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### Overview

This unit deals with the following:

- 1 Prepare loads for moving - this covers the competence required to prepare loads for moving. Candidates will be expected to establish the weight of the load to be moved and the most appropriate method to be employed, including selection of suitable equipment to move the load
- 2 Move loads - this covers the competence required to move loads and includes the assessment of loads and the selection of methods and equipment to be used for the move, which is then completed according to specified 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.

### Previous Version:

Adapted from Unit N418 of Nuclear Decommissioning NOS – version October 2005

# COGTRM19

## Prepare and move loads in nuclear installations

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### Performance criteria

- You must be able to:*
- P1 work safely at all times, complying with health and safety and other relevant regulations and guidelines
  - P2 establish the weight of the load to be moved
  - P3 determine the method and select suitable equipment to move the load
  - P4 check that the moving equipment to be used is capable of moving the load safely
  - P5 determine a suitable route for moving the load minimising risk to people and property
  - P6 ensure that the load is secured and protected before moving operations start
  - P7 deal promptly and effectively with problems within your control and report those that cannot be solved
  - P8 position the moving equipment so that the weight of the load is distributed evenly
  - P9 attach the appropriate handling equipment securely to the load, using approved methods to eliminate slippage
  - P10 confirm that the load is secure before moving
  - P11 move the load along the selected, suitable route
  - P12 position and release the load safely in its intended final location

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### Knowledge and understanding

*You need to know and understand:*

- K1 health and safety legislation, regulations and safe working practices and procedures
- K2 the lifting, moving and handling equipment methods and techniques
- K3 how to estimate the weight of loads
- K4 slinging and lifting methods and techniques
- K5 lifting equipment care and control procedures
- K6 the methods and techniques of moving loads
- K7 lifting, moving and handling equipment used when moving loads
- K8 load safety assessment methods and techniques
- K9 route planning methods and techniques
- K10 handling equipment operating and care control procedures
- K11 manual handling assessments if appropriate
- K12 reporting lines and procedures

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### Additional Information

#### Glossary

The following terms have a specific meaning in this unit:

##### **Load**

The equipment, materials and waste generated through the decontamination and dismantling activities associated with the decommissioning of a nuclear facility. The loads typically have an even weight distribution and/or have simple to access lifting points

##### **Moving method**

- 1 Manual handling
- 2 Manually controlled
- 3 Automated

##### **Moving equipment**

- 1 Equipment associated with safe manual handling techniques including pallet trucks, wire rope pullers and chain blocks
- 2 Equipment associated with manually operated techniques including trolleys, winches and hoists, slings, ropes and wire ropes
- 3 Equipment associated with automated techniques including hydraulic lifting gear and hoists

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**Suite** Transportation of Radioactive Materials

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**Key words** prepare, move, loads, methods, weights, selection, equipment

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