

COGTRM8

Transport consignments of radioactive material by road



Overview

This unit is for you if you are a driver who transports consignments of radioactive material by road.

The unit deals with the following:

1 Transporting consignments of radioactive material by road

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 applies to drivers who transport consignments of radioactive material by road.

Previous Version:

Not applicable

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Performance criteria

You must be able to:

- P1 obtain information on the consignment, destination and schedule
- P2 confirm you are authorised and qualified to carry the consignment
- P3 check that the vehicle assigned to you is serviceable
- P4 report any vehicle defects to the appropriate personnel
- P5 check that the appropriate emergency equipment is on board the vehicle
- P6 confirm that the consignment corresponds with the transport documents and they are carried in the vehicle
- P7 check that emergency arrangements and Instructions in Writing are carried in the vehicle
- P8 ensure the vehicle is placarded and plated appropriately for the consignment and vehicle
- P9 report any infringements of regulations in accordance with operational and regulatory requirements
- P10 drive in accordance with relevant legislation
- P11 maintain safe driving practices at all times
- P12 maintain a clean and tidy vehicle as far as reasonably practicable
- P13 deal with any problems in accordance with operational and regulatory requirements
- P14 upon delivery, confirm the consignee is able to accept the consignment
- P15 deliver only to the designated delivery point
- P16 use communication channels with all participants effectively
- P17 comply with operational and regulatory requirements at all times

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Knowledge and understanding

You need to know and understand:

- K1 relevant operational and regulatory requirements in relation to transporting radioactive material by road
- K2 the nature of radiation, its hazards and protection measures
- K3 safe working practices
- K4 the basic principles of safe transport of radioactive material
- K5 quality assurance principles and practices
- K6 how to identify vehicle defects and the procedure for reporting them
- K7 the emergency equipment to carry on board the vehicle, and how to use it
- K8 the Radiation Protection Programme
- K9 your role and responsibilities in relation to security
- K10 security requirements that apply to the consignment
- K11 the documents to be carried with the vehicle
- K12 how to check the consignment to be loaded matches the transport documents
- K13 the types of package used for transporting radioactive material
- K14 how to load the vehicle for physical security, using tie downs/restraints as required
- K15 when prescribed, the measures for cleaning and decontamination of vehicle
- K16 the importance of maintaining a clean and tidy vehicle, and how to do so
- K17 the significance of marks, labels and placards and plating
- K18 what type of infringements and problems occur and how to deal with them
- K19 the importance of delivering to the correct delivery address and department
- K20 what to do if a consignment cannot be delivered
- K21 the contingency plans that apply to the consignment and what to do in the event of an emergency

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Additional Information

Glossary

Consignment

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

Operational and regulatory requirements

The organisation's procedures, third party organisations' procedures, local management instructions, operating procedures, Security Plans, guidelines, codes of practice, regulations, legislation, highway code, transport regulations, load restrictions, drivers' hours, working time directive

Organisation

Carrier, sub-contractor, owner/driver, third party organisation

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

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

Principles of safe transport of radioactive material

To protect persons, property and the environment from the effects of radiation by means of:

- 1 containment of the radioactive contents
- 2 control of external radiation levels
- 3 prevention of criticality
- 4 prevention of damage caused by heat

Vehicle

The vehicle you normally drive, including trailer when connected

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Suite Transportation of Radioactive Materials

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