



**Radiological Protection Institute of Ireland**

**An Institiúid Éireannach um Chosaint Raideolaíoch**

**Guidance notes on training of persons involved in  
the carriage of radioactive material (Class 7) by road**



## **Guidance Notes**

On training of persons involved in the carriage of radioactive material  
(Class 7) by road

**Radiological Protection Institute of Ireland**  
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## **1. Training of persons involved in the carriage of radioactive material**

The information in this section has been extracted from Chapter 1.3 of the 2007 ADR.

### **Scope and applicability**

Persons employed by the participants (consignor, carrier, consignee, loader etc) whose duties concern the carriage of radioactive material, must receive training in the requirements governing their carriage. This training must be appropriate to the responsibilities and duties of the individuals concerned. The training requirements set out in ADR Chapter 1.10 that are specific to the security of the radioactive material being carried, must also be addressed.

### **General awareness training**

Persons whose duties concern the carriage of radioactive material by road must receive training in the requirements governing the carriage of such goods appropriate to their responsibilities and duties according to Chapter 1.3 of the ADR.

Personnel must be familiar with the general requirements of the provisions for the carriage of radioactive material (see Chapter 1.7 of the ADR).

Personnel must receive appropriate training concerning radiation protection hazards including the precautions to be observed in order to restrict their occupational exposure and that of other persons who might be affected by their actions. Additionally, the training provided must aim to make personnel aware of safe handling procedures and the actions to be taken in the event of an incident.

This requirement applies to individuals such as personnel who are employed by the road vehicle operator or the consignor, personnel who load or unload dangerous goods, personnel in freight forwarding or shipping agencies and drivers of vehicles other than drivers holding a certificate in accordance with 8.2.1, involved in the carriage of radioactive material by road.

Where the carriage of radioactive material involves a multimodal transport operation, the personnel must be made aware of the requirements concerning other transport modes.

### **Documentation**

Details of all training undertaken must be kept by both the employer and the employee and must be verified upon commencing a new employment. The general awareness training must be periodically supplemented with refresher training to take account of changes in regulations.

## Security Training

Security provisions are included in Chapter 1.10 of the ADR. Security means measures or precautions to be taken to minimize theft or misuse of packages containing radioactive material that may endanger persons, property or the environment.

The training specified in Chapter 1.3 of the ADR must also include elements on security awareness. This training must address the nature of security risks, recognizing security risks, methods to address and reduce such risks and actions to be taken in the event of a security breach. It must include awareness of security plans (if appropriate) commensurate with the responsibilities and duties of individuals and their part in implementing such security plans.

Carriers, consignors and other participants engaged in the carriage of high consequence dangerous goods such as radioactive material carried in Type B packages must adopt and implement an appropriate security plan.

## **2. Requirements concerning the training of vehicle crew**

The information contained in this section has been extracted from Chapter 8.2 of the 2007 ADR.

### **General requirements concerning the training of drivers [8.2.1]**

Drivers of vehicles carrying dangerous goods must hold a certificate issued by the Health and Safety Authority stating that they have participated in a training course and passed an examination on the particular requirements that have to be met during carriage of dangerous goods [8.2.1.1].

Drivers of vehicles carrying dangerous goods must attend a basic training course. Training must be given in the form of a course approved by the Health and Safety Authority. Its main objectives are to make drivers aware of hazards arising in the carriage of dangerous goods and to give them basic information indispensable for minimizing the likelihood of an incident taking place and, if it does, to enable them to take measures which may prove necessary for their own safety and that of the environment, for limiting the effects of an incident. This training, which must include individual practical exercises, shall act as the basis of training for all categories of drivers including those carrying radioactive material, covering at least the subjects defined in the section on structure in training (8.2.2.3.2) [8.2.1.2].

The requirement of 8.2.1 for driver training shall not apply to the carriage of radioactive material in excepted packages (UN Nos. 2908, 2909, 2910 and 2911) only [Chapter 8.5, S5].

Drivers of vehicles carrying certain radioactive material (see provisions S11 and S12 in Chapter 8.5) must attend a specialisation training course covering at least the subjects defined in 8.2.2.3.5 [8.2.1.4].

Information on the availability of specialisation training for drivers carrying radioactive material may be obtained from the Institute.

### 3. Summary of Training Requirements

- (a) Under the ADR, awareness training is required for the transport of EXCEPTED PACKAGES. Note the ADR basic training for drivers is not required for the transport of Excepted Packages. Awareness training applies to individuals such as personnel who are employed by the road vehicle operator or the consignor, personnel who load or unload dangerous goods, personnel in freight forwarding or shipping agencies and drivers of vehicles other than drivers holding a certificate in accordance with 8.2.1, involved in the carriage of radioactive material by road.
- (b) Awareness training is also required as above for the transport of TYPE A PACKAGES where the total number of packages containing radioactive material does not exceed 10 and the sum of the carriage indices does not exceed 3.

Awareness training shall be confirmed by a certificate provided by their employer.

- (c) Drivers must attend an ADR Class 7 specialisation course for the transport of TYPE A Packages where the total number of packages containing radioactive material exceeds 10 and the sum of the carriage indices exceeds 3. ADR Class 7 specialisation is also required for the carriage of TYPE B Packages.

Please note that in order to take an ADR specialisation course the driver must hold a current basic ADR driver training certificate issued by the Health and Safety Authority. Additionally there is mutual recognition of valid ADR training certificates by competent authorities of Contracting Parties to the ADR.

The RPII has adopted the ADR as it is written. However, we recommend, as good practice, that all drivers carrying TYPE A Packages have the full ADR Class 7 training certificate.

Details of ADR course providers are available on the Health and Safety Authority Website [www.hsa.ie](http://www.hsa.ie) or from the Chartered Institute of Logistics and Transport [www.cilt.ie](http://www.cilt.ie).

## Notes



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## **Mission Statement**

"To protect people from the harmful effects of ionising radiation, both natural and man-made, through effective regulation, monitoring of the environment and the provision of accurate and timely advice to the public and to Government"

## **Contact us**

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