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**SUMMARY OF CHANGES TO ADR REGULATIONS REGARDING THE CARRIAGE OF
CLASS 7 DANGEROUS GOODS**

Summary: This document has been produced as a result of the Office for Nuclear Regulation (ONR) analysing differences between ADR 2015 and ADR 2017 regarding the carriage of Class 7 Dangerous Goods. It summarises what ONR considers are the key changes between the two versions. However the changes described below are not exhaustive, and those reading this document are reminded they should seek competent advice when looking to meet their duties under the Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009.

Chapter 1.2: Definitions and Units of Measurement

- 'Markings' are now referred to as 'marks' and the definition 'load' has been in some cases changed and replaced with 'fill'. Similar throughout whole document.
- For unilateral approval, the regulations used to say that if the origin country is not a Contracting Party to ADR that the approval requires validation by the competent authority of the first ADR Contracting Party to be reached by the consignment. Now it simply requires the validation to be done by the competent authority of an ADR Contracting Party, with no further specification.
- A new definition of *flexible bulk container* has been added
- New definitions for 'loading' and 'unloading' have been added.

Chapter 1.4

- **1.4.2.2.** Supplying the vehicle crew with instructions in writing as prescribed in ADR is now an obligation for the carrier.
- **1.4.3.1.** The loader is now obliged to comply with special requirements concerning loading and handling *at all times*, not just when loading/unloading.

Chapter 1.6

- **1.6.1.38.** Contracting Parties may continue to issue training certificates for dangerous goods safety advisors conforming to the model applicable until 31 December 2016, instead of those conforming to the requirements of 1.8.3.18 applicable from 1 January 2017, until 31 December 2018. Such certificates may continue in use to the end of their five year validity.

Chapter 1.8

- **1.8.3.** Checks and support measures now mention packing and filling, as well as loading and unloading practices.
- **1.8.3.12.** Provisions for electronic examinations have been added. Examinations are now required to be invigilated by the competent authority or a designated examining body.

Chapter 1.9

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- **1.9.5.2.** Dangerous goods restrictions for Tunnel category E have been altered: the clause “all dangerous goods other than UN Nos. 2919, 3291, 3331, 3359 and 3373” has been replaced with “all dangerous goods other than those for which ‘(-)’ is marked in Column 15 of Table A of Chapter 3.2”.

Chapter 2.1

- **2.1.2.** Statement added to ‘principals of classification’ that states “The substances listed by name in column 2 of Table A of Chapter 3.2 shall be carried according to their classification in Table A or under the conditions specified in 2.1.2.8”.
- **2.1.2.8.** A new paragraph has been added listing what the consignor may do if test data identifies that a substance listed by name in Column 2 of Table A of Chapter 2.1 meets classification criteria for a class that is not identified in Column 3a or 5 of Table A. The paragraph states that competent authority approval is required. The competent authority is required to submit relevant proposals of amendment to the Dangerous Goods List in the UN Model Regulations for approval. If such proposed amendments are rejected, the competent authority should withdraw its approval.

Chapter 3.2

- **Column 17** of Table A of Chapter 3.2 has altered information for ‘special provisions for carriage – Bulk’. The advice is now more specific regarding special provision codes.

Chapter 3.3 (Special Provisions)

- **SP 172:** Placards must be affixed to ‘cargo transport units’ and not ‘vehicles and containers’ as stated before.
- **SP 317:** New wording. “Fissile excepted applies only to those fissile material and packages containing fissile material which are excepted in accordance with 2.2.7.2.3.5.
- **SP 369:** New wording: “In accordance with 2.1.3.5.3(a), this radioactive material in an excepted package possessing toxic and corrosive properties is classified in Class 6.1 with radioactivity and corrosivity subsidiary risks. In 2015 version, toxic material was not mentioned, only corrosive material, and the classification was for Class 8 with radioactive material subsidiary risks.
- **SP 373:** adsorption has been added alongside absorption in this provision.
- **SP 378:** New provision regarding radiation detectors containing gas in non-refillable pressure receptacles not meeting the requirements of Chapter 6.2 and packing instruction P200 of 4.1.4.1.

Chapter 5.1

- **5.1.2.1.** Alterations have been made to the wording describing use of overpacks, with some exceptions now being made.

Chapter 5.2

- **5.2.1.7.4.** Special marking provisions for radioactive material. Type IP-2/IP-3/A packages shall be legibly and durably marked on the outside of the packaging with the distinguishing sign used on vehicles in international road traffic. Mention of the international vehicle registration code (VRI Code) has been removed.

Chapter 5.3

- **5.3.1.2.** Statement added that states, when placarding containers, MEGCs, tank-containers and portable tanks; if all compartments have to bear the same placards,

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these placards need to be displayed only once along each side and at both ends of the tank container or portable tank.

- **5.3.2.3.2.** Hazard identification number has been added: 768, radioactive material, toxic, corrosive.

Chapter 5.4

- **5.4.3.5.** New paragraph: Contracting Parties shall provide the UNECE secretariat with the official translation of the instructions in writing in their national language(s), in accordance with this section. The UNECE secretariat shall make the national versions of the instructions in writing that it has received available to all Contracting Parties.

Chapter 6.4

- **6.4.22.** Changes have been made to 'approvals of package designs and materials'. The certificate is no longer required to be validated by the competent authority of the *first* country Contracting Party to ADR reached by the assignment. In the new wording, the certificate is validated by a competent authority of an ADR Contracting Party.

Chapter 7.5

- **7.5.1.** A note stating that placing a container etc. onto a vehicle is considered to be loading has been deleted. References to 'unloading' have been replaced with 'removal'.
- **7.5.1.** References to large containers have been removed from the general provisions of this chapter. The chapter now only refers to containers.
- **7.5.7.6** New information on the loading of flexible bulk containers.

Chapter 8.2

- **8.2.2.7.1.** Requirements of the competent authority with regards to electronic examinations and invigilation of examinations has been added.