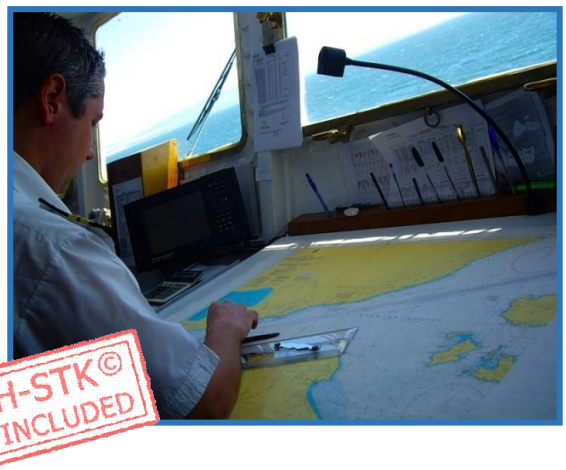
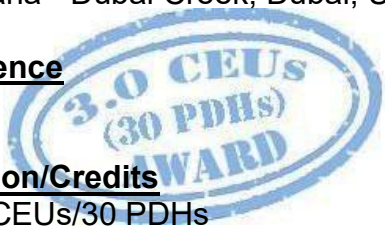
COURSE OVERVIEW OE0077
Fundamentals of Coastal Navigation, Rule of the Road and Chart Work

Course Title
Fundamentals of Coastal Navigation, Rule of the Road and Chart Work



Course Date/Venue
January 04-08, 2026/Markab Meeting Room, Al Bandar Rotana - Dubai Creek, Dubai, UAE

Course Reference
OE0077



Course Duration/Credits
Five days/3.0 CEUs/30 PDHs

Course Description

This practical and highly-interactive course includes various practical sessions and exercises. Practical sessions will be performed using our equipment in order to apply the theory learnt in the class.

This course is designed to provide participants with a fundamental overview of . It covers the principles and importance of coastal navigation; the types of nautical charts, orientating a chart and identifying features and hazards from a chart; the basic chart work skills and the importance of adhering to collision regulations (COLREGS); the use of topographical features and navigation marks through chart orientation techniques and fixing position techniques; and plotting a course to steer.

During this interactive course, participants will learn the weather conditions and their effects; using compass for navigation and the basic rules of the road (COLREGS); the navigational equipment and day marks using GPS, radar, chart plotter, depth sounder and compass; the IALA a buoyage system; the lateral marks, cardinal marks, special and isolated danger marks and safe water marks on a chart; fixing positions and navigating using multiple aids; and the integrated navigation exercises combining chart work, weather and equipment use.

Course Objectives

Upon the successful completion of this course, each participant will be able to:-

- Apply and gain a fundamental knowledge on coastal navigation, rule of the road and chart work
- Discuss the principles and importance of coastal navigation
- Understand nautical charts, orientate a chart and identify features and hazards from a chart
- Enhance basic chart work skills and discuss the importance of adhering to collision regulations (COLREGS)
- Carryout advanced chart orientation techniques and position fixing techniques as well as plot a course to steer
- Identify weather conditions and their effects and use compass for navigation
- Review the basic rules of the road (COLREGS) and employ navigational equipment like GPS, radar, chart plotter, depth sounder and compass
- Explain the significance of principal day marks used in IALA a buoyage system
- Identify the lateral marks, cardinal marks, special and isolated danger marks and safe water marks on a chart
- Illustrate fixing positions and navigate using multiple aids and integrate chart work, weather and equipment use
- Review navigational skills as well as identify and approach navigation marks

Exclusive Smart Training Kit - H-STK®

*Participants of this course will receive the exclusive "Haward Smart Training Kit" (**H-STK®**). The **H-STK®** consists of a comprehensive set of technical content which includes **electronic version** of the course materials conveniently saved in a **Tablet PC**.*

Who Should Attend

This course provides fundamental overview of all significant aspects and considerations of coastal navigation, rule of the road and chart work for ship engineers, skippers, port controllers, ship controllers, vessel controller's navigators, marine radar operators, operations and maintenance staff.

Accommodation

Accommodation is not included in the course fees. However, any accommodation required can be arranged at the time of booking.

Course Fee

US$ 8,000 per Delegate + **VAT**. This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Course Certificate(s)

Internationally recognized certificates will be issued to all participants of the course who completed a minimum of 80% of the total tuition hours.

Certificate Accreditations

Haward's certificates are accredited by the following international accreditation organizations: -

- British Accreditation Council (BAC)

  Haward Technology is accredited by the **British Accreditation Council** for **Independent Further and Higher Education** as an **International Centre**. Haward's certificates are internationally recognized and accredited by the British Accreditation Council (BAC). BAC is the British accrediting body responsible for setting standards within independent further and higher education sector in the UK and overseas. As a BAC-accredited international centre, Haward Technology meets all of the international higher education criteria and standards set by BAC.

- The International Accreditors for Continuing Education and Training (IACET - USA)

Haward Technology is an Authorized Training Provider by the International Accreditors for Continuing Education and Training (IACET), 2201 Cooperative Way, Suite 600, Herndon, VA 20171, USA. In obtaining this authority, Haward Technology has demonstrated that it complies with the **ANSI/IACET 2018-1 Standard** which is widely recognized as the standard of good practice internationally. As a result of our Authorized Provider membership status, Haward Technology is authorized to offer IACET CEUs for its programs that qualify under the **ANSI/IACET 2018-1 Standard**.

Haward Technology's courses meet the professional certification and continuing education requirements for participants seeking **Continuing Education Units** (CEUs) in accordance with the rules & regulations of the International Accreditors for Continuing Education & Training (IACET). IACET is an international authority that evaluates programs according to strict, research-based criteria and guidelines. The CEU is an internationally accepted uniform unit of measurement in qualified courses of continuing education.

Haward Technology Middle East will award **3.0 CEUs** (Continuing Education Units) or **30 PDHs** (Professional Development Hours) for participants who completed the total tuition hours of this program. One CEU is equivalent to ten Professional Development Hours (PDHs) or ten contact hours of the participation in and completion of Haward Technology programs. A permanent record of a participant's involvement and awarding of CEU will be maintained by Haward Technology. Haward Technology will provide a copy of the participant's CEU and PDH Transcript of Records upon request.

Course Instructor(s)

This course will be conducted by the following instructor(s). However, we have the right to change the course instructor(s) prior to the course date and inform participants accordingly:

Captain Sergey Kole, is an **International Expert** in **Port Operations & Logistics Management** with over **25 years** of **onshore** and **offshore** experience within the **Oil & Gas**, **Petroleum** and **Refinery** industry. His expertise widely covers in the areas of **Anatomy of Shipping**, **Logistics & Transportation Planning** Methods, **Forecasting Logistics** Demands, Visual Network Model, **Logistics Operations**, **Tanker Vetting & Inspection**, **Marine Vetting & Audit Criteria Manual** for **Tank Ships**, **Marine & Ship Vetting**, **Vetting Process & Marine Safety Criteria**, **Tanker Vetting** for **Terminals**, **Ship Vetting**, **Marine Terminal** Operations & Management, **Marine Hazards** Prevention & Control, **Marine Communication** Systems, **Marine Safety**, **Ship** Management, **Oil Terminal** Planning, **Vessels** Operations, **Terminal** Management & Support Operations, **Oil Spill Contingency & Emergency Response Plan**, **Qualitative & Quantitative Risk** Assessments, **Terminal** Planning, **Oil Tanker Storage** Planning, **Cargo Transfer** Handling, Loading & Discharging, **Ballasting**, **Tank** Cleaning, **Crude Oil Washing**, **Ship** Handling, **Radar** Navigation, **Navigational** Aids, **Meteorological** Data Review, **Sea & Weather** Condition Monitoring, **ERT Vessel** Coordination and **Transport & Distribution Carrier**. Further, he is well-versed in **Sea-going** Personnel Human Resource Management, **Survival Craft & Rescue Boats**, Dynamic Positioning, Anti-Piracy Preparedness & Response, **Shipping** Maintenance System, **Oil & Chemical Tanker**, **Liquefied Gas Tanker**, **Inert Gas** System, **Crude Oil** Tanker & Gas Carrier, Offshore Logistics & Supply Management, **Marine Fleet** Management & Operations, **International Maritime Conventions & Codes**, **Marine Radar**, **Port Traffic Control** Systems & Instrumentation, **H^2S** Hazard Awareness, **Firefighting**, Medical Care Onboard, Carriage of Dangerous & Hazardous Substances and **Ballast Water & Sediment** Management.

During his career life, Captain Sergey has gained his technical and marine expertise through various challenging key positions such as being the **Captain**, **Operations Director**, **Project Manager**, **Port Supervisor**, **Master** of General Cargo Ship, **Master** of Container Ship, **Chief Officer**, **Marine Operations Specialist**, **Marine Coordinator**, **On-call Duty Officer**, **Crewing Consultant**, **2nd Officer**, **Ship Chandler** and **Senior Instructor/Trainer** for several international companies such as **ZADCO**, **AMEC Foster Wheeler**, Fircroft Engineering Services, Ltd., Rusalina Yacht Company, Van Oord Offshore, Exxon Neftegaz Ltd (ENL), Jr Shipping, Carisbrooke Shipping, Unicorn Petrol ve Kimya, Q Shipping BV, m/v Tradeport, Miedema Shipping CV, Rah Management BV, Petrobulk Maritime Inc., Empross Lines Ship Management, Melcard Ltd., Aquarian Shell Marine Inc., Mercy Baaba and Square Ltd.

Captain Sergey has a **Bachelor's** degree in **Navigation** in **Nautical Studies** from the **Kiev State Academy** of **Water Transport**, **Ukraine** and holds a **Master Mariner** (Unlimited) Certificates of Equivalent Competency from the MCA, UK and NSI, Netherlands. Further, he is a **Certified Instructor/Trainer**, a **Certified Internal Verifier/Assessor/Trainer** by the **Institute of Leadership & Management** (**ILM**) and has delivered various trainings, courses, seminars, workshops and conferences internationally.

Training Methodology

All our Courses are including **Hands-on Practical Sessions** using equipment, State-of-the-Art Simulators, Drawings, Case Studies, Videos and Exercises. The courses include the following training methodologies as a percentage of the total tuition hours:-

30% Lectures
20% Practical Workshops & Work Presentations
30% Hands-on Practical Exercises & Case Studies
20% Simulators (Hardware & Software) & Videos

In an unlikely event, the course instructor may modify the above training methodology before or during the course for technical reasons.

Course Program

The following program is planned for this course. However, the course instructor(s) may modify this program before or during the workshop for technical reasons with no prior notice to participants. Nevertheless, the course objectives will always be met:

Day 1: ***Sunday, 04th of January 2026***

0730 – 0800	*Registration & Coffee*
0800 – 0815	*Welcome & Introduction*
0815 – 0830	***PRE-TEST***
0830 – 0930	***Introduction to Coastal Navigation*** *Overview of Coastal Navigation Principles • Importance & Objectives of Coastal Navigation*
0930 – 0945	*Break*
0945 – 1030	***Understanding Nautical Charts*** *Types of Nautical Charts • Symbols & Abbreviations Used in Charts*
1030 – 1130	***Orientating a Chart*** *Using Topographical Features • Navigation Marks & Compass Orientation*
1130 – 1215	***Identifying Features & Hazards*** *Recognizing Hazards from a Chart • Key Features to Look for in Coastal Navigation*
1215 – 1230	*Break*
1230 – 1330	***Basic Chart Work Skills*** *Measuring Distances on a Chart • Predicting Expected Progress Accurately*
1330 – 1420	***Rule of the Road (Collision Regulations)*** *Overview of COLREGS • Importance of Adhering to COLREGS*
1420 – 1430	***Recap*** *Using this Course Overview, the Instructors will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow*
1430	*Lunch & End of Day One*

Day 2: ***Monday, 05th of January 2026***

0730 – 0830	***Advanced Chart Orientation Techniques*** *Detailed Use of Topographical Features & Navigation Marks*
0830 – 0930	***Position Fixing Techniques*** *Using Transits to Fix Position • Holding a Course Accurately*
0930 – 0945	*Break*

0945 – 1100	***Plotting a Course to Steer*** *Taking Wind & Current into Account • Calculating Deviation & Variation Effects*
1100 – 1215	***Weather Conditions & Their Effects*** *Identifying Common Weather Conditions • Describing How Weather Affects Boating Activities*
1215 – 1230	*Break*
1230 – 1330	***Using Compass for Navigation*** *Understanding Compass Deviation & Variation • Practical Exercises on Compass Use*
1330 – 1420	***Rule of The Road (COLREGS) - Part I*** *Detailed Study of the Basic Rules • Practical Applications & Scenarios*
1420 – 1430	***Recap*** *Using this Course Overview, the Instructors will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow*
1430	*Lunch & End of Day Two*

Day 3: ***Tuesday, 06th of January 2026***

0730 – 0830	***Navigational Equipment*** *Overview of GPS, RADAR, Chart Plotter, Depth Sounder & Compass*
0830 – 0930	***Using GPS for Navigation*** *Principles of GPS Navigation • Practical Exercises on Using GPS*
0930 – 0945	*Break*
0945 – 1100	***RADAR & Chart Plotter*** *Understanding RADAR Principles • Using Chart Plotter for Accurate Navigation*
1100 – 1215	***Depth Sounder & Compass*** *Navigating with Depth Sounder • Advanced Compass Navigation Techniques*
1215 – 1230	*Break*
1230 – 1330	***IALA a Buoyage System*** *Principal Day Marks Used in IALA a Buoyage System • Significance of Day Marks in Navigation*
1330 – 1420	***Rule of the Road (COLREGS) - Part II*** *In-depth Study of COLREGS • Practical Applications & Case Studies*
1420 – 1430	***Recap*** *Using this Course Overview, the Instructors will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow*
1430	*Lunch & End of Day Three*

Day 4: ***Wednesday, 07th of January 2026***

0730 – 0830	***Identifying Lateral Marks*** *Port & Starboard Lateral Marks • Characteristics & Significance*
0830 – 0930	***Cardinal Marks*** *North, South, East & West Cardinal Marks • Identifying & Describing Characteristics*
0930 – 0945	*Break*

0945 – 1100	***Special & Isolated Danger Marks*** *Recognizing Special Marks & Isolated Danger Marks • Practical Navigation Around these Marks*
1100 – 1215	***Safe Water Marks*** *Identifying Safe Water Marks on a Chart • Understanding their Significance & Approach*
1215 – 1230	*Break*
1230 – 1330	***Fixing Positions & Navigating*** *Practical Exercises on Fixing Positions • Navigating Using Multiple Aids*
1330 – 1420	***Rule of the Road (COLREGS) - Part III*** *Advanced Scenarios & Applications • Group Discussions & Problem-Solving*
1420 – 1430	***Recap*** *Using this Course Overview, the Instructors will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow*
1430	*Lunch & End of Day Four*

Day 5: ***Thursday, 08th of January 2026***

0730 – 0830	***Integrated Navigation Exercises*** *Combining Chart Work, Weather, & Equipment Use • Practical Navigation Scenarios*
0830 – 0930	***Review of Navigational Skills*** *Comprehensive Review of Skills Learned • Practical Tests & Assessments*
0930 – 0945	*Break*
0945 – 1100	***Advanced Use of Navigational Equipment*** *Practice with GPS, RADAR, & Chart Plotter • Navigating by Day & Night*
1100 – 1230	***Identifying & Approaching Navigation Marks*** *Practical Exercises on Mark Identification • Approaching Marks Correctly & Safely*
1230 – 1245	*Break*
1245 – 1345	***Comprehensive Chart Work Exercise*** *Complex Chart Work Scenarios • Team Exercises & Discussions Break*
1345 – 1400	***Course Conclusion*** *Using this Course Overview, the Instructors will Brief Participants about the Course Topics that were Covered During the Course*
1400 – 1415	***POST-TEST***
1415 – 1430	*Presentation of Course Certificates*
1430	*Lunch & End of Course*

Practical Sessions (Equipment)

This practical and highly-interactive course includes various practical sessions and exercises. Practical sessions will be performed using the equipment in order to apply the theory learnt in the class

Navigational Chart

Instruments

Course Coordinator

Mari Nakintu, Tel: +971 2 30 91 714, Email: mari1@haward.org