

**Economic and Social Council**Distr.: General
4 June 2013

Original: English

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)****Twenty-third session**

Geneva, 26–30 August 2013

Item 4 (b) of the provisional agenda

**Proposals for amendments to the Regulations annexed to ADN:
Other proposals****Provisions regarding stability of tank vessels in 7.2.3.20 and 9.3.x.13 and transitional provisions in 1.6.7.2.2.2****Transmitted by the Government of Germany¹***Summary***Executive summary:** When the new requirements regarding the intact stability of tank vessels were incorporated into ADN 2013, the existing transitional provisions in 1.6.7.2.2.2 that are in part applicable up to the year 2044 were not adapted accordingly.**Action to be taken:** Adaptation of the transitional provisions.**Related documents:** ECE/ADN/18 - Draft amendments to the Regulations annexed to ADN; ADN 2013.

¹ Distributed in German by the Central Commission for the Navigation of the Rhine under the symbol CCNR/ZKR/ADN/WP.15/AC.2/2013/15.

Introduction

1. On the basis of a proposal made by Germany, the Safety Committee agreed on amendments for the 2013 version of ADN, based on the evaluation of the damage sustained by the tank vessel "Waldhof" in January 2011 and which are aimed to further improve the stability of tank vessels. These included, in particular, 7.2.3.20.1 – Water ballast and 9.3.x.13.3 – Stability (general).

2. In 1.6.7.2.2.2, Table of general transitional provisions: Tank vessels, a new line was added to the amended 7.2.3.20.1 – Fitting of ballast tanks and compartments with level indicators. A new general transitional provision regarding the amended construction rules for Stability (general) in 9.3.x.13.3 was added as 1.6.7.2.2.4.

3. In spite of these detailed amendments of the stability provisions, the following existing, generally formulated transitional provisions in ADN 2011, referring to previous amendments of the Regulations, were kept in ADN 2013 without any change:

"1.6.7.2.2.2 Table of general transitional provisions: Tank vessels

7.2.3.20 – Use of cofferdams for ballasting

7.2.3.20.1 – Ballast water, Prohibition against filling cofferdams with water

7.2.3.20.1 – Proof of stability in the event of a leak connected with ballast water

9.3.1.13, 9.3.3.13 – Stability (general)

9.3.3.13.3, paragraph 2 – Stability (general)."

4. These provisions might be misunderstood to mean that the amendments adopted for ADN 2013 needed only to be applied with certain restrictions. This overlooks the fact that the new provisions apply immediately for all vessels, unless the new transitional provision in 1.6.7.2.2.4 provides otherwise.

5. This requires clarification. The references to the currently applicable provisions need to be formulated more precisely.

Proposal

6. It is proposed to modify the transitional provisions in the table in 1.6.7.2.2.2 relating to 7.2.3.20 to read as follows:

1.6.7.2.2.2 Table of general transitional provisions: Tank vessels

<i>Paragraphs</i>	<i>Subject</i>	<i>Time limit and comments</i>
"7.2.3.20	Use of cofferdams for ballasting	N.R.M., Renewal of the certificate of approval after 31 December 2038 Until then, the following requirements are applicable on board vessels in service: Cofferdams may be filled with water during unloading to provide trim and to permit residue-free drainage if possible.

7.2.3.20.1 <u>sentence 1</u>	Ballast water Prohibition against filling cofferdams with water	N.R.M. Renewal of the certificate of approval after 31 December 2038 Until then, the following requirements apply on board vessels in service: <u>Cofferdams may be filled with water during unloading to provide trim and to permit residue-free drainage if possible.</u> Cofferdams may be filled with ballast water only when cargo tanks are empty.
7.2.3.20.1 <u>sentence 2</u>	Proof of stability in the event of a leak connected with ballast water	N.R.M. Renewal of the certificate of approval after 31 December 2044 for Type G and Type N vessels
7.2.3.20.1 <u>sentence 4</u>	Fitting of ballast tanks and compartments with level indicators	N.R.M. Renewal of the certificate of approval after 31 December 2012 for Type C and G tank vessels and Type N double hull tank vessels"

Justification

7. 7.2.3.20 contains only the subject matter, while the actual provisions are contained in the separately numbered paragraphs arranged below. The designation of the applicable sentences helps to better understand the provision. During unloading, the cargo tanks are not yet empty. The transitional provision under 7.2.3.20.1, which has been newly included in ADN 2013, relates only to the fact that partial filling is prohibited, if the vessel is not equipped with level indicators.

Proposal

8. It is proposed to modify the transitional provisions in the table in 1.6.7.2.2.2 relating to 9.3.1.13 to read as follows:

1.6.7.2.2.2 *Table of general transitional provisions: Tank vessels*

<i>Paragraphs</i>	<i>Subject</i>	<i>Time limit and comments</i>
"9.3.1.13.1 9.3.3.13.1 9.3.1.13.2 9.3.3.13.2	Stability (general)	<u>For proof of stability in the event of a leak:</u> N.R.M. Renewal of the certificate of approval after 31 December 2044 <u>For proof of intact stability:</u> <u>N.R.M. Renewal of the certificate of approval after 31 December 2017</u>
9.3.3.13.3 Paragraph 2	Stability (general)	N.R.M. from 1 January 2007, Renewal of the certificate of approval after 31 December 2044"

9. It is also proposed to delete the transitional provision 1.6.7.2.2.4 as follows:

"1.6.7.2.2.4 ~~Paragraphs 9.3.1.13.3, 9.3.2.13.3 and 9.3.3.13.3 may be applied until 31
December 2014 in the version applicable on 31 December 2012. (Deleted).~~"

Justification

10. It is now clear that the transitional provision relates exclusively to stability in the event of a leak. With the new version of 9.3.3.13 in ADN 2013, the previous paragraph 2, to which the transitional provision referred (“For vessels with independent cargo tanks and for double-hull constructions ...”) has been deleted.

11. The transitional provision in 1.6.7.2.2.4 had ensured that existing tank vessels were required to be equipped with the stability booklet and/or the loading computer system as of 1 January 2014 only. The provision can therefore be omitted from the next version of ADN.

Safety

12. The obligation to maintain enhanced proof of intact stability will increase the safety of tank vessel navigation as a whole.

Implementation

13. The amendments of the service requirements in Part 7 do not involve any investment and are of an editorial nature.

14. The amendments of the rules for construction in Part 9 take into account that for existing vessels it is not possible to furnish proof of stability in the event of a leak. The issuance of stability booklets and the use of loading computer systems have – to the knowledge of the German delegation – already been initiated by industry.
