

# COGTRM9

## Ensure that consignments of radioactive material are loaded onto vehicles



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### Overview

This unit is for you if you are a driver who transports radioactive material by road, and are therefore responsible for checking that the vehicle is correctly loaded, whether or not you have loaded it yourself.

The unit deals with the following:

- 1 Ensuring that radioactive material is loaded onto vehicles in line with operational and regulatory requirements

Radioactive material can potentially cause harm to people, property and the environment, so it is vitally important that you take all necessary safety measures.

During this work you must take account of the relevant operational requirements and safe working practices AS THEY APPLY TO YOU.

This unit is relevant to drivers who transport consignments of radioactive material by road, whether or not they load the vehicle themselves.

### Previous Version:

Not applicable

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### Performance criteria

*You must be able to:*

- P1 ensure that the loading area is suitable and safe
- P2 confirm that the vehicle and the consignment are compatible
- P3 ensure that the appropriate personal protective equipment is used
- P4 check packages for damage and deal appropriately with any damaged ones in accordance with operational and regulatory requirements
- P5 ensure that any special requirements for loading the radioactive material are carried out
- P6 take action when there are problems with loading, in accordance with operational and regulatory requirements
- P7 ensure the consignment is secured with the specified restraints
- P8 use communication channels with all participants effectively
- P9 ensure that operational and regulatory requirements are complied with

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### Knowledge and understanding

*You need to know and understand:*

- K1 the nature of radiation, its hazards and protection measures
- K2 quality assurance principles and practices
- K3 how to check that the consignment of radioactive material to be loaded matches the transport documents
- K4 the appropriate personal protection equipment and how to use it
- K5 the requirements of a safe and suitable loading area
- K6 the load restrictions for the vehicle and how to ensure that it is within the weight and radiation dose limits
- K7 how to recognise and deal with damage to packages
- K8 special requirements that apply to radioactive material when loading
- K9 the regulatory requirements concerning plating and placarding of radioactive material
- K10 the regulatory requirements concerning segregation and separation of radioactive packages and other non-radioactive goods
- K11 the requirements of loading packages with criticality safety index labels
- K12 with whom to communicate, and how to do so
- K13 operational and regulatory requirements relating to loading vehicles with packages of radioactive material

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## Additional Information

### Glossary

#### **Consignment**

Any package, packages, or load of radioactive material presented by a consignor for transport

#### **Conveyance**

For transport by:

- 1 road or rail: any vehicle
- 2 water: any vessel, or any hold, compartment or defined deck area of a vessel
- 3 air: any aircraft

#### **Labelling**

Indication on a package of its contents, activity, transport index, criticality safety index as appropriate, and any other information, as required by the transport regulations

#### **Operational and regulatory requirements**

The organisation's procedures, third party organisation's procedures, local management instructions, operating procedures, guidelines, codes of practice, regulations, legislation, highway code, transport regulations, load restrictions

#### **Package**

The packaging with its radioactive contents as presented for transport

#### **Participants in transportation of radioactive material**

Consignor, consignee, carrier, packer, loader/unloader, driver, Dangerous Goods Safety Adviser, Radiation Protection Adviser

#### **Personal protective equipment**

Equipment or work wear to protect the worker from radiation and other Hazards

#### **Placarding**

Visible indication on the outside of a conveyance that it is carrying dangerous goods, and identifying the class and in certain cases the UN number of the dangerous goods being carried, as required by the transport regulations

#### **Plating**

The attachment of an orange plate to a conveyance carrying dangerous goods as required by the regulations for carriage of dangerous goods by road

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### **Special requirements**

These may include segregation from other goods, loading with high radiation packages in the middle of vehicle, etc. monitoring radiation dose rate

### **Vehicle**

The vehicle you normally drive, including trailer when connected, and ancillary equipment

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**Relevant occupations** Engineering and manufacturing technologies; Manufacturing technologies; Process, Plant and Machine Operatives; Plant and Machine Operatives

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**Suite** Transportation of Radioactive Materials

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