

Security Provisions for the Transport of Dangerous Goods by Rail according to RID

G. Kafka

Deputy to the Secretary General, OTIF



SECURITY

- means measures or precautions to be taken to minimise theft or misuse of dangerous goods that may endanger persons, property or the environment



GENERAL RESPONSIBILITY

- All **persons** engaged in the carriage of dangerous goods shall consider the security requirements set out in Chapter 1.10 RID commensurate with their responsibilities.



RELIABILITY OF PARTNERS

- Dangerous goods shall only be offered for carriage to carriers that have been appropriately **identified**.
- Each crew member of a train carrying dangerous goods shall carry with them **means of identification**, which includes their photograph, during carriage.



INFRASTRUCTURE

- Areas within temporary storage terminals, temporary storage sites, vehicle depots, berthing areas and **marshalling yards** used for temporary storage during carriage of dangerous goods shall be properly secured, well lit and, where possible and appropriate, **not accessible to the general public.**



RAILWAY INFRASTRUCTURE MANAGER

- The railway infrastructure manager
 - (a) shall ensure that internal emergency plans for marshalling yards are prepared
 - (b) shall ensure that he has rapid and unrestricted access to the following information at any time during carriage:
 - composition of the train,
 - UN numbers of the dangerous goods being carried,
 - position of these wagons in the train,
 - mass of the load

This information shall only be disclosed to those parties that require it for safety, **security** or emergency response purposes



HIGH CONSEQUENCE DANGEROUS GOODS

- Goods which have the potential for misuse in a terrorist incident and which may, as a result, produce serious consequences such as mass casualties or mass destruction. The list of high consequence dangerous goods is provided in Table 1.10.5 RID.



HIGH CONSEQUENCE DANGEROUS GOODS

Class	Division	Substance or article	Quantity ≥		
			Tank (L)	Bulk (kg)	Packages (kg)
1	1.1	Explosives	a	a	0
	1.2	Explosives	a	a	0
	1.3	Compatibility group C explosives	a	a	0
	1.5	Explosives	0	a	0
2		Flammable gases (classification codes including only the letter F)	3000	a	b
		Toxic gases (classification codes including letters T, TF, TC, TO, TFC or TOC) excluding aerosols	0	a	0
3		Flammable liquids of packing groups I and II	3000	a	b
		Desensitized explosives	a	a	0
4.1		Desensitized explosives	a	a	0
4.2		Packing group I substances	3000	a	b
4.3		Packing group I substances ¹	3000	a	b
5.1		Oxidizing liquids of packing group I	3000	a	b
		Perchlorates, ammonium nitrate and ammonium nitrate fertilizers	3000	3000	b
6.1		Toxic substances of packing group I	0	a	0
6.2		Infectious substances of Category A (UN Nos. 2814 and 2900)	a	a	0
7		Radioactive material	3000 A1 (special form) or 3000 A2, as applicable, in Type B(U) or Type B(M) or Type C packages		
8		Corrosive substances of packing group I	3000	a	b

(a) Not relevant
 (b) The provisions of 1.10.3 do not apply, whatever the quantity is.



SECURITY PLANS

- Participants engaged in the carriage of high consequence dangerous goods shall adopt, implement and comply with a security plan that addresses at least the following elements:



SECURITY PLAN ELEMENTS

- specific allocation of responsibilities for security to **competent and qualified persons with appropriate authority** to carry out their responsibilities
- list of dangerous goods or types of **dangerous goods concerned**



SECURITY PLAN ELEMENTS

- review of current **operations** and assessment of **security risks**, including any stops necessary to the transport operation, the keeping of dangerous goods in the wagon, tank or container before, during and after the journey and the intermediate temporary storage of dangerous goods during the course of intermodal transfer or transshipment between units, as appropriate



SECURITY PLAN ELEMENTS

designation of **measures** that are to be taken to reduce security risks, commensurate with the responsibilities and duties of the participant, including:

- training
- security policies (e.g. 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 intermediate temporary storage, proximity to vulnerable infrastructure etc.)
- equipment and resources that are to be used to reduce security risks



SECURITY PLAN ELEMENTS

- **reporting** on and dealing with security threats, breaches of security or security incidents
- procedures for the evaluation and testing of security plans and for the periodic review and update of the plans
- measures to ensure the **physical security** of transport **information** contained in the security plan
- Designation of measures to ensure that the **distribution of information** relating to the transport operation contained in the security plan is **limited** to those who need to have it. Such measures shall not preclude the provision of information required elsewhere in RID



PREVENTION OF THEFT

- Devices, equipment or arrangements to prevent the theft of the train or wagon carrying high consequence dangerous goods and its cargo, shall be applied and measures taken to ensure that these are operational and effective at all times. The application of these protective measures shall not jeopardize emergency response.
- When appropriate and already fitted, the use of transport telemetry or other tracking methods or devices should be used to monitor the movement of high consequence dangerous goods.



SECURITY TRAINING

- **Chapter 1.3 of RID:**

Persons employed by consignors, carriers, consignees, loaders, packers, fillers, tank operators and railway infrastructure managers, whose duties concern the carriage of dangerous goods, shall receive training in the requirements governing the carriage of such goods appropriate to their responsibilities and duties. **Training requirements specific to security of dangerous goods in Chapter 1.10 of RID shall also be addressed.**



SECURITY TRAINING

- **Chapter 1.10 of RID:**

The training specified in Chapter 1.3 f RID shall also include elements of security awareness. The security refresher training need **not be linked to regulatory changes** only.

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 and duties of individuals and their part in implementing security plans.



SAFETY ADVISER

- Each undertaking, the activities of which include the carriage, or the related packing, loading, filling or unloading of dangerous goods by rail shall appoint one or more safety advisers for the carriage of dangerous goods, responsible for helping to prevent the risks inherent in such activities with regard to persons, property and the environment.
- The safety adviser's duties also include **monitoring** a number of practices and procedures relating to the relevant activities of the undertaking *inter alia* **the existence of the security plan.**



MONITORING

- **Chapter 1.10 of RID:**

Safety inspections in accordance with Section 1.8.1 of RID (i. e. administrative controls of dangerous goods) **shall cover appropriate security measures.**

- **Chapter 1.8 of RID:**

The competent authorities of the Member States may, on their national territory, at any time, conduct spot checks to verify whether the requirements concerning the carriage of dangerous goods have been met **including those concerning security measures.**



- Thank you for your attention.
- If you have any questions,
I will be pleased to answer them!

