
Overview

This unit is for you if you are a carrier who transports radioactive material, to ensure that your organisation meets the requirements for carrying such material.

The unit deals with the following:

- 1 the responsibilities of the carrier when accepting consignments of radioactive material
- 2 the carriage and delivery of consignments of radioactive material

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 carriers used by any establishment to transport radioactive material, including those involved in medical, research, industrial and nuclear applications, using any mode of transport.

Previous Version:

Not applicable

COGTRM4

Carry consignments of radioactive material

Performance criteria

- You must be able to:*
- P1 ensure that your organisation meets operational and regulatory requirements for carrying radioactive material
 - P2 ensure that the consignment of radioactive material is authorised for carriage in accordance with operational and regulatory requirements
 - P3 confirm that the consignment corresponds with the transport documents and is accompanied by the transport documents
 - P4 ensure that a suitable conveyance is assigned to the journey
 - P5 ensure that the appropriate equipment is on board the conveyance
 - P6 ensure that the conveyance assigned is serviceable
 - P7 ensure that emergency arrangements are in place and are carried with the consignment, and are understood by authorised operators
 - P8 ensure that the consignment is loaded onto the conveyance correctly
 - P9 ensure that the consignment is properly secured with the specified restraints
 - P10 ensure the appropriate use of placards and plating for the conveyance and consignment
 - P11 deal with any infringements of regulations in accordance with operational and regulatory requirements
 - P12 use communication channels with all participants effectively
 - P13 comply with organisational and regulatory requirements at all times

COGTRM4

Carry consignments of radioactive material

Knowledge and understanding

You need to know and understand:

- K1 the nature of radiation, its hazards and protection measures
- K2 the principles of safe transport of radioactive material
- K3 quality assurance principles and practices
- K4 the Radiation Protection Programme
- K5 the roles of Dangerous Goods Safety Adviser and Radiation Protection Advisor
- K6 the operational and regulatory requirements in relation to carrying consignments of radioactive material
- K7 the documents to be carried with the conveyance
- K8 how to check the consignment to be loaded match the transport Documents
- K9 the training required for authorised staff
- K10 the types of package used for transporting radioactive material
- K11 how to load the conveyance for physical security
- K12 when prescribed, the measures for cleaning and decontamination of conveyances
- K13 the significance of marks, labels and placards
- K14 what type of infringements occur and how to deal with them
- K15 the importance of delivering to the correct delivery address and department
- K16 what to do if a consignment cannot be delivered
- K17 the contingency plans that apply to the consignment and how you would participate in them
- K18 security requirements that apply to the consignment
- K19 the importance of insurance provisions

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

Operational and regulatory requirements

The organisation's procedures, local management instructions, operating procedures, guidelines, codes of practice, regulations, legislation

Organisation

Carrier, sub-contractor, owner/driver

Package

The packaging with its radioactive contents as presented for transport

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

COGTRM4

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Suite Transportation of Radioactive Materials

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