

**Economic and Social Council**

Distr.: General
8 November 2017
English
Original: French

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) (ADN Safety Committee)

Thirty-second session

Geneva, 22-26 January 2018

Item 5 (b) of the provisional agenda

**Proposals for amendments to the Regulations annexed to ADN:
Other proposals**

Construction materials

Transmitted by the European Barge Union (EBU), the European River Sea Transport Union (ERSTU) and the European Skippers Organisation (ESO)*, **

Introduction

1. Since its twenty-seventh session, the ADN Safety Committee has had several discussions on the request from the profession to update the provisions relating to the use of authorized construction materials and to present them more clearly. ECE/TRANS/WP.15/AC/2017/40 contains extracts of the reports concerning the discussions.
2. The Safety Committee has approved the presentation of the current text of 9.3.x.0.3 (a) to (c) in a table. The text of the current 9.3.x.0.3 (d) will not be included in the table (see paragraph 8 of this request).
3. In the discussions, the Safety Committee also considered whether movable equipment should be included in the table. There was a positive response to that question at the thirty-first session of the Safety Committee. The authors were invited to submit a request taking that into account.

* Distributed in German by the Central Commission for the Navigation of the Rhine in document CCNR-ZKR/ADN/WP.15/AC.2/2018/19.

** In accordance with the programme of work of the Inland Transport Committee for 2017-2018 (ECE/TRANS/WP.15/237, annex V (9.3.)).



4. The report of the thirty-first session reads:

“45. The Safety Committee decided that the tables proposed in 9.3.x.0.3 for authorized construction materials **should include a line for all types of movable equipment**. EBU, ERSTU and ESO should prepare a new proposal on that basis. The proposal of inserting a new 7.1.2.3 was withdrawn, and that of inserting a new 7.2.2.3 was not adopted.”

Proposals

5. Currently, 9.3.x.0.2 reads as follows:

“Except where explicitly permitted in 9.3.x.0.3 or in the certificate of approval, the use of wood, aluminium alloys or plastic materials within the cargo area is prohibited.”

6. It is proposed that 9.3.x.0.2 should be modified as follows:

“Except where explicitly permitted in 9.3.x.0.3 or in the certificate of approval, the use of wood, aluminium alloys, ~~or~~ plastic materials **or rubber** within the cargo area is prohibited.”

7. The table attached to this request is based on the REAL situation rather than the provisions of 9.3.x.0.3 of ADN 2017, and thus once again contains requirements for fixed and movable equipment. The desired modifications submitted by the profession at the twenty-eighth session are marked in red.

8. All the other contributions to the discussion submitted since the twenty-eighth session are also included (in blue).

9. The authors have not complied with the Safety Committee’s wish that only one line be included with requirements for movable equipment, as the requirements for the various types of movable equipment differ too much to be dealt with in a single line.

10. It is proposed that 9.3.x.0.3 should be worded as follows:

“The use of wood, aluminium alloys, plastic materials or rubber in the cargo area is permitted as shown in the following table.

(Table)

11. All permanently fitted materials in the accommodation or wheelhouse, with the exception of furniture, shall not readily ignite. They shall not evolve fumes or toxic gases in dangerous quantities, if involved in a fire.”

12. Currently, 9.3.x.0.5 reads as follows:

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

13. It is proposed that 9.3.x.0.5 should be modified as follows:

“The use of plastic material for a vessel’s boats in the cargo area is permitted only if the material does not readily ignite. Except where explicitly permitted in 9.3.x.0.3 or in the certificate of approval, the use of wood, aluminium alloys, plastic materials or rubber is prohibited.

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

Justification

14. In the cases presented by EBU and ESO, 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.

Proposal for 9.3.1.0.3, 9.3.2.0.3 and 9.3.3.0.3 - (request from EBU/ESO/ERSTU)				
The use of wood, aluminium alloys, plastic materials or rubber is permitted only for (X indicates permitted)				
	Wood	Aluminium alloys	Plastic material	Rubber
Gangways	X	X	X	
External ladders and passageways (gangways) *)		X	X	
Cleaning equipment, e.g. brooms	X		X	
Movable equipment e.g. fire extinguishers, portable gas detectors, rescue winches	X	X	X	
Fenders	X		X	X
Mooring cables, fender ropes			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	
Protective covers of engines and pumps	-		X	
Parts of the electrical installation	X	X	X	
Parts of the loading and unloading installation, e.g., gaskets	X	X	X	X
Lids of boxes which are placed on the deck	X	X	X	-
Boxes, cabinets or other receptacles placed on the deck for storage of disposal and recovery equipment for capstans, extinguishers, fire hoses, waste, 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, 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

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Proposal for 9.3.1.0.3, 9.3.2.0.3 and 9.3.3.0.3 - (request from EBU/ESO/ERSTU)				
The use of wood, aluminium alloys, plastic materials or rubber is permitted only for			(X indicates permitted)	
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
Mat under hose assemblies for loading and unloading piping system			X	X
Fire hoses, air 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, and of the vessel's certificate, the measurement certificate and the Rhine navigation membership certificate		X	X	
(*) Take account of 9.3.1.0.5, 9.3.2.0.5 or 9.3.3.0.5, as appropriate				
Aluminium gauging rods are permitted, provided that they are fitted with brass feet or protected in another way to avoid sparking.				