

## Overview

This standard covers the competences you need to control the transfer of bulk liquid products

You will be required to demonstrate that you can control and transfer the product, connecting and disconnecting the transfer system in accordance with authorised procedures.

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

The activity is likely to be undertaken by someone in petrochemical work setting, including individuals working in refineries, chemical plants and tank storage.

## Performance criteria

*You must be able to:*

- P1 confirm appropriate authority to proceed
- P2 ensure that transfer pipeline system is correctly set up
- P3 correctly carry out control actions
- P4 effectively maintain the product flow rate and nature of the product throughout the movement
- P5 confirm that the required quantities have been received
- P6 use safe lifting and moving techniques
- P7 select hoses which are fit for purpose
- P8 correctly make all connections
- P9 make all necessary checks before disconnection
- P10 safely and promptly relieve excess pressure
- P11 ensure that flanges are correctly isolated and or blanked off as appropriate
- P12 communicate all relevant information to the appropriate people
- P13 work safely in accordance with operational requirements

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## Knowledge and understanding

*You need to know and understand:*

K1 how to select, use and care for PPE

K2 the implications of statutory

K3 how to interpret operational requirements

K4 the principles of product movement control

K5 how to maintain product flow rate taking account of the nature of the product

K6 how to identify and resolve irregularities

K7 safe lifting and moving techniques

K8 how to make connections

K9 how to ensure that lines and hoses are clear of product and valves at each end of the linkage are shut before connection and disconnection

K10 the information to communicate and to whom

K11 current health, safety and environmental regulations and working practices relevant to the job role

## Scope/range

Carry out all of the following during preparing pipelines and hoses within bulk liquid operations

Equipment:

- Hoses
- Portable pumps
- Portable valves
- Filters

Infrastructure:

- Tanks
- Pipework
- Pumps
- Valves
- Gauges
- Buildings

Personal Protective Equipment (PPE):

- Sight protection
- Overalls
- Hearing protection
- Gloves
- Hard Hat
- Footwear
- Respirators
- High visibility clothing

Statutory Regulations:

- Health and Safety at Work Act (HASAWA)
- Control of Substances Hazardous to Health (COSHH)

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- Other regulations and working practices relating to the job role and product characteristics

Organisational Requirements:

- Policies
- Procedures
- Instructions
- Codes of practice
- Standards
- Schedules

Inspection:

- Routine
- Observed problems
- Distress
- Damage
- Poor functionality

Signs of distress and damage and poor functioning:

- Physical damage
- Corrosion
- Leakage
- Joint distortion
- Out of date certification

Appropriate authority:

- Location
- Extent
- Possible causes

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Storage conditions:

- Excess water

Cleaning:

- Filters
- Isolating
- Disconnecting
- Disassembling

Communication:

- Written
- Verbal
- Electronic

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