

# UN/SCETDG/22/INF.51

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## COMMITTEE OF EXPERTS ON THE TRANSPORT OF DANGEROUS GOODS AND ON THE GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS

### Sub-Committee of Experts on the Transport of Dangerous Goods

(Twenty-second session, 2-6 December 2002,  
agenda item 4(a))

#### NEW PROPOSALS

##### Outstanding issues

##### Transport and Security

##### Transmitted by the Chairman of the Working Group

1. The following text was agreed by the Working Group on Transport and Security for insertion in the Model Regulations:

#### Proposal

#### "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 that 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.*

#### General Provisions

- 1.4.1 All persons engaged in the transport of dangerous goods shall consider security requirements for the transport of dangerous goods commensurate with their responsibilities.
- 1.4.2 Consignors shall only offer dangerous goods to carriers that have been appropriately identified.
- 1.4.3 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.
- 1.4.4 **Security training**
  - 1.4.4.1 The training specified for individuals in 1.3.2 (a), (b) or (c) shall also include elements of security awareness.

- 1.4.4.2 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.
- 1.4.4.3 Such training shall be provided or verified upon employment in a position involving dangerous goods transport and shall be periodically supplemented with retraining.
- 1.4.4.4 Records of all security training undertaken shall be kept by both the employer and the employee.

### **Provisions for High Consequence Dangerous Goods**

1.4.5 In implementing national security provisions competent authorities should 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

#### 1.4.6 Security plans

1.4.6.1 Carriers, consignors and others (including infrastructure managers) engaged in the transport of high consequence dangerous goods (see Table 1) shall adopt, implement and comply with a security plan that addresses at least the elements specified in 1.4.6.2.

1.4.6.2 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 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 situations, 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 information contained in the plan. Distribution of transport documentation should be limited as far as possible. Such measures shall not preclude providing transport documentation required by Chapter 5.4 of the Model 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****INDICATIVE LIST OF HIGH CONSEQUENCE DANGEROUS GOODS**

High consequence dangerous goods are those that 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 in bulk of Packing Group I  
 Division 4.3 in bulk of Packing Group I  
 Division 5.1 oxidizing liquids in bulk of Packing Group I  
 Division 5.1 ammonium nitrate, perchlorates 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 A<sub>2</sub> or 100,000 A<sub>1</sub> in Type B and Type C packagings  
 Class 8 corrosive substances in bulk of Packing Group I

*NOTE 1: for the purpose of this Table 'in bulk' means transported in quantities greater than 3000 kilograms or 3000 litres 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****CHAPTER 7.2****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 The use of transport telemetry or tracking methods or devices may be used to monitor the movement of high consequence dangerous goods (*see Table 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 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**

Amend 1.3.1 as follows:

Add second sentence to read “Training requirements specific to security of dangerous goods in Chapter 1.4.4 shall also be addressed.”

Add new 1.3.3 as follows:

Records of all safety training undertaken shall be kept by both the employer and the employee.

Re-number existing 1.3.3 as 1.3.4

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