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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) (ADN Safety Committee)

Twenty-eighth session

Geneva, 25-29 January 2016

Item 5 (b) of the provisional agenda

Proposals for amendments to the Regulations annexed to ADN:

Other proposals

Construction materials

Transmitted jointly by the European Barge Union (EBU), the European River-Sea Transport Union (ERSTU) and the European Organization of Barge Owner Operators (OEB)¹

Introduction

1. During the 27th session of the ADN Safety Committee, the inland navigation professional organizations transmitted a document (ECE/TRANS/WP.15/AC.2/2015/19) aimed at updating the provisions for materials of construction of on-board equipment. The Safety Committee found that the issues addressed needed to be presented in a clearer and more understandable way before the request itself could be assessed.

Proposal 1

2. The inland navigation professional organizations propose presenting the items hitherto addressed in ADN 9.3.x.0.3 (a) to (c) in the form of a table. A proposal is attached in annex 1 to this request. Subparagraph 9.3.x.0.3 (d) remains unaltered.

¹ Distributed in German by the Central Commission for the Navigation of the Rhine under the symbol CCNR-ZKR/ADN/WP.15/AC.2/2016/22.



Proposal 2

3. The inland navigation professional organizations propose amending the current situation, presented in annex 1, to the way in which it is presented in annex 2. The amendment includes the necessary adaptation to the modern materials that are now available.

Proposal 3

4. 9.3.x.0.5 is worded as follows:

“The use of plastic material for the vessel’s boats is permitted only if the material does not readily ignite.”

9.3.x.0.5 is amended as follows:

“The use of plastic material for the vessel’s boats in the cargo area is permitted only if the material does not readily ignite.

The use of aluminium alloys or plastic material for passageways (gangways) within the cargo area is permitted only if the material does not readily ignite or conduct electricity.

Rubber mats must be made from an electrically non-conductive material.”

Justification

5. In the cases presented by EBU, ERSTU and OEB, the modern materials do not present an increased safety risk. The editorial revision to the provisions significantly reduces the need for regulations for specific cases. The provisions are made clearer for all stakeholders.

Annex 1

Proposal 1 — 9.3.x.0.3 (current situation)

	<i>Wood</i>	<i>Aluminium alloys</i>	<i>Plastic material</i>	<i>Rubber</i>
Gangways and external ladders	X	X	X	
Movable items of equipment [...] ²⁾	X	X	X	
Chocking of cargo tanks which are independent of the vessel's hull and chocking of installations and equipment	X	X	X	
Masts and similar round timber	X	X	X	
Engine parts	X	X	X	
Parts of the electrical installation	X	X	X	
[Parts of the loading and unloading installation] ³⁾	X	X	X	
Lids of boxes which are placed on the deck	X	X	X	
Supports and stops of any kind	X		X	
[Coating of cargo tanks and of piping for loading and unloading] ⁴⁾			X	X
All kinds of gaskets (e.g. for dome or hatch covers)			X	X
Electric cables			X	X
Hose assemblies for loading and unloading			X	X
Insulation of cargo tanks and of piping for loading and unloading			X	X
Photo-optical copies of the certificate of approval according to 8.1.2.6 or 8.1.2.7			X	X

²⁾ The text in brackets applies to 9.3.2.0.3 and 9.3.3.03, but not 9.3.1.0.3.

³⁾ The text in brackets applies to 9.3.2.0.3 and 9.3.3.03, but not 9.3.1.0.3.

⁴⁾ The text in brackets applies to 9.3.2.0.3 and 9.3.3.03, but not 9.3.1.0.3.

	<i>Wood</i>	<i>Aluminium</i>	<i>Plastic material</i>	<i>Rubber</i>
Gangways	X		X	
Cleaning equipment, e.g. brooms	X		X	
Supports and stops of any kind	X		X	
Masts and similar round timber	X		X	
Chocking of cargo tanks which are independent of the vessel's hull and chocking of installations and equipment	X		X	
Gangways, external ladders and passageways		X	X	
Fenders		X	X	
Movable items of equipment such as extinguishers, portable gas detectors, rescue winches, etc. Aluminium gauging rods, provided that they are fitted with brass feet or protected in another way to avoid sparking		X	X	
Insulation and coating of cargo tanks and piping for loading and unloading, gas discharge pipes and heating channels		X	X	
Masts and similar round timber		X	X	
Engine parts		X	X	
Protective covers of engines, etc.		X	X	
Ventilators, including hose assemblies for ventilation		X	X	
Parts of the water spray system, the shower and the eye and face bath		X	X	
Parts of the electrical installation		X	X	
Parts of the loading and unloading facility, such as blocking valves and gaskets, etc.		X	X	
Boxes, cabinets or containers placed on the deck for storage of disposal and recovery equipment for capstans, extinguishers, fire hoses, waste, etc.		X	X	
All kinds of gaskets (e.g. for dome or hatch covers)			X	X
Cables for electrical equipment			X	X
Hose assemblies for loading and unloading			X	X
Extinguishers, hoses for deck cleaning, capstans, sampling equipment and bottles, etc.			X	X
The mat under hose assemblies for loading and unloading			X	X
Mooring cables			X	X
Photo-optical copies of the certificate of approval according to 8.1.2.6 or 8.1.2.7			X	X

Annex 2

Proposal 2 — 9.3.x.0.3 (EBU/OEB/ERSTU request)

	<i>Wood</i>	<i>Aluminium alloy</i>	<i>Plastic material</i>	<i>Rubber</i>
Gangways and external ladders	X	X	X	
External ladders and passageways (gangways)		X	X	
Cleaning equipment, e.g. brooms	X		X	
Movable items of equipment such as extinguishers, portable gas detectors, rescue winches, etc.	X deleted	X	X	
Fenders	X		X	X
Mooring cables, fender ropes			X	X deleted
Chocking of cargo tanks which are independent of the vessel's hull and chocking of installations and equipment	X	X deleted	X	
Masts and similar round timber	X	X	X	
Engine parts	X deleted	X	X	
Protective covers for engines and pumps			X	
Parts of the electrical installation	X deleted	X	X	
Parts of the loading and unloading installation, such as blocking valves and gaskets, etc.	X deleted	X	X	X
Lids of boxes which are placed on the deck	X deleted	X deleted	X deleted	
Boxes, cabinets or containers placed on the deck to store equipment, catch leaks of liquids, cleaning products, extinguishers, fire hoses, wastes, etc.		X	X	
Supports and stops of any kind	X		X	
Ventilators, including hose assemblies for ventilation		X	X	
Parts of the water spray system and of the shower and the eye and face bath		X	X	
Insulation of cargo tanks and of piping for loading and unloading, gas discharge pipes and heating pipes			X	X
Coating of cargo tanks and of piping for loading and unloading		X	X	X deleted
All kinds of gaskets (e.g. for dome or hatch covers)			X	X
Cables for electrical equipment			X	X
Hose assemblies for loading and unloading			X	X
The mat under hose assemblies for loading and unloading piping system			X	X

	<i>Wood</i>	<i>Aluminium alloy</i>	<i>Plastic material</i>	<i>Rubber</i>
Fire hoses, hoses for cleaning the deck, spill equipment, etc.			X	X
Sampling equipment and bottles			X	
Photo-optical copies of the certificate of approval according to 8.1.2.6 or 8.1.2.7		X	X	

Aluminium gauging rods are permitted, provided that they are fitted with brass feet or protected in another way to avoid sparking.

	<i>Wood</i>	<i>Aluminium</i>	<i>Plastic material</i>	<i>Rubber</i>
Gangways	X		X	
Cleaning equipment, e.g. brooms	X		X	
Supports and stops of any kind	X		X	
Masts and similar round timber	X		X	
Chocking of cargo tanks which are independent of the vessel's hull and chocking of installations and equipment	X		X	
Gangways, external ladders and passageways		X	X	
Fenders		X	X	
Movable items of equipment such as extinguishers, portable gas detectors, rescue winches, etc.				
Aluminium gauging rods are permitted, provided that they are fitted with brass feet or protected in another way to avoid sparking.		X	X	
Insulation and coating of cargo tanks and of piping for loading and unloading, gas discharge pipes and heating pipes		X	X	
Masts and similar round timber		X	X	
Engine parts		X	X	
Protective covers for engines, etc.		X	X	
Ventilators, including hose assemblies for ventilation		X	X	
Parts of the water spray system and of the shower and the eye and face bath		X	X	
Parts of the electrical installation		X	X	
Parts of the loading and unloading facility, such as blocking valves and gaskets, etc.		X	X	
Boxes, cabinets or containers placed on the deck for equipment storage, to remove or collect capstans, extinguishers, fire hoses, waste, etc.		X	X	
All kinds of gaskets (e.g. for dome or hatch covers)			X	X
Cables for electrical equipment			X	X
Hose assemblies for loading and unloading			X	X
Extinguishers, hoses for deck cleaning, capstans, sampling equipment and bottles, etc.			X	X
The mat under hose assemblies for loading and unloading			X	X
Mooring cables			X	X
Photo-optical copies of the certificate of approval according to 8.1.2.6 or 8.1.2.7			X	X