

## COGFPSO30

Contribute to the monitoring and operational activities for cargo offloading operations with shuttle tanker



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### Overview

This unit is concerned with ensuring that a safe and efficient contribution is made by the FPSO/FSU Deck Operator to the monitoring/operational requirements for Cargo Offloading operations.

This unit deals with the following:

- 1 Monitor and operate cargo offloading operations

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

### Previous Version:

Unit MDO30 National Occupational Standards in FPSO/FSU – April 2005

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#### Performance criteria

- You must be able to:*
- P1 report on cargo offloading operations and carry out offloading checks as required
  - P2 update impact of weather conditions on operations as appropriate
  - P3 monitor operations for potentially abnormal situations, report and respond to them as appropriate
  - P4 maintain communications with Shuttle Tanker, Supervisor and Operators as required
  - P5 contribute to ongoing log details

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### Knowledge and understanding

*You need to know and understand:*

- K1 the reporting procedures for cargo offloading operations
- K2 how to update operations to take into account impact of weather conditions (e.g. heavy weather, adverse weather, normal weather)
- K3 how to report and respond to abnormal situations
- K4 requirements for contributing to the relevant log details
- K5 layout of tanks, pipelines, gauges and valves for discharging operations
- K6 information sources for cargo offloading operations
- K7 the FPSO/FSU telemetry system
- K8 how to select, use and care for PPE (to include sight/hearing, protection, gloves, footwear, hard hats, respirators)
- K9 the implications of statutory (e.g. HASAWA and COSHH) and organisational requirements
- K10 how to interpret operational requirements (e.g. relevant policies, procedures, instructions, codes of practice, standards, schedules) to include station bill and emergency procedures
- K11 how to locate and identify associated process equipment using P + ID's and Process Flow Diagrams as appropriate
- K12 the layout/function/operation of: process flows, ballast system, cargo system, crude oil washing, inert gas system, crude off-loading and metering, FPSO/FSU mooring system, instrument and plant air, vessel cooling water, diesel system, hydraulic system, fire and gas system, using P + ID's and Process Flow Diagrams as appropriate
- K13 how to manually initiate the deluge systems, the various fire suppression systems and fixed and portable fire fighting systems
- K14 the geography of the installation
- K15 the safety measures that need to be put in place and all the safety practices/procedures which must be adhered to
- K16 how to effectively establish and maintain effective fixed/mobile communications between the relevant internal/external personnel
- K17 how to carry out effective handovers between shifts and maintain continuity
- K18 the procedures necessary to carry out effective trouble shooting
- K19 the location, function and operation of ESD systems using P & ID's as appropriate
- K20 the location of process high pressures, high temperatures and the relevant safety measures
- K21 the permit to work system
- K22 the emergency procedures relevant to the cargo handling system
- K23 the emergency procedures relevant to the ballast control system
- K24 the emergency procedures relevant to shuttle tanker operations

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**Status** Original

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**Originating organisation** Cogent

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**Original URN** FPSO30

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**Relevant occupations** Engineering and manufacturing technologies; Engineering; Process, Plant and Machine Operatives; Plant and Machine Operatives

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**Suite** Floating Production & Storage Offload (FPSO)

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**Key words** cargo offloading, operations, deck operator, safe, efficient, monitor