

# Security provisions in transport of dangerous goods by road

ADR Agreement

Sabrina Mansion

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**UNECE**

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# Definitions

- Safety provisions

Prevent accidents to persons or property and damage to the environment, the means of transport employed or to other goods

- Security provisions

Minimize the risk of theft or misuse of dangerous goods that may endanger persons or property

# Before 9/11

- ADR provisions to ensure a high level of safety and to facilitate international and multimodal transport
- High level of safety provided by the transport equipment required
- Provisions also address security:
  - Construction of packagings and transport equipment,
  - Training of vehicle crew and transport workers
  - Supervision of vehicles (explosives, highly dangerous substances)
  - Places of loading and unloading
  - Parking sites
- Dangerous goods safety advisers



# Before 9/11

- Article 4, par. 1 of ADR:

Each Contracting Party retains the right to regulate or prohibit, for reasons other than safety during carriage, the entry of dangerous goods into its territory.

- Additional regulations concerning the control of import/export of certain categories of dangerous goods
- Request to have escort vehicles or an approved official on board
- Restrictions concerning the use of bridges or tunnels, routeing requirements to avoid commercial or residential areas, restrictions on movement of dangerous goods traffic on certain days





# After 9/11

- Necessary to consider much more closely how to prevent potential terrorist attacks
- Transport of dangerous goods was rapidly identified as one of the areas where appropriate international action should be taken urgently
- Sub-Committee of Experts on the TDG recommended security measures or precautions that should be provided through transport of dangerous goods regulations in order to minimize the risk of theft or misuse of dangerous goods that may endanger persons or property
- New Chapter adopted by the Committee TDG/GHS in December 2002 (ST/SG/AC.10/29/Add.1) (Amendment to 12th revised edition of the UN Model Regulations)
- Transposed in ADR 2005 (entry into force on 1 January 2005 / mandatory since 1 July 2005)



# Security provisions

- General provisions
  - security of areas for temporary storage of dangerous goods
  - identification of carriers and their staff
  - registration of valid training certificates
- Security awareness training
- Provisions applicable to “high consequence dangerous goods”
  - List of high consequence dangerous goods
  - Security plans
  - Devices, equipment and arrangement to prevent theft of the vehicles or cargo





# Discussions and developments

- New substances and goods included in the UN Model Regulations are evaluated for consideration as High Consequence Dangerous Goods: electronic and electric detonators, medical wastes of Category A, extremely insensitive articles which do not have a mass explosion hazard (1.6 explosives)
- List of high consequence dangerous goods, is the result of harmonization of ADR with the Model Regulations
- List of high consequence dangerous goods or provisions may be modified according to the regional situation or the perceived level of threat at a given moment for a given mode of transport
- The Working Party on the Transport of Dangerous Goods which administers ADR agreed that amendments to the list should be discussed first at the Sub-Committee TDG





<https://unece.org/transport/dangerous-goods>