

Economic Commission for Europe

Inland Transport Committee

English

Working Party on the Transport of Dangerous Goods

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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-ninth session

Geneva, 22 - 25 August 2016

Item 4(b) of the provisional agenda

Proposals for amendments to the Regulations annexed to ADN:

Other proposals

Assignment of subgroups in explosion group II B – consequential amendments

Submitted by Germany

Related documents:

ECE/ADN/36 - Draft amendments to the Regulations annexed to ADN

ECE/TRANS/WP.15/AC.2/58, paragraphs 42 – 44

ECE/TRANS/WP.15/AC.2/2016/30, Annex 1, paragraph “1.2 Definitions”

ECE/TRANS/WP.15/AC.2/2016/38, paragraph 2

ECE/TRANS/WP.15/AC.2/2016/42, paragraphs 2 and 3

1. In the 28th session of the Safety Committee, it was decided to introduce subgroups of explosion group II B into ADN. It was noted that further consequential amendments are needed (ECE/TRANS/WP.15/AC.2/58 item 10, paragraphs 42 to 44).
2. Moreover, it was noted that it had to be clarified in the provisions that not only the electrical apparatus needed to be selected in accordance with the explosion groups. The non-electrical apparatus and autonomous protective systems, too, need to be suitable for the relevant explosion group/subgroup.
3. The pertinent text of the ADN has been examined in detail, and it is suggested to make amendments to three places for clarification and in connection with the introduction of the subgroups of explosion group II B.

Proposal 1

4. In 1.2.1 Definitions, the definition of the term “explosion group” should be reformulated as follows (amendments to the existing text are marked as crossed out/underlined).

“**Explosion group/subgroup** means a grouping of flammable gases and vapours according to their maximum experimental safe gaps (standard gap width, determined in accordance with specified conditions) and minimum ignition currents, and of electrical ~~apparatus installations,~~ equipment and autonomous protective systems intended to be used in a potentially explosive atmosphere (~~see EN IEC 60079-0:2012~~); for autonomous protective systems, explosion group II B is divided into subgroups.”.

Proposal 2

5. Replace the table contained in 3.2.3.3 Flowchart, schemes and criteria for determining applicable special requirements (columns (6) to (20) of Table C) Column (16): Determination of explosion group and in 3.2.4.3 Criteria for assignment of substances. Column (16): Determination of explosion group by the following:

Explosion group	Standard gap width in mm	Subgroup of II B	Standard gap width in mm
II A	> 0.9		
II B	≥ 0.5 to ≤ 0.9	II B1	> 0.85 to ≤ 0.9
		II B2	> 0.75 to ≤ 0.85
		II B3	> 0.65 to ≤ 0.75
II C	< 0.5		

The text in these two places remains unchanged.
