

COGFPSO20

Contribute to start up of marine and storage systems



Overview

This unit is concerned with ensuring that a safe and efficient contribution to the start up of the Marine and Storage systems, as defined by your organisation, is made by the FPSO/FSU Deck Operator for the following Marine Operations:

- 1 cargo handling
- 2 ballast handling
- 3 processing
- 4 offloading
- 5 storage operations
- 6 controlled space entry

This unit deals with the following:

- 1 Contribute to start up of marine and storage systems

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 MDO20 National Occupational Standards in FPSO/FSU – April 2005

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Performance criteria

- You must be able to:*
- P1 contribute to start up system operation
 - P2 confirm controlled space routines
 - P3 carry out start up sequence prompts and report on them
 - P4 monitor, control and report start up progress
 - P5 report abnormal situations and respond to them as appropriate
 - P6 maintain effective communications with relevant personnel
 - P7 reset field panel alarms and report
 - P8 complete all relevant log details

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Knowledge and understanding

You need to know and understand:

- K1 how to operate the systems (to include cargo handling, ballast handling, crude oil washing, hot water washing)
- K2 the controlled space routines (to include restricted space (e.g. machinery space), enclosed space (e.g. Ballast Tank))
- K3 the procedures to carry out the start up sequence prompts
- K4 the controlling parameters relevant to the process
- K5 how to safely and effectively monitor and control the start up process
- K6 how to maintain effective internal communications with relevant personnel (e.g. supervisor, control room operators, process operators)
- K7 the procedures for resetting Field panel alarms and reporting
- K8 how to clearly and accurately complete the relevant log details
- K9 how to select, use and care for PPE (to include sight/hearing, protection, gloves, footwear, hard hats, respirators)
- K10 the implications of statutory (e.g. HASAWA and COSHH) and organisational requirements
- K11 how to interpret operational requirements (e.g. relevant policies, procedures, instructions, codes of practice, standards and schedules)
- K12 how to locate and identify associated process equipment using P + ID's and Process Flow Diagrams as appropriate
- K13 the structure/function/operation of: process flows, ballast system, cargo system, crude oil washing, inert gas system, cargo heating system, cargo metering, cargo offloading system, mooring system, bunkering systems – polymers potable water, lube oil diesel, instrument and plant air, vessel cooling water, diesel system, hydraulic system using P + IDs and Process Flow Diagrams as appropriate
- 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 maintain communications between all operators patrolling the plant and the Control Room
- 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
- 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 marine and storage systems

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