



Economic Commission for Europe**Inland Transport Committee****Working Party on the Transport of Dangerous Goods****Joint Meeting of the RID Committee of Experts and the
Working Party on the Transport of Dangerous Goods**

Bern, 15-19 March 2021

Item 5 (b) of the provisional agenda

**Proposals for amendments to RID/ADR/ADN:
new proposals****Security provisions and supervision requirements for
detonators****Note by the secretariat^{*}, ^{**}, ^{***}****Introduction**

1. At the 108th session of the Working Party on the Transport of Dangerous Goods (10–13 November 2020), during a discussion on the interpretation of the supervision requirements in special provision S1 (6) in ADR Chapter 8.5, the secretariat informed the Working Party that some consequential amendments might have been overlooked when harmonising RID/ADR/ADN with the twenty-first edition of the Model Regulations.
2. The Working Party noted that UN Nos. 0512 and 0513 should perhaps have been included in S1 (6), as was already the case for other detonators of classification 1.4B and 1.4S. Additionally, UN No. 0511 should probably be added to the list in 1.10.4 so that the security provisions would apply irrespective of the quantities carried, as was the case for UN Nos. 0512 and 0513.
3. For S1 (6), the secretariat will prepare an official document for the next session of the Working Party on the Transport of Dangerous Goods.
4. Since 1.10.4 is harmonised between RID, ADR and ADN, the Working Party requested to present this issue to the Joint meeting.

^{*} A/75/6 (Sect.20), para 20.51.

^{**} Circulated by the Intergovernmental Organisation for International Carriage by Rail (OTIF) under the symbol OTIF/RID/RC/2021/4.

^{***} This document was scheduled for publication after the standard publication date owing to circumstances beyond the submitter's control.

Supervision requirements for electronic detonators programmable for blasting

Background

5. Following harmonization with the twenty-first edition of the Model Regulations, three new entries for detonators were introduced in RID/ADR/ADN 2021:

0511	DETONATORS, ELECTRONIC programmable for blasting	1	1.1B
0512	DETONATORS, ELECTRONIC programmable for blasting	1	1.4B
0513	DETONATORS, ELECTRONIC programmable for blasting	1	1.4S

6. Detonators of UN No. 0511 are classified 1.1B and therefore assigned Category 1 in accordance with 1.1.3.6. Detonators of UN No. 0512 are assigned Category 2 and detonators of UN No. 0513 are assigned Category 4.

7. Before the fifteenth revised edition of the Model Regulations, explosives of Division 1.4 weren't included in the scope of high consequence dangerous goods. At its twenty-eighth session (28 November-6 December 2005), the Sub-Committee of Experts on the Transport of Dangerous Goods agreed that some articles such as some detonators, detonating cord and shaped charges could be attractive to terrorists and have potential utility in causing mass casualties or mass destruction. It was therefore agreed to include these articles in the list of high consequence dangerous goods irrespective of their division. Following this principle, UN Nos. 0511, 0512 and 0513 were added in Table 1.4.1 of the Model Regulations and consequently in Table 1.10.3.1.2 of RID/ADR/ADN 2021.

8. However, it appears that the conditions of application of the security provisions in RID/ADR/ADN differ for UN 0511 and for UN Nos. 0512 and 0513.

9. As stated in 1.10.4, the requirements of 1.10.1 (General security provisions), 1.10.2 (Security training), 1.10.3 (Provisions for high consequence dangerous goods including security plan) and ADR 8.1.2.1 (d) do not apply when the quantities carried in packages on a transport unit do not exceed those referred to in 1.1.3.6.3, except for the UN entries listed in 1.10.4 including UN Nos. 0512 and 0513.

10. Therefore, for UN 0511, Category 1, the security provisions do not apply for quantities carried below 20 kg when, for UN Nos. 0512 and 0513, respectively categories 2 and 4, the security provisions apply whatever the quantities transported since these entries are specifically listed in 1.10.4.

11. Since these three entries cover the same types of detonators, it would make sense to apply the same rules for all.

12. The Joint Meeting may wish to consider if the security provisions should also apply for detonators of UN 0511 in quantities below 20 kg and adopt the following proposals of amendment.

Proposals

13. Chapter 1.1, 1.1.3.6.2:

In the first indent, after "0500," add "0511,".

14. Chapter 1.10, 1.10.4:

In the first sentence, after "0500," add "0511,".