



## **COURSE DETAILS**

### **DYNAMIC POSITIONING SIMULATOR COURSE**

**COURSE CODE:** DP Sim

**CERTIFICATION (APPROVALS):** Nautical Institute

#### **COURSE OVERVIEW AND PURPOSE**

This course is intended for those who have completed the Induction course and a minimum of 60 days DP sea time. These officers should already have a good grounding in the practice and principles of dynamic positioning through their experiences in class and at sea.

The DP Simulator course is intended to build on that experience, and to provide some realistic DP-based scenario work, in accordance with the requirements of Phase C of the DP Offshore Training Scheme set up by Nautical Institute.

The Nautical Institute has established the DP Offshore Training scheme fulfilling the standards in view of the IMO resolution to include DP training within Part B of the STCW Code & Convention and follows the rules developed by all key stakeholders by working through the Dynamic Positioning Training Executive Group (DPTEG) and its Regional Training Provider (RTP) groups.

#### **COURSE AIMS**

At the end of the course the student should be able to:

- Carry out operational planning, risk assessment and hazard identification tasks.
- Set up the DP system for a particular task.
- Operate the communications.
- Analyse the trends.
- Discuss systems failures.
- Decide on courses of action because of systems failures.
- React to alarms and printer readout.
- Initiate DP Alert status alarms.



- React to all events occurring.
- Operate the desk under normal and pressured conditions.
- Practice effective teamwork.
- Apply the lessons learned to date.
- ASOGs

## **COURSE OBJECTIVES**

The following is a list of the objectives which should be attained by trainee DPOs by the completion of the Simulator course.

- Operation of a DP system
- DP Operation
- Emergency procedures

## **COURSE COMPETENCY**

Starting with tuition for DPO, the participant accepts all requirements faced for obtaining a DP certificate. In this stage – Phase C of the Offshore Training Scheme the participant has to pass a set-up practical assessment, a formative assessment and an online exam.

On successful completion of the Simulator course, the DP Set-up practical assessment and the online assessment, the trainee Dynamic Positioning Operator will receive a course completion certificate and may return to sea to accumulate the sea time required for Phase D of the training program.

**Note:** The course certificate will be issued to the participants who successfully complete the course and this will be documented in the DP log book.

## **PREREQUISITES**

- Passport
- DP Induction course certificate
- 60 days DP sea time documented in the NI DP logbook.
- Company confirmation letter for DP sea time.
- All tasks in the task section of the logbook (Phase B) completed.



## **RATIO OF STUDENTS/INSTRUCTORS/EQUIPMENT**

The ratio for the Simulator course is:

One instructor for four students and four DP consoles

## **NUMBER OF HOURS**

The course will require a minimum of 28 hours, additional time for running exams will be added on top of this 28 hours.

Being the Simulator course predominantly practical, the distribution of the training is divided as follows:

Theoretical hours: 6                  Practical hours: 22                  Total hours: 28

## **STATEMENT OF THE TRAINING METHODOLOGY**

The training will be predominantly practical/operational in nature. Exercises and case studies will be carried out in a facility that meets the provisions set out in the NI DP Simulator specifications.

In addition to exercise briefing/debriefing, students will be given an opportunity to give feedback on their training needs during classroom tuition.

The scenarios should provide the opportunity to practise all aspects of the planning and conduct of typical DP operations, including the handling of emergencies. Particular emphasis should be placed upon teamwork within the role-play scenarios.

DP scenarios will closely match the situation onboard a vessel. Communications form an important part of any DP situation; thus they will be adequately simulated in the training facility, with several different means of communication between the instructor station and the DPO/trainee facility.

The training establishment will provide materials to support the hardware simulator facility.

The scenarios will be run on our latest Transas 5000 simulator with Anchor Handling capabilities and different DP desk setups including Rolls Royce Icon and Navis 4000 systems. The simulator is divided into three separate bridges and can be operated both independently and simultaneously. We have access for different virtual models of DP vessels and multiple target ships and platforms.

The course documentation is written in English and the courses will be conducted in English unless otherwise agreed upon.



## **EXPLANATION OF THE ASSESSMENT SYSTEM**

The DP Simulator Course has a three-part assessment process. Two parts of this process are standard assessments, which include the DP Set-up Practical Assessment and an online multiple choice assessment. The third part of the assessment process is the feedback given to students throughout the course, most often based on their performance on simulator exercises. This is accomplished through formative assessment processes.

The **DP Set-up Practical assessment** will be accomplished as the course progresses. Each candidate is required to demonstrate their competence to perform the tasks listed in the DP Set-up Practical Assessment Skills Table. The Control Sheet establishes the conditions under which the practical assessment occurs and the criteria against which the student's performance will be measured. The DP Set-up Practical Assessment may not be retaken; it must be passed on the first attempt. If it is not passed on the first attempt, then the Simulator Course will need to be repeated.

The **online assessment** will be accomplished at the end of the course. It consists of 30 multiple-choice questions, where the minimum score to pass is 70%, and shall be completed in 1 hour. Students who fail the first attempt are allowed to have another two attempts within six months of the first attempt; however, the second attempt must be undertaken within 96 hours of the first attempt. Failing these three initial attempts, the student is required to repeat the Simulator Course and undertake the assessment again.

**Formative assessment** emphasises the importance of ongoing feedback between the instructors and students and the adaptation of teaching plans to the observed strengths/weaknesses of the students. The feedback provided will help students to identify specific areas that they must focus on when they return to a vessel to gain the 60 days DP sea time required in Phase D of the training scheme.