



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-fifth session**

Geneva, 26-30 August 2019

Item 4 (b) of the provisional agenda

**Proposals for amendments to the Regulations annexed to ADN:
other proposals****Hose assemblies for LNG****Transmitted by the Government of the Netherlands*, ****

Executive summary:	Since LNG has become more and more a regular fuel and cargo for sea going ships and inland vessels, the Dutch delegation considered it desirable to develop requirements for hose assemblies used during loading, unloading and bunkering of LNG. The document contains one amendment on this matter to the Regulations annexed to ADN.
Action to be taken:	The Safety Committee is requested in paragraph 5 to adopt the proposed amendment
Related documents:	ECE/TRANS/WP.15/AC.2/2019/15 ECE/TRANS/WP.15/AC.2/70 (Paragraphs 45-47)

Introduction

1. During its thirty-fourth session, the Safety Committee discussed working document ECE/TRANS/WP.15/AC.2/2019/15 of the Dutch delegation. The Safety Committee invited the Dutch delegation to review their proposal to refer in 8.1.6.2 to ISO 20519:2017 in view

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of the comments made. Specifically, to investigate whether EN 1474-2:2008 might be better suited to be referred to in 8.1.6.2.

Comparison of the two standards

2. EN 1474-2:2008 concerns the description and design features of LNG transfer hoses and transfer hose assemblies. However, EN 1474-2:2008 does not include standards for yearly checks and inspections, which are commonplace for the other hose assemblies described in 8.1.6.2.

3. ISO 20519:2017 concerns specifications for bunkering of liquefied natural gas fuelled vessels. ISO 20519:2017 includes the requirements of EN 1474-2:2008 for LNG transfer hoses and transfer hose assemblies in part 5.5.2. Furthermore, parts 5.3 to 5.7 of ISO 20519:2017 concern various additional items such as an emergency release system and emergency shutdown system, system support and, dry-disconnect/connect coupling. These additional items go beyond the range of comparable current standards in 8.1.6.2 for the other hose assemblies.

Amendment

4. Considering the global coverage of ISO 20519:2017, the incorporation of ISO 20519:2017 in EU-law via article 3 of Regulation (EU) 2018/674 and the lack of checking and inspection procedures of EN 1474-2:2008, the Dutch delegation proposes to refer to part 5.5.2 of ISO 20519:2017 in 8.1.6.2 and to refer to part 5.8 of ISO 20519:2017 for the checking and inspection procedures.

“8.1.6.2 Hose assemblies used for loading, unloading or delivering products for the operation of the vessel and residual cargo shall comply with European standard EN 12115:2011-04 (Rubber and thermoplastics hoses and hose assemblies) or EN 13765:2010-08 (Thermoplastic multilayer (non-vulcanized) hoses and hose assemblies) or EN ISO 10380:2003-10 (Corrugated metal hoses and hose assemblies). They shall be checked and inspected in accordance with table A.1 of standard EN 12115:2011-04 or table K.1 of standard EN 13765:2010-08 or paragraph 7 of standard EN ISO 10380:2003-10 at least once a year, according to the manufacturer’s instructions, by persons authorized for this purpose by the competent authority. A certificate concerning this inspection shall be carried on board. **Hose assemblies used for loading, unloading or delivering Liquefied natural gas for the operation of the vessel shall comply with part 5.5.2 of ISO 20519:2017 (Ships and marine technology – Specification for bunkering of liquefied natural gas fuelled vessels) and shall be checked in accordance with the provisions of part 5.8 of ISO 20519:2017.**”

Action to be taken

5. The Dutch delegation requests the ADN Safety Committee to consider the proposed amendment in paragraph 4 and to take action as it deems appropriate.