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Working Party on the Transport of Dangerous Goods

Joint Meeting of the RID Safety Committee and the
Working Party on the Transport of Dangerous Goods
(Bern, 24-28 March 2003)

DANGEROUS GOODS TRANSPORT SECURITY

New UN Recommendations on security

Note by the secretariat */

The Committee of Experts on the Transport of Dangerous Goods and the Globally Harmonized System of Classification and Labelling of Chemicals adopted, at its first session held in Geneva from 11-12 December 2003 new recommendations concerning transport of dangerous goods security, under the form of a new Chapter 1.4 of the Model Regulations on the Transport of Dangerous Goods and of amendments to Chapter 1.3.

In accordance with its term of reference, the Joint Meeting should consider incorporating the new provisions, as reproduced hereafter, in ADR, RID and ADN.

***/** Circulated by the Central Office for International Carriage by Rail (OCTI) under the symbol OCTI/RID/GT/III/2003/22.

The UN Model Regulations on the Transport of Dangerous Goods have been amended as follows:

Part 1 Add the following new chapter 1.4:

"CHAPTER 1.4

SECURITY PROVISIONS

Introductory notes

NOTE 1: *This Chapter provides requirements intended to address the security of dangerous goods in transport in all modes. Mode specific security provisions can be found in Chapter 7.2. National and modal authorities may apply additional security provisions which should be considered when offering or transporting dangerous goods.*

NOTE 2: *For the purposes of this Chapter security means measures or precautions to be taken to minimise theft or mis-use of dangerous goods that may endanger persons or property.*

1.4.1 General provisions

1.4.1.1 All persons engaged in the transport of dangerous goods shall consider security requirements for the transport of dangerous goods commensurate with their responsibilities.

1.4.1.2 Consignors shall only offer dangerous goods to carriers that have been appropriately identified.

1.4.1.3 Transit sites, such as airside warehouses, marshalling yards and other temporary storage areas shall be properly secured, well lit and, where possible, not be accessible to the general public.

1.4.2 Security training

1.4.2.1 The training specified for individuals in 1.3.2 (a), (b) or (c) shall also include elements of security awareness.

1.4.2.2 Security awareness training shall address the nature of security risks, recognising security risks, methods to address and reduce such risks and actions to be taken in the event of a security breach. It shall include awareness of security plans (if appropriate) commensurate with the responsibilities of individuals and their part in implementing security plans.

1.4.2.3 Such training shall be provided or verified upon employment in a position involving dangerous goods transport and shall be periodically supplemented with retraining.

1.4.2.4 Records of all security training undertaken shall be kept by the employer and made available to the employee if requested.

1.4.3 Provisions for high consequence dangerous goods

1.4.3.1 In implementing national security provisions competent authorities shall consider establishing a programme for identifying consignors or carriers engaged in the transport of high consequence dangerous goods for the purpose of communicating security related information. An indicative list of high consequence dangerous goods is provided in Table 1.4.1.

1.4.3.2 *Security plans*

1.4.3.2.1 Carriers, consignors and others (including infrastructure managers) engaged in the transport of high consequence dangerous goods (see Table 1.4.1) shall adopt, implement and comply with a security plan that addresses at least the elements specified in 1.4.3.2.2.

1.4.3.2.2 The security plan shall comprise at least the following elements:

- (a) specific allocation of responsibilities for security to competent and qualified persons with appropriate authority to carry out their responsibilities;
- (b) records of dangerous goods or types of dangerous goods transported;
- (c) review of current operations and assessment of vulnerabilities, including inter-modal transfer, temporary transit storage, handling and distribution as appropriate;
- (d) clear statements of measures, including training, policies (including response to higher threat conditions, new employee/employment verification etc.), operating practices (e.g. choice/use of routes where known, access to dangerous goods in temporary storage, proximity to vulnerable infrastructure etc.), equipment and resources that are to be used to reduce security risks;
- (e) effective and up to date procedures for reporting and dealing with security threats, breaches of security or security incidents;
- (f) procedures for the evaluation and testing of security plans and procedures for periodic review and update of the plans;
- (g) measures to ensure the security of transport information contained in the plan; and
- (h) measures to ensure that the security of the distribution of transport information is limited as far as possible. (Such measures shall not

preclude provision of transport documentation required by Chapter 5.4 of these Regulations).

NOTE: *Carriers, consignors and consignees should co-operate with each other and with appropriate authorities to exchange threat information, apply appropriate security measures and respond to security incidents.*

Table 1.4.1: INDICATIVE LIST OF HIGH CONSEQUENCE DANGEROUS GOODS

High consequence dangerous goods are those which have the potential for mis-use in a terrorist incident and which may, as a result, produce serious consequences such as mass casualties or mass destruction. The following is an indicative list of high consequence dangerous goods:

Class 1, Division 1.1 explosives

Class 1, Division 1.2 explosives

Class 1, Division 1.3 compatibility group C explosives

Class 1, Division 1.5 explosives

Division 2.1 flammable gases in bulk

Division 2.3 toxic gases (excluding aerosols)

Class 3 flammable liquids in bulk of packing groups I and II

Class 3 and Division 4.1 desensitised explosives

Division 4.2 goods of packing group I in bulk

Division 4.3 goods of packing group I in bulk

Division 5.1 oxidizing liquids in bulk of packing group I

Division 5.1 perchlorates, ammonium nitrate and ammonium nitrate fertilisers, in bulk

Division 6.1 toxic substances of Packing Group I

Division 6.2 infectious substances of Category A

Class 7 radioactive material in quantities greater than 3000 A₁ (special form) or 3000 A₂, as applicable in Type B or Type C packages

Class 8 corrosive substances of packing group I in bulk

NOTE 1: For the purposes of this table 'in bulk' means transported in quantities greater than 3000 kg or 3000 l in portable tanks or bulk containers.

NOTE 2: *For purposes of non-proliferation of nuclear material the Convention on Physical Protection of Nuclear Material applies to international transport supported by IAEA INFCIRC/225(Rev.4)."*

PART 7 Add a new section 7.2.4 as follows:

"7.2.4 Security provisions for transport by road, rail and inland waterway

NOTE: *These provisions are in addition to those applicable to all modes of transport as provided in Chapter 1.4.*

7.2.4.1 Each crew member of road vehicles, trains and inland waterway craft transporting dangerous goods shall carry with them means of identification, which includes their photograph, during transport.

7.2.4.2 When appropriate and already fitted, the use of transport telemetry or other tracking methods or devices shall be used to monitor the movement of high consequence dangerous goods (*see Table 1.4.1 in Chapter 1.4.*).

7.2.4.3 The carrier shall ensure the application to vehicles and inland waterway craft transporting high consequence dangerous goods (*see Table 1.4.1 in Chapter 1.4*) of devices, equipment or arrangements to prevent the theft of the vehicle or inland waterway craft or its cargo and shall ensure that these are operational and effective at all times.

7.2.4.4 Safety inspections on transport units shall cover appropriate security measures."

CONSEQUENTIAL AMENDMENTS

1.3.1 Add the following sentence at the end: "Training requirements specific to security of dangerous goods in Chapter 1.4. shall also be addressed."

1.3.3 Add a new 1.3.3 as follows:

"Records of all safety training undertaken shall be kept by the employer and made available to the employee if requested."

Renumber existing 1.3.3 as 1.3.4
