
Overview

This unit is concerned with ensuring that a safe and efficient contribution is made by the FPSO/FSU Deck Operator to the start up of Cargo Transfer operations for the following Cargo Handling and Ballast Control system operations:

- 1 processing (to include temperature control)
- 2 offloading/metering
- 3 storage
- 4 isolated
- 5 offloading station
- 6 shuttle connection

This unit deals with the following:

- 1 Start up the cargo transfer

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 MDO25 National Occupational Standards in FPSO/FSU – April 2005

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Contribute to start up of the cargo transfer

Performance criteria

You must be able to:

- P1 contribute to start up of cargo transfer operations
- P2 commence initial cargo transfer
- P3 verify and report cargo transfer status
- P4 report full cargo transfer operations
- P5 monitor operations for potential abnormal situations, report and respond to them as appropriate
- P6 maintain communications with Control Room
- P7 ensure and confirm steady state condition
- P8 contribute to ongoing log details

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Knowledge and understanding

You need to know and understand:

- K1 the contributions required for cargo transfer operations
- K2 how to start initial cargo transfer
- K3 how to verify and report cargo transfer status (to include processing with temperature control, metering, storage, isolated tanks)
- K4 the procedures necessary to effectively monitor operations for potentially abnormal situations
- K5 how to safely and effectively report and respond to abnormal situations
- K6 how to ensure and confirm steady state conditions
- K7 how to contribute to and report relevant log details
- 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 positive reporting of designated actions, assigned tasks, safety measures and checks ensuring reports are clear, accurate and complete
- K18 how to carry out effective handovers between shifts and maintain continuity
- K19 the procedures necessary to carry out effective trouble shooting
- K20 the location, function and operation of ESD systems using P & ID's as appropriate
- K21 the location of process high pressures, high temperatures and the relevant safety measures
- K22 the permit to work system

COGFPSO25

Contribute to start up of the cargo transfer

- K23 the emergency procedures relevant to the cargo handling system
- K24 the emergency procedures relevant to the ballast control system

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Suite Floating Production & Storage Offload (FPSO)

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