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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)¹
(ADN Safety Committee)²

Thirteenth session
Geneva, 17-18 June 2008
Item 4 of the provisional agenda

PROPOSALS FOR AMENDMENTS TO THE REGULATION ANNEXED TO THE ADN

Section 5.4.3, Instructions in writing

Communication by the Government of Germany^{3,4}

¹ This meeting is organized jointly by the Economic Commission for Europe and the Central Commission for the Navigation of the Rhine (CCNR).

² The Joint Meeting of Experts was established jointly by the Economic Commission for Europe and the Central Commission for the Navigation of the Rhine (CCNR) pursuant to the invitation by the Diplomatic Conference for the Adoption of a European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (ADN) in its resolution adopted on 25 May 2000. The said resolution makes provision for the Joint Meeting of Experts to take the place of the Safety Committee referred to in article 18 of the ADN after entry into force of the Agreement. As the ADN entered into force on 29 February 2008, the Joint Meeting of Experts will henceforth play the role of the ADN Safety Committee.

³ Distributed in German by the CCNR under the symbol CCNR/ZKR/ADN/WP.15/AC.2/2008/16.

⁴ In accordance with the programme of work of the Inland Transport Committee for 2006-2010 (ECE/TRANS/166/Add.1, programme activity 02.7 (b)).

SUMMARY	
Summary:	After the decisions taken by the Working Party on the Transport of Dangerous Goods (WP.15) on the provisions regarding instructions in writing in the ADR, there is requirement for action regarding the ADN. It is proposed to take over the ADR principle, adapted to the needs of inland waterway transport, for ADN.
Action to be taken:	Adoption of the proposed amendments to the provisions.
Reference documents:	Informal documents INF.8 and 9 (12th session); ECE/TRANS/WP.15/AC.2/25, paras. 29 and 30 ECE/TRANS/WP.15/195

Introduction:

1. Germany had submitted for the 12th session of the Joint Meeting of Experts an informal paper on the “Evolution of the provisions regarding instructions in writing” (INF.8). Most delegates were in favour of amending the provisions regarding instructions in writing and of taking over the provisions adopted for road (ADR) with certain adjustments for inland waterway transport.
2. A German working party consisting of representatives of the shipping and transport sector as well as the administration has elaborated a proposal which has also been discussed in the working party “MD/G” of the CCNR.
3. The following proposal is presented.

Proposal

4. Amend section 5.4.3 to read as follows:

“5.4.3 Instructions in writing

5.4.3.1 As an aid during an accident emergency situation that may occur or arise during carriage, instructions in writing in the form specified in 5.4.3.4 shall be carried in the crew’s cab and shall be readily available.

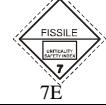
5.4.3.2 These instructions shall be provided by the carrier to the master in language(s) [that each crew member] [that the master and the qualified person] can read and understand before the commencement of the journey. The master shall ensure that each member of the crew concerned understands and is capable of carrying out the instructions properly.

5.4.3.3 Before the start of the journey, the members of the crew shall inform themselves of the dangerous goods loaded and consult the instructions in writing for details on actions to be taken in the event of an accident or emergency.

5.4.3.4 The instructions in writing shall correspond to the following four page model as regards its form and contents.

INSTRUCTIONS IN WRITING
<p><u>Actions in the event of an accident or incident</u></p> <p>In the event of an accident or incident that may occur or arise during carriage, the members of the crew shall take the following actions where safe and practicable to do so:</p> <ul style="list-style-type: none">– Avoid sources of ignition, in particular, do not smoke or switch on or off any electrical equipment;– Inform the appropriate emergency services, giving as much information about the accident or incident and substances involved as possible;– Keep the transport documents readily available for responders on arrival;– Do not walk into or touch spilled substances and avoid inhalation of fumes, smoke, dusts and vapours by staying up wind;– Where appropriate and safe to do so, tackle small/initial fires;– Where appropriate and safe to do so, fires in the cargo area may be tackled by crew members;– Where appropriate and safe to do so, use on-board equipment to prevent leakages into the aquatic environment and contain spillages;– Where appropriate and safe to do so, secure the ship against drifting;– Move away from the vicinity of the accident or incident and follow the advice of the emergency services;– Remove any contaminated clothing and used contaminated protective equipment;– Observe the additional guidance assigned to the hazards of all concerned goods in the following table. For the carriage in packages or in bulk, the hazards correspond to the number of the danger label model [, for carriage in tank vessels to the data in accordance with 5.4.1.1.2c)].

Additional guidance to members of the crew on the hazard characteristics of dangerous goods by class and on action subject to prevailing circumstances		
Danger labels and placards, description of the hazards	Hazard characteristics	Additional guidance
(1)	(2)	(3)
Explosive substances and articles  1  1.5  1.6	<p>May have a range of properties and effects such as mass detonation; projection of fragments; intense fire/heat flux; formation of bright light, loud noise or smoke.</p> <p>Sensitive to shocks and/or impacts and/or heat.</p>	Take cover but stay away from windows.
Explosive substances and articles  1.4	Slight risk of explosion and fire.	Take cover.
Flammable gases  2.1  2.2	<p>Risk of fire.</p> <p>Risk of explosion.</p> <p>May be under pressure.</p> <p>Risk of asphyxiation.</p> <p>May cause burns and/or frostbite.</p> <p>Containments may explode when heated.</p>	<p>Take cover.</p> <p>Keep out of low areas.</p>
Non-flammable, non-toxic gases  2.2	<p>Risk of asphyxiation.</p> <p>May be under pressure.</p> <p>May cause frostbite.</p> <p>Containments may explode when heated.</p>	<p>Take cover.</p> <p>Keep out of low areas.</p>
Toxic gases  2.3	<p>Risk of intoxication.</p> <p>May be under pressure.</p> <p>May cause burns and/or frostbite.</p> <p>Containments may explode when heated.</p>	<p>Use escape device.</p> <p>Take cover.</p> <p>Keep out of low areas.</p>
Flammable liquids  3  3	<p>Risk of fire.</p> <p>Risk of explosion.</p> <p>Containments may explode when heated.</p>	<p>Take cover.</p> <p>Keep out of low areas.</p> <p>Prevent leaking substances from running into the aquatic environment.</p>
Flammable solids, self-reactive substances and desensitized explosives  4.1	<p>Risk of fire. Flammable or combustible, may be ignited by heat, sparks or flames.</p> <p>May contain self-reactive substances that are liable to exothermic decomposition in the case of heat supply, contact with other substances (such as acids, heavy-metal compounds or amines), friction or shock. This may result in the evolution of harmful and flammable gases or vapours.</p> <p>Containments may explode when heated.</p>	Prevent leaking substances from running into the aquatic environment.
Substances liable to spontaneous combustion  4.2	<p>Risk of spontaneous combustion if packages are damaged or contents spilled.</p> <p>May react vigorously with water.</p>	??? Cover ???

Danger labels and placards, description of the hazards (1)	Hazard characteristics (2)	Additional guidance (3)
Substances which, in contact with water, emit flammable gases   4.3	Risk of fire and explosion in contact with water.	Spilled substances should be kept dry by covering the spillages.
Oxidizing substances  5.1	Risk of ignition and explosion. Risk of vigorous reaction in contact with flammable substances.	Avoid mixing with flammable or combustible substances (e.g. sawdust).
Organic peroxides   5.2	Risk of exothermic decomposition at elevated temperatures, contact with other substances (such as acids, heavy-metal compounds or amines), friction or shock. This may result in the evolution of harmful and flammable gases or vapours.	Avoid mixing with flammable or combustible substances (e.g. sawdust).
Toxic substances  6.1	Risk of intoxication. Risk to the aquatic environment.	Use escape device.
Infectious substances  6.2	Risk of infection. Risk to the aquatic environment.	
Radioactive material  7A  7B  7C  7D	Risk of intake and external radiation.	Limit time of exposure.
Fissile material  7E	Risk of nuclear chain reaction.	Limit time of exposure.
Corrosive substances  8	Risk of chemical burns. May react vigorously with each other, with water and with other substances. Risk to the aquatic environment.	Prevent leaking substances from running into the aquatic environment, but avoid danger to the ship.
Miscellaneous dangerous substances and articles  9	Risk of burns. Risk of fire. Risk of explosion. Risk to the aquatic environment.	Prevent leaking substances from running into the aquatic environment.

- NOTE:**
1. For dangerous goods with multiple risks and for mixed loads, each applicable entry shall be observed.
 2. Additional guidance shown above may be adapted to reflect the classes of dangerous goods to be carried and their means of transport.
 3. Risks see also entries in the transport document as well as Chapter 3.2, Table C, Column 5.

Equipment for personal and general protection to carry out general actions and hazard specific emergency actions to be carried on board the vessel in accordance with section 8.1.5 of ADN

The equipment required by Chapter 3.2, Table A, Column 9 and Table C, Column 18 shall be carried on board the vessel for all hazards listed in the transport document.

5. Consequential amendments

1.3.2.2.5 (German version only)

1.4.2.1.1b) [amendment does not affect the English version]

Amend Section 1.4.2.2.1 g) to read as follows: “provide the required instructions in writing and ascertain that the prescribed equipment is on board the vessel”

Replace the text of 1.4.3.1.1 g) with “reserved”.

Replace the text of 1.4.3.3 l) with “reserved”.

Replace the text of 1.4.3.3 v) with “reserved”.

In 8.1.2.1 c) delete “for all dangerous goods on board”.

Replace the text of 8.1.2.5 with “reserved”.

Replace the text of 8.1.5.2 with “reserved”.

In Section 8.6.3 replace the text of question 2 with “reserved” and delete the particulars in Columns “vessel” and “loading/unloading place”.

Justification

6. See document ECE/TRANS/WP.15/2007/4.
