

COGFPSO26

Contribute to the monitoring and operation of the cargo handling and ballast control operations



Overview

This unit is concerned with ensuring that a safe and efficient contribution is made by the FPSO/FSU Deck Operator to the monitoring and operation of 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 Monitor and operate cargo handling and ballast 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 MDO26 National Occupational Standards in FPSO/FSU – April 2005

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Performance criteria

You must be able to:

- P1 monitor steady state cargo handling and ballast operations
- P2 update impact of weather conditions on operations
- P3 monitor operations for potential abnormal situations, report and respond to them as appropriate
- P4 maintain communications with Supervisor and Operators
- P5 contribute to ongoing log details

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Knowledge and understanding

You need to know and understand:

- K1 the factors which affect cargo handling and ballast operations and how to safely and effectively manage them
- K2 how to monitor steady state cargo handling and ballast operations
- K3 how to update operations to take into account impact of weather conditions (e.g. heavy weather, adverse weather, normal weather)
- K4 how to effectively monitor operations (to include processing with temperatures control, metering, storage, isolated tanks) for potential abnormal situations
- K5 how to safely and effectively report and respond to abnormal situations
- K6 how to contribute to and report relevant log details
- K7 how to select, use and care for PPE (to include sight/hearing, protection, gloves, footwear, hard hats, respirators)
- K8 the implications of statutory (e.g. HASAWA and COSHH) and organisational requirements
- K9 how to interpret operational requirements (e.g. relevant policies, procedures, instructions, codes of practice, standards, schedules) to include station bill and emergency procedures
- K10 how to locate and identify associated process equipment using P + ID's and Process Flow Diagrams as appropriate
- K11 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
- K12 how to manually initiate the deluge systems, the various fire suppression systems and fixed and portable fire fighting systems
- K13 the geography of the installation
- K14 the safety measures that need to be put in place and all the safety practices/procedures which must be adhered to
- K15 how to effectively establish and maintain effective fixed/mobile communications between the relevant internal/external personnel
- K16 how to carry out positive reporting of designated actions, assigned tasks, safety measures and checks ensuring reports are clear, accurate and complete
- 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

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- 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

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Suite Floating Production & Storage Offload (FPSO)

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