



Hudson Trident

OFFSHORE SUPPLY VESSEL MANUOVERING COURSE



Hudson Trident

Maritime Training Center

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General

The *Offshore Supply Vessel Manoeuvring* course provides the required manoeuvring and OSV handling knowledge and skills for Deck Officers on board Offshore Supply Vessels. The course prepares deck officers to meet the training requirements of STCW 2010 Section B/V(e).

Aims and Objectives

To enhance safety on Offshore Supply Vessels and give a thorough understanding of safety during operations onboard supply vessels, anchor handling, supply and cable laying operations.

Upon completion, the participants will be able to demonstrate knowledge of:

- Permit to work system
- Planning and risk assessment during anchor handling operations according to procedures.
- Job safety analysis
- Correct, safe use of Shark Jaws
- Work safety and how to work efficiently onboard the vessels
- The design, scope of work and especially of the safety aspects related to offshore support vessels, including anchor handling, cargo handling and cable-laying vessels
- Offshore support vessels, design and scope of work
- Handling and inspecting wires, chains and related equipment properly
- How to practice safety when working with Shark Jaws

Course Description

This course is intended to meet statutory and industry requirements for personnel involved in handling Offshore Supply Vessels. The course provides the delegates with theoretical guidance and hands on practical experience in handling specific OSVs in a variety of conditions using a Full Mission OSV Simulator.

Course Content

Students completing this course will assimilate theoretical knowledge and gain practical skills to support their on board training to manoeuvre Offshore Supply Vessels safely and close to MOU, FPSO and other offshore installations.

Amongst others, the course will cover the following areas:

- Review of ship handling theory, including application of the pivot point.
- Planning approaches to offshore facilities.
- Risk assessment and planning for entering the 500m safety zone.
- Machinery and power requirements in various situations/operations.
- Joystick manoeuvring and change-over procedures.
- Causal factors in previous OSV manoeuvring incidents/accidents.
- Conduct of after action review of simulation cases/feedback.
- Understanding basic knowledge in vessel layout and equipment
- Types of cargo and cargo systems
- Effective usage of anchor-handling equipment
- Lifting techniques when handling heavy equipment
- Safety when working with cables
- Safe practices when using Shark Jaws



- Setting up and maintaining Radar displays.
- Factors affecting performance and accuracy of Radar.
- Time and distance of the closest approach to crossing, meeting or overtaking ships.
- Possible risks of over-reliance on ARPA.
- Principal types of the ARPA systems and their display characteristics.
- True and relative vectors and typical graphic representation of target information and danger areas using ARPA.
- Application of the International Regulations for Preventing Collisions at Sea.

Participants will undertake manoeuvring operations in the simulator using conventional and azimuth drive propulsion systems, as well as tunnel thrusters and azimuth thrusters.

Training Methods

The course shall be a blend of interactive classroom instruction and discussion followed by realistic practical exercises in a Full Mission OSV Simulator.

Course Duration

5 days

Target Audience

The course is designed for Deck Cadets, Deck officers and crew new to the offshore industry and unfamiliar with the manoeuvring characteristics of Offshore Supply Vessels.

Entry Requirements

- Participants to hold, or be undertaking training towards, a minimum of Deck Watchkeeper certificate, or equivalent.
- The course is designed for participants with limited knowledge of offshore support vessel operations.
- Participants may benefit from having some previous offshore experience.

Training Equipment

HTTC uses the state-of-the-art NAVI TRAINER PRO-5000 Full Mission OSV Simulator, a realistic high quality training simulator for OSV activities and navigation with the different vessels in a fleet. The system is an innovative high performance concept designed for training of teams involved in transferring and supply of anchored mobile offshore units. The simulator is built on the Transas NTPRO simulator platform and the Dynamic Positioning (DP) is set to OSV 11 with engine design power 2 X 3500 and Thrusters rated at 1X883; 1 X 1120 drop down/1X883 and 2 Azimuth FPP propellers. The Transas DP Simulator meets and exceeds the requirements of both Nautical Institute and DNV SeaSkill schemes for Dynamic Positioning Operator (DPO) certification.

Training Location

The simulator training will be conducted at the Hudson Trident Training Center (HTTC) located at No 6, Shaffi Sule Street, Lekki Phase 1, Lagos State, Nigeria.