and 6.3

Text of document TRANS/WP.15/159/Add.5 (still to be issued by the Secretariat).

Chapter 6.2

Text of document TRANS/WP.15/159/Add.6 with the following modifications:

Add "dispensers" after "aerosols": in the title, in the note of 6.2.1, and in the title of 6.2.4.

6.2.1.2 (c)(i), (d) and (e) Don't apply to the English version

(c) (iii) Delete "refrigerated liquefied"

6.2.1.4 Note 1 Substitute "a country party to ADR" with "a contracting party to ADR"

6.2.1.4 (a), (b) and (d) Amend "... relevant provisions of this Class..." to read "... relevant provisions of Class 2..."

6.2.1.5 and 6.2.1.6 (Titles: don't apply to the English version)

6.2.1.5.1(c) Replace "inspection " with "examination"

(e) Replace "inspection " with "examination"

6.2.1.6 (a) and (b) Replace "check" with "examination"

6.2.1.7.1 (Doesn't apply to the English version)

6.2.1.7.2 (Doesn't apply to the English version)

6.2.2 Amend the heading of column 3 to read: " Applicable sub-sections and paragraphs "

In the table of the standards delete the row corresponding to "prEN ISO 11114-2" and "prEN12205" and, in the first column, replace "prEN 1964-3", "prEN 1251-1", "prEN 1251-2" and "prEN 1251-3" with "EN 1964-3: 2000", "EN 1251-1: 2000", "EN 1251-2: 2000" and "EN 1251-3: 2000" respectively.

6.2.3.1, NOTE and 6.2.3.2.1, NOTE 2
Replace "L" with "l"

6.2.3.2 (Doesn't apply to the English version)

6.2.3.4.1 Add at the end of the paragraph: "(see 6.8.5.3)"

6.2.3.4.6 Amend "pressure envelope" to read "sheathing" (4 times)

6.2.4.3 Add a reference to new footnotes 5 and 6 after "Directive 75/324/EEC" and " Directive 94/1/CE" respectively. The text of the footnotes will read as follows:

⁵Council Directive 75/324/EEC of 20 May 1975 on the approximation of the laws of the Member States relating to aerosol dispensers, published in the Official Journal of the European Communities No. L147 of 9 June 1975.

⁶ *Commission Directive 94/1/EC of January 1994, adapting some technicalities of Council Directive 75/324/EEC on the approximation of the laws of the relating Member States to aerosol dispensers, published in the Official Journal of the European Communities No.L23 of 28 January 1994"*

Chapter 6.4

Text of document TRANS/WP.15/159/Add.7 adopted.

Chapter 6.5

Text of document TRANS/WP.15/159/Add.8 (still to be issued by the Secretariat).

Chapter 6.6

Text of document TRANS/WP.15/AC.1/80/Add.7 adopted.

Chapter 6.7

Text of document TRANS/WP.15/AC.1/80/Add.8 with corrections to be reproduced in TRANS/WP.15/AC.1/80/Add.8/Corr.1.

Chapter 6.8

Text of document TRANS/WP.15/AC.1/80/Add.9 with the following modifications:

6.8.2.1.3 Change the references in the left column to read" "6.8.2.1.17 to 6.8.2.1.21"

6.8.2.1.4, 6.8.2.1.9 (twice),6.8.2.1.13 (twice) and 6.8.2.3.2

Substitute "wall thickness" or "thickness of the walls" or "thickness of the shell walls" or "wall thickness of the shell" with "shell thickness"

6.8.2.1.18 Amend the last sentence of the paragraph and the relevant footnote to read as follows:

“Equivalent thickness” means the thickness obtained by the following formula:⁴

$$e_1 = \frac{464 e_0}{\sqrt[3]{(R_{m1} A_1)^2}} \quad \Bigg| \quad e_1 = \frac{21.4 e_0}{\sqrt[3]{R_{m1} A_1}}$$

⁴ *This formula is derived from the general formula:*

$$e_1 = e_0 \sqrt[3]{\left(\frac{R_{m0} A_0}{R_{m1} A_1}\right)^2} \quad \Bigg| \quad e_1 = e_0 \sqrt[3]{\frac{R_{m0} A_0}{R_{m1} A_1}}$$

where

e_1 = minimum shell thickness for the metal chosen, in mm;

e_0 = minimum shell thickness for mild steel, in mm, according to 6.8.2.1.18 and 6.8.2.1.19;

R_{m0} = 370 (tensile strength for reference steel, see definition 1.2.1, in N/mm^2);

A_0 = 27 (elongation for reference steel, in %);

R_{m1} = minimum tensile strength of the metal chosen, in N/mm^2 ; and

A_1 = minimum elongation of the metal chosen on fracture under tensile stress, in %.

6.8.2.1.20 Delete "additional" in the introductory sentence on the right column

(b) 3. Add a reference to footnote 3 after "mild steel" and delete the opening bracket after "polyurethane"

6.8.2.2.1 In the first sentence, add "service and structural" after "manufacture" and delete "and accessories" at the end

6.8.2.2.2 In the second sentence, substitute "(see 4.3.4.1.1)" with "(see 4.3.3.1.1 or 4.3.4.1.1)"

6.8.2.2.6 Replace "shell" with "tank"

6.8.2.3.1 In the fifth indent add at the beginning "if required" and insert "(see 2.1.1.2)" after "...collective entry"

6.8.2.3.2 Substitute "more baffles" with "more surge-plates"

6.8.2.4.1 and

6.8.2.4.2 Substitute "(see Note in 6.8.4 (d))" with ", specified in the Note of 6.8.4 (d),"

6.8.2.4.2 In the paragraph beginning with "In the case of tanks intended...", replace "6.8.4.3" with "6.8.2.4.3" at the end

6.8.2.5.2 Add a reference to footnote 10 at the end of the introductory sentence

6.8.2.6 and 6.8.2.7 In the title, replace "tank-vehicles and tank-containers" with "tanks"

6.8.2.6 and 6.8.3.6 Delete the text under the title and replace it with "[Reserved]"

6.8.2.7 Replace at the beginning of the paragraph, "Tank-vehicles and tank-containers" with "Tanks"

6.8.3.2.2 Add "manometers" after "thermometers"

- 6.8.3.2.4 Amend the end of the sentence to read: "... more than 1.5 mm, shall be equipped..."
- 6.8.3.2.24 Amend to read as follows:
"Battery-vehicles of MEGCs intended for the carriage of toxic gases shall not have safety valves unless the safety valves are preceded by a bursting disc. In the latter case the arrangement of the bursting disc and the safety valve shall be satisfactory to the competent authority."
- 6.8.3.4.6 Replace "test" with "inspections"
- 6.8.3.4.11 In the fifth indent, delete "allowable"
- 6.8.3.4.12 Substitute "6.2.1.4" with "Packing Instruction P200 or P203 in 4.1.4.1"
- 6.8.3.4.14 Replace "inspection" with "examinations"
- 6.8.3.5.10 and
6.8.3.5.11 Delete the reference to the footnote 15 in the indents, and add it at the end of the introductory sentence in both columns
- 6.8.3.5.13 Amend the last sentence to read as follows:
"Battery-vehicles and MEGCs shall be placarded and marked according to Chapter 5.3."
- 6.8.4 Note 2 Insert after "1 MPa (10 bar)", "or for tanks intended for the carriage of refrigerated liquefied gases"
- 6.8.4 TP6 Amend to read as follows: "The periodic tests, including the hydraulic pressure test, shall be carried out at least every 3 years"
- TM4 Replace "6.8.2.5.1" with "6.8.2.5.2"
- TM6 Amend the end of the sentence to read: "...reproduced in 5.3.3"
- 6.8.5.1.1 (b) In the first indent, add "ammonia solution" after "UN No. 2073"
- 6.8.5.3.5 In the last two sentences amend "J/cm2" to read "J/cm²"

Chapter 6.9

Text of document TRANS/WP.15/159/Add.9 (still to be issued by the Secretariat).

Chapter 6.10

Text of document TRANS/WP.15/159/Add.12 with the following modifications:

NOTE under the title:

Last sentence will be "NOTE 2", the rest of the NOTE will be numbered "NOTE 1"

PART 7

Text of document TRANS/WP.15/159/Add.10 with the following modifications:

7.2.4 V4 Reserved

V8 (3) R3 Substitute, "flammable vapours from the organic peroxides" with "flammable vapours from the substances"

V9 Move to 7.5.11 as CV4

7.3.3 VV8 Delete "in case of leakage" and the editorial Note between brackets

VV9a, 9b, 10

Delete the square brackets around "and sufficiently stout"

VV11 Delete square brackets and "?" around "and containers"

Delete Secretariat footnote as well

7.5.1.4 Delete in the first sentence " 7.2.4" and the reference to column "16".

7.5.2.1 In the table delete the "X" at the intersections between 6.2 and 4.1+1, and 6.2 and 5.2+1; delete the references to note 1 at the intersections between row 1.4 and columns 4.1+1 and 5.2+1

7.5.5.3 Delete "[of the same Class]" and the relevant Secretariat Note

7.5.8.1 Amend "which has been loaded with packaged dangerous goods" to read "which has contained dangerous goods"

Add the following sentences:

"If it is not possible to do the cleaning locally, the vehicle or container shall be transported, with due regard to adequate safety, to the nearest suitable place where cleaning can be carried out.

Transport is adequately safe if suitable measures have been taken to prevent the uncontrolled release of the dangerous goods that have escaped".

7.5.8.2 Replace "dangerous substance" with "dangerous goods"

7.5.11 CV4 Text moved from V9 of 7.2.4. Consequential amendment "CV5 to CV8 Reserved"

CV9 Delete last sentence

CV12 Delete the square brackets

CV20 Amend the end to read as follows: "... and the total quantity of substances to which this derogation applies per transport unit is limited to 10 kg"

CV24 Doesn't apply to self reactive substances of Class 4.1.

CV25 Shall read "at an ambient temperature"

CV33 (1) Insert the following Notes:

"NOTE 1 : "Critical group" is a group of members of the public which is reasonably homogeneous with respect to its exposure for a given radiation source and given exposure pathway and is typical of individual receiving the highest effective dose by the given exposure pathway from the given source.

NOTE 2 : "Members of the public" are in a general sense, any individuals in the population except when subject to occupational or medical exposure.

NOTE 3 : "Workers" are any persons who work, whether full time, part-time or temporarily, for an employer and who have recognised rights and duties in relation to occupational radiation protection."

1.1 (d) Replace "with (6) below" with "with 7.5.2.1"

Table C Add in the title of the left-hand column "or object"

(6) Delete whole paragraph and renumber following one

PARTS 8 AND 9

Text of document TRANS/WP.15/159/Add.11 adopted with the following modifications:

8.2.1.2 (Doesn't apply to the English version)

8.2.2.7.2 Amend the title to read as follows:
"Examinations for initial specialization courses for transport in tanks or for the transport of explosives substances and articles or radioactive material"

Chapter 8.4 Delete "paragraph(s)" (5 times)

Chapter 8.5 S07 Substitute "EN14" with "EN141" at the end of the sentence.

S11 (3) Delete "paragraph"

9.1.2.1 In the title, delete "...of EX/II, EX/III, FL, OX and AT vehicles"

9.1.2.1.1 Amend the second paragraph to read as follows: "...the manufacturer of the vehicle or his duly accredited representative shall issue"

9.1.2.1.5 In paragraph 5 of the certificate of approval, amend "classification code and Packing group" to read "classification codes and Packing Groups"

9.1.2.2.1 Amend "9.1.2.1.2" to read "9.1.2.1"

9.2.1 In the table:

For 9.2.3, read "Braking equipment"

For 9.2.3.1, read "General provisions"

For 9.2.3.2, read "anti-lock braking system"

For 9.2.3.3, read "endurance braking system"

Add a new entry for 9.2.3.4 to read "Emergency braking devices for trailers"

For 9.2.3.4.1 and 9.2.3.4.2, delete "- safety braking system"

For 9.2.4, read "PREVENTION OF FIRE RISKS"

Add a new entry for 9.2.4.2 to read "Vehicle cab"

For 9.2.4.2.1 and 9.2.4.2.2, delete "cab: materials" and "cab: thermal shield" respectively

For 9.2.4.6 read "Vehicle endurance braking"

Add a new entry for 9.2.4.7 to read "Combustion heaters" and delete in the three following rows, in the second column "- combustion heaters"

For 9.2.5, read "SPEED LIMITATION DEVICE"

For 9.2.6, read "COUPLING DEVICES OF TRAILERS"

Amend note f/ to read: "... with a maximum mass exceeding 12 tonnes..."

Text of footnotes 3 and 4 in Chapter 9.2: Amend to read as follows:

³*ECE Regulation No.13 (Uniform provisions concerning the approval of vehicles of categories M, N and O with regard to braking) "*

The existing footnote 4 becomes new footnote 5. Delete "(in its latest amended form)" and amend "230" to read "320"

New footnote 4 (second sentence of former footnote 3) shall read as follows:

⁴*Directive 71/320/EEC (originally published in the Official Journal of the European Communities No. L202 of 6.9.1971)"*

Renumber the following footnotes accordingly

In footnote 4 (now 5), delete "(in its latest amended form)"

9.2.3.3.2(b) Amend to read as follows: "...provided for in paragraph 2.14 of ECE Regulation..."

9.2.4.7.7 Move the text of this paragraph to 9.3.2, 9.4.1, 9.5.1 and 9.7.7.1 as indicated below.

9.2.5 Amend the end of the paragraph to read as follows: "...in paragraph 2.1.2 of ECE Regulation No. 89⁶, as amended, shall not exceed 85 km/h"

Amend the text of footnote 5 (now 6) to read as follows:

"...speed limitation devices (SLD).

As an alternative, the corresponding provisions of directives 92/6/EEC and 92/24/EEC, as amended, may apply provided that they have been amended in accordance with the latest amended form of ECE Regulation No. 89 applicable at the time of the vehicle approval."

9.2.6 Amend to read: "Coupling devices of trailers shall comply with the technical requirements of ECE Regulation No. 55⁷ or Directive 94/20/EC⁸ as amended in accordance with the dates of application specified therein"

Text of footnote 7, delete "in its latest amended form"

9.3.2 Amend the beginning of the second paragraph to read as follows:
"Combustion heaters shall meet the requirements of 9.2.4.7.1, 9.2.4.7.2, 9.2.4.7.5, 9.2.4.7.6 and the following:

- (a) the switch may be installed outside the driver's cabin;
- (b) the device may be switched off from outside the load compartment; and
- (c) it is not necessary to prove that the heat exchanger is resistant to the reduced after running cycle.

No fuel tanks, power sources, combustion air or heating....."

Delete the last sentence (beginning with "Heating devices installed")"

9.4.1
and 9.5.1

Amend to read as follows:
"Combustion heaters shall meet the following requirements:

- (a) the switch may be installed outside the driver's cabin;
- (b) the device may be switched off from outside the load compartment; and
- (c) it is not necessary to prove that the heat exchanger is resistant to the reduced after running cycle."

9.4.2 Add "4.3" after "models Nos. 1, 3, 4.1"

9.4.2, 9.5.2
and 9.7.7.2 Delete "of" after "label" at the beginning of the paragraphs.

9.5.2 Amend to read: " models Nos. 4.1, 4.3 or 5.1 is prescribed"

9.7 In the title: amend "cubic meter" to read "M³" (twice)

9.7.3 Amend the end of the sentence to read as follows:

"... in the case of tank-vehicles, battery-vehicles, and vehicles carrying demountable tanks."

Substitute "6.8.2.1.16 and 6.8.2.1.17" with "6.8.2.1.15 and 6.8.2.1.16"

9.7.5.2 Amend to read:

"...or molten state, tested with a pressure....ECE regulation No. 111¹ for lateral stability as amended in accordance with the dates of application specified therein. The requirements are as from 1 July 2003"

Add a new footnote 1 to read as follows and renumber the existing footnote:

"¹ ECE Regulation No. 111: Uniform provisions concerning the approval of tank vehicles of categories N and O with regard to rollover stability"

9.7.7.1 Amend the first sentence to read as follows:

"Combustion heaters shall meet the requirements of 9.2.4.7.1, 9.2.4.7.2, 9.2.4.7.5 and the following:

- (a) the switch may be installed outside the driver's cabin;
- (b) the device may be switched off from outside the load compartment; and
- (c) it is not necessary to prove that the heat exchanger is resistant to the reduced after running cycle.

In addition, for FL vehicles, 9.2.4.7.3 and 9.2.4.7.4"

9.7.7.2 Delete the square brackets and amend to read: "... models Nos. 3, 4.1, 4.3, 5.1 or 5.2 is prescribed..."

9.7.8.1 Add a new paragraph after the existing one, as follows:

"However additions to or modifications of the electrical installations of the vehicle shall meet the requirements for electrical apparatus of the relevant group and temperature class according to the substance to be carried ".

9.7.8.2 Amend the end of the first paragraph to read:

"The requirements for the electrical apparatus of the relevant group and temperature class according to the substances...."

9.7.8.3 Amend to read as follows:

" Permanently energized electrical equipment, including the leads, which is situated outside Zones 0 and 1 shall meet the requirements for Zone 1 for electrical equipment in general or meet the requirements for Zone 2 electrical equipment situated in the driver's cab. The requirements for the relevant group of electrical apparatus according to the substances to be carried shall be met"
