

COGTRM5

Load radioactive material onto conveyances



Overview

This unit is for you if you load radioactive material onto conveyances, as part of your job.

The unit deals with the following:

- 1 Preparing to load radioactive material onto conveyances
- 2 Loading radioactive material onto conveyances

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 people who load radioactive material onto conveyances, including that used in medical, research, industrial and nuclear applications, transported by any mode of transport.

Previous Version:

Not applicable

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Performance criteria

You must be able to:

- P1 check that the consignment of radioactive material is authorised for carriage in accordance with operational and regulatory requirements
- P2 use the appropriate personal protective equipment
- P3 ensure that the loading area is suitable and safe
- P4 check packages for damage and deal appropriately with any damaged ones in accordance with operational and regulatory requirements
- P5 carry out any special requirements for loading the radioactive material
- P6 comply with regulatory requirements concerning labelling, plating and placarding
- P7 comply with regulatory requirements concerning segregation and separation
- P8 take appropriate action when there are problems with loading
- P9 load the conveyance in the appropriate way for the type of consignment
- P10 take action to minimise radiation exposure
- P11 secure the consignment with the specified restraints
- P12 use communication channels with all participants effectively
- P13 comply with operational and regulatory requirements at all times

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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 is authorised for carriage in accordance with operational and regulatory requirements
- K4 the appropriate personal protection equipment and how to use it
- K5 the requirements of a safe and suitable loading area
- K6 how to load the consignment
- K7 relevant documentation relating to loading the consignment
- K8 how to recognise and deal with damage to packages
- K9 special requirements that apply to radioactive material when loading
- K10 the regulatory requirements concerning labelling, plating and placarding of radioactive material
- K11 the regulatory requirements concerning segregation and separation of different types of radioactive material and other non-radioactive goods
- K12 operational and regulatory requirements relating to loading conveyances 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

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

Operational and regulatory requirements

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

Special requirements

Segregation from other goods, loading with high radiation packages in the

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middle of vehicle, etc.

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Suite Transportation of Radioactive Materials

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