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## Overview

This standard identifies the competencies you need to monitor and maintain equipment and infrastructure within hydrogen product storage.

You will be required to demonstrate that you can use fault-finding, troubleshooting techniques, maintaining the infrastructure of the hydrogen tanks and equipment, reporting any faults or non-conformities in line with organisational and legal requirements.

This could include individuals working in the following industries, Chemical, Petro-Chemicals, Storage and Energy production.

Please Note:

This Standard now covers large and small-scale storage of Hydrogen Products.

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## Performance criteria

### *You must be able to:*

- P1. inspect equipment and plant in line with organisational and legal requirements
- P2. report any defects or non-conformity in line with organisational and legal requirements
- P3. perform fault-finding and troubleshooting techniques for problems encountered during storage operations in line with organisational requirements
- P4. take appropriate action to restore storage equipment to standard operating conditions in line with organisational requirements
- P5. clean storage tanks in line with organisational requirements
- P6. inspect all maintenance work for quality and conformance in line with organisational and legal requirements
- P7. complete documentation associated with maintenance work in line with organisational and legal requirements
- P8. consult the relevant person to ensure work is prioritised and sequenced for completion within organisational timeframes
- P9. communicate with all personnel affected by the maintenance activity, notifying them that the work is complete in line with organisational requirements

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## Knowledge and understanding

### *You need to know and understand:*

- K1. the operation of testing and inspection equipment, checking for corrosion, filter checks, differential pressure, gas leak, meter checks, pressure, temperature, and visual inspection of relief vents, piping and associated fitting
- K2. types of defects or non-conformity for hydrogen storage equipment
- K3. how to perform fault-finding and troubleshooting procedures for hydrogen storage operations to meet organisational requirements
- K4. how to isolate, depressurise, purge, and decommission equipment for maintenance and repair in line with organisational requirements
- K5. how to recommission, repressurise, and purge equipment
- K6. how to select the appropriate cleaning agents and techniques for storage equipment to meet organisational requirements
- K7. how to inspect maintenance work for quality and conformance in line with organisational and legal requirements
- K8. how to fill out the documentation to meet organisational and legal requirements
- K9. how to communicate information to the appropriate stakeholders affected by the maintenance activity to meet organisational requirements

COGHS003

Monitor and maintain equipment and infrastructure within hydrogen product storage



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