

# COGFPSO5

## Perform shutdown activities for marine operations



---

### Overview

This unit is concerned with the safe and efficient shutdown of the Marine systems, as defined by your organisation, and the evaluation of the operational pre-planning after the following Marine Operations are carried out by the FPSO/FSU Control Room:

- 1 cargo handling
- 2 ballast handling
- 3 bilges
- 4 offload station
- 5 bunker station
- 6 controlled space entry
- 7 restricted space entry
- 8 enclosed space entry

This unit deals with the following:

- 1 Shutdown marine 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 MOT5 National Occupational Standards in FPSO/FSU – April 2005

# COGFPSO5

## Perform shutdown activities for marine operations

---

### Performance criteria

- You must be able to:*
- P1 respond to system and status shutdown requirements and implement the necessary back up actions
  - P2 maintain effective communications with the relevant internal/external personnel
  - P3 monitor and control the shutdown to ensure satisfactory progress
  - P4 confirm shutdown status and communicate information to relevant personnel
  - P5 evaluate operational pre-planning and update as necessary
  - P6 complete the log keeping records

# COGFPSO5

## Perform shutdown activities for marine operations

---

### Knowledge and understanding

*You need to know and understand:*

- K1 the responses and back up actions necessary for system and status shutdown requirements (e.g. navigation systems, marine systems, safety systems, utilities systems) as appropriate
- K2 how to effectively monitor and control the shutdown procedures from relevant location (e.g. offloading station, bunker station)
- K3 how to confirm shutdown status and communicate this to relevant personnel
- K4 the procedures used to evaluate operational pre-planning and how to update this information
- K5 how to complete, clearly and accurately, the log keeping records
- K6 how to select, use and care for PPE (to include sight/hearing protection, gloves, footwear, hard hats, respirators)
- K7 the implications of statutory (e.g. HASAWA and COSHH) and organisational requirements
- K8 how to interpret operational requirements (e.g. relevant policies, procedures, instructions, codes of practice, standards and schedules)
- K9 the safety measures that need to be put in place and all the safety practices/procedures that need to be adhered to
- K10 how to locate and identify all control room equipment using P + ID's as appropriate
- K11 how to carry out effective shift handovers and maintain continuity
- K12 how to carry out positive reporting of instructional actions, tasks, safety measures and checks, ensuring they are clear, accurate and complete
- K13 the layout of appropriate working areas (e.g. control room, control stations)
- K14 the structure/function/operation of: process flows, ballast system, cargo system, crude oil washing, inert gas system, cargo heating system, FPSO/FSU mooring system, bunkering systems (e.g. polymers, potable water, lube oil, diesel), instrument and plant air, vessel cooling water, diesel system and hydraulic system using P + ID's and Process Flow Diagrams as appropriate
- K15 the location of process high pressures, high temperatures and the relevant safety measures
- K16 the procedures necessary to carry out effective trouble shooting
- K17 the location, function and operation of ESD systems using P & ID's as appropriate
- K18 how to establish/maintain effective fixed/mobile communications with relevant internal/external personnel (e.g. supervisor, other operators, supply vessels)
- K19 how to carry out positive reporting of instructional actions, tasks, safety measures and checks ensuring reports are clear, accurate and complete

# COGFPSO5

## Perform shutdown activities for marine operations

---

K20 the permit to work system

K21 the emergency procedures relevant to the marine systems

# COGFPSO5

## Perform shutdown activities for marine operations

---

**Developed by** Cogent

---

**Version number** 1

---

**Date approved** June 2009

---

**Indicative review date** June 2011

---

**Validity** Current

---

**Status** Original

---

**Originating organisation** Cogent

---

**Original URN** FPSO5

---

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

---

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

---

**Key words** safe, efficient, shutdown, marine systems, control room, operational, planning