
Economic Commission for Europe**Inland Transport Committee****6 January 2014****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-fourth session**

Geneva, 27-31 January 2014

Item 5 (b) of the provisional agenda

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

Amendment of provisions regarding transport of deeply refrigerated liquefied gases**Transmitted by the Government of Switzerland¹****Introduction**

The following proposals are intended to supplement provisions regarding the transport of liquefied natural gas adopted at the twenty-third session of the ADN Safety Committee (August 2013) on the basis of documents ECE/TRANS/WP.15/AC.2/2013/27 and Informal document INF.20. They also replace the proposals made in document ECE/TRANS/WP.15/AC.2/2014/7.

Proposals

Insert two new explanatory notes for column (20) to read as follows:

3.2.3.1 Explanations concerning Table C**Column 20 Additional requirements and remarks**

This column contains the determination of additional requirements and remarks concerning the substance.

“xx. During the carriage and handling of this substance the rules of the Revised International Code for the Construction and Equipment of Ships Carrying Liquefied Gases in Bulk, IGC-Code, shall apply additionally by analogy.

yy. During handling of this substance the ends of the pipings have to be inerted at the beginning of handling and after separation. Inertisation is not necessary if an appropriate dry coupling is used.”

¹ Distributed in German by the Central Commission for the Navigation of the Rhine under the symbol CCNR/ZKR/ADN/WP.15/AC.2/24/INF.15.

3.2.3.2 Table C

Insert the references to the new explanatory notes in column (20) for UN. Nos. 1038 and 1972.

											Column 20
1038	ETHYLENE, REFRIGERATED LIQUID	2	3F		2.1	G	1	1	1	1	31; <u>xx</u> ; <u>yy</u> ; <u>42</u>
1972	METHANE, REFRIGERATED LIQUID or NATURAL GAS, REFRIGERATED LIQUID with high methane content	2	3F		2.1	G	1	1	1	1	2; 31; <u>xx</u> ; <u>yy</u> ; <u>42</u>

In ECE/TRANS/WP.15/AC.2/2014/7, delete the proposal for 7.2.1.1.

7.2.4.10 Checklist

7.2.4.10.1 Amend the first sentence to read as follows:

“Loading or unloading shall not be started before the handling procedure has been arranged with the land installation and the checklist has been completed for the substance concerned. Questions 1 to 18 of the list have to be checked off for confirmation with an “X”.”

8.2.1.5 Insert the following new sentence at the end:

“Additionally the experts on the carriage of deeply refrigerated liquefied gases shall participate in a specialization course approved by the competent authority, which takes into account the special dangers presented by deeply refrigerated liquefied gases.”

In ECE/TRANS/WP.15/AC.2/2014/7, delete the proposal for 8.2.1.5.

9.3.1.8 Classification

Insert the new underlined text.

9.3.1.8.1 The tank vessel shall be built under survey of a recognised classification society in accordance with the rules established by that classification society for its highest class, and the tank vessel shall be classed accordingly.

The vessel's highest class shall be continued.

The classification society shall issue a certificate certifying that the vessel is in conformity with the rules of this section and the additionally applicable rules and regulations relevant for the intended use of the vessel (classification certificate).

The design pressure and the test pressure of cargo tanks shall be entered in the certificate.

If a vessel has cargo tanks with different valve opening pressures, the design and test pressures of each tank shall be entered in the certificate.

The classification society shall draw up a vessel substance list mentioning all the dangerous goods accepted for carriage by the tank vessel (see also 1.16.1.2.5).

In ECE/TRANS/WP.15/AC.2/2014/7, delete the proposal for 9.3.1.8.1.

9.3.1.11.2 Insert a new (e) to read as follows:

“(e) Cargo tanks designed for the carriage of deeply refrigerated liquefied natural gas (LNG) shall be covered in the bow area with a collision safeguard.”

In ECE/TRANS/WP.15/AC.2/2014/7, delete the proposal for 9.3.11.2.

9.3.1.25 *Pumps and piping*

9.3.1.25.2 Insert a new (h) to read as follows:

“(h) All shore connections of the piping for loading and unloading, which are used for loading or unloading of deeply refrigerated liquefied natural gas (LNG), shall be fitted with an appropriate and standardised connecting flange in conformity with ~~[the American National Standards Institute (ANSI) standard for flanges in accordance with guidelines of the Oil Companies International Marine Forum (OCIMF), 150 lbs (or EN/ISO 28460, DN 200, if appropriate)]~~. The connecting flanges shall be compatible with the safety quick-disconnect coupling of the piping for loading and unloading of the shore facility.”

In ECE/TRANS/WP.15/AC.2/2014/7, delete the proposal for 9.3.1.25.2.
