



Hudson Trident

TUG HANDLING COURSE BROCHURE



Hudson Trident

Maritime Training Center

6, Shaffi Sule Street, Off Akin Leigh Crescent,
Off Admiralty Way, Lekki Phase 1,
Lagos, Nigeria.

Tel: +234-1-213-6258, +234-809-580-7029

Email: training@catamarannng.com

Website: www.catamarannng.com



General

The *Tug Handling Course* is designed to improve tug-handling and manoeuvring skills for professional mariners. Tug boats are very powerful, so operating one requires a high level of skill, as well as thorough knowledge of the Port environment in which they are operating.

Aim and Objectives

To enhance the safe operation of an ASD Tug by increasing the Tug Masters knowledge of ASD ship handling and safely manoeuvring of ASD tugs during various port and offshore operations. A trainee successfully completing this course will be able to react in a correct manner during mooring operation in congested waters and difficult weather conditions, passing through channels and fairways taking into account the influence of external factors, mooring operations in ports and on high seas, anchoring and weighing anchor, use of thrusters, use of tugs, etc.

Course Description

This course is intended to meet statutory and industry requirements for personnel involved in tug operations. The course provides the delegates with theoretical guidance and hands on practical experience in handling specific ships in a variety of conditions using a Full Mission Tug Handling Simulator.

- Lectures will provide the necessary theoretical background for the practical exercises. Particular items dealt with will be illustrated either by including them as part of a classroom exercise or by separate simulator demonstration.
- The exercises increase in complexity as trainees become familiar with the manoeuvring characteristics of the tug model and its response to the engine and helm in various conditions.
- Trainees are expected to make use of effective bridge procedures, to comply with COLREG 1972 and to observe principles of keeping a navigational watch as set out in STCW 95, regulation VIII/2, section A-VIII/2, B-VIII/2 and B-I/12.

Course Content

Amongst others, the following topics will be taught during the course:

- Principles of ASD/ATD-Drive Tug Manoeuvring
- Manoeuvring the tug across the Ship's Wake
- Safe and efficient manoeuvring
- Manoeuvring around the Ship's Transom and Quarter
- Manoeuvring around the Ship's Shoulder
- Working a towline and responding to pilot orders
- Emergency response Manoeuvre; Loosing a downstream Engine when made fast
- Pressure Zones
- Standing Off & Repositioning
- Manoeuvring characteristics in deep water
- Forming a Wedge
- Manoeuvring onto the ships shoulder making fast and dropping back alongside
- Flip-out maneuver to get off the ships side when stuck
- Squaring up and push & pull operation on the shoulder-Ship stopped
- Acting as brake to slow or stop a ship
- Working a long line while ship is underway at 3knots
- Recovering the tugs towline from the Ship's Bow
- Recovering the tugs towline from the Ship's Counter

6, SHAFFI SULE, OFF AKIN-LEIGH CRESCENT, LEKKI PHASE 1, LAGOS STATE, NIGERIA

Tel: +234-1-213-6258, +234-809-580-7029 Email: training@catamaranng.com



Training Methods

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

Course Duration

5 days

Target Audience

- Crewing agencies - to determine the level of competence of delivery captains for ASD/ATD tugboats
- Ship owners - to determine the level of competence of new tugboat captains
- Ship owners to determine the need for training of their personnel
- Individuals interested in their own level of competence

Entry Requirements

- This course is primarily for experienced workboat officers that have little or no experience with ASD Drives.
- Knowledge of English (speak, read & write) including maritime terminology.
- Sea going experience and Basic ASD Ship Handling experience.

STCW Requirement

The Ship Handling course satisfies the following STCW as amended and CFR training requirements:

- STCW Code Table A-II/2.
- Document 100 in this Master Manual: Scope & Objectives.
- Document 102 in this Master Manual: Target Analysis Form.

Assessment Method

Delegates shall undergo a pre course assessment at the beginning of the course. Performance shall be assessed during the practical simulator based exercises using defined performance criteria. A final knowledge assessment shall be conducted at the end of the course.

Training Equipment

HTTC has one of the most advanced and realistic ASD tug simulators. The simulator has 180° full mission TugSim + 220° full mission bridge ShipSim (that can be operated as a TugSim when required) + TugSim sub-station with independent Combi-Levers and winch controls. All simulators can be interfaced to run together. The Tug Simulator has 360° vision via 44" LED screens and 50" computers to run the advanced software, 3D & 2D interchangeable vision, latest in Rolls Royce combi controls and electronics, ASD/ATD/CTS/VSP controls, genuine hardware winch controls, 3 fully functional tug substations, 3 tug masters can drive 3 tugs at the same time while interfacing with the same exercise. 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, LORAN-C and DECCA) providing alternative means of fixing position.

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.

6, SHAFFI SULE, OFF AKIN-LEIGH CRESCENT, LEKKI PHASE 1, LAGOS STATE, NIGERIA

Tel: +234-1-213-6258, +234-809-580-7029 Email: training@catamaranng.com