



Hudson Trident

PASSAGE PLANNING AND PILOTAGE COURSE



Hudson Trident

Maritime Training Center

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General

The Passage Planning and Pilotage Simulator (PPPS) Course is a bespoke course designed for intending and qualified seafarers. The course provides the basic underpinning passage planning and marine pilotage operations knowledge and skill for participants in accordance with the National Occupational Standards for Marine Pilotage. The course is open to interested deck cadets and officers who desire a career in marine pilotage operations.

Aims and Objectives

The aim of the PPPS Course is to provide delegates, with little or no previous onboard experience, with the theoretical knowledge and skills required of a marine pilot.

The key objectives are:

- Acquiring relevant data to facilitate the act of pilotage
- Preparing the port pilotage plan
- Re-assessing the plan and modifying as necessary
- Understanding the use of anchors
- Understanding GPS limitations in pilotage
- Identifying the significance of meteorological trends
- Understanding the supervision of mooring operations
- Understanding the basic principles of ship handling
- Understanding the principles of coastal navigation
- Understanding position and position line
- Understanding the automatic pilot systems

Course Description

The course is a twelve week simulator based training with various classes of pilotage operations.

Course Content

Amongst others, students completing PPPS Course will gain additional theoretical knowledge about the ship pilotage as well as practical skills on the requirement for tug assistance during operations. The PPPS training will cover the following key areas:

- Planning an act of pilotage
- Embarking and disembarking
- Assessing standards on the piloted vessel
- Co-operating with the bridge team and functioning within it
- Liaising and communicating within the port
- Transiting the pilotage district
- Manoeuvring vessels in harbours and their approaches
- Reacting and responding to problems and emergency situations
- Managing personal and professional conduct and development

Course Duration

5 days

Training Methods

The course shall be a blend of interactive classroom instructions and discussion followed by realistic practical exercises using the Simulators.

Target Audience

The course is designed for existing pilots who desire to improve their pilotage skills and deck officers, cadets and ratings who desire a career in marine pilotage operations.

Entry Requirements

- National Diploma/Higher National Diploma in Nautical Science.
- Officer of the Watch (Deck) Certificate of Competence.
- Ratings (Deck) with not less than 12 months of sea time.

Training Equipment

HTTC uses two bridges - Our full mission ship simulator and tug simulator, to simulate passage planning and pilotage. Our state-of-the-art NAVI TRAINER PRO-5000 Full Mission Ship Simulator (FMSS) manufactured by TRANSAS, has a fully equipped bridge, including instruments showing course, speed, rudder angle, rate of turn, engine PRM and propeller pitch, wind direction and speed. The Full-Mission Bridge Simulator incorporates the latest technology and the most up-to-date features. The system features an innovative high performance concept compliant with DNV requirements. The simulator is capable of simulating general cargo vessels, container vessels, liquid bulk vessels and Ro-Ro vessels in different sizes and configurations.

HTTC also has an advanced and realistic Tug simulator using the latest NT PRO 5000 software. The simulator is capable of simulating various tugs including Azimuth Stern Drive (ASD) Tug, Conventional Tug, Tractor Tug and Single Screw Tug, in various configurations and types. The simulator has independent Combi-Levers and winch controls and the models generate realistic responses to the use of engine and rudder under various conditions. The simulator has a visual system capable of handling a number of ships in addition to landmasses. The simulator generates realistic radar signals and echo soundings and also simulates a number of navigational instruments (GPS) providing alternative means of fixing position.

Training Location

The course will be conducted at the Hudson Trident Training Center (HTTC) located at No 6, Shaffi Sule Street, Off Akin Leigh Crescent, Off Admiralty Way, Lekki Phase 1, Lagos State, Nigeria.