

COURSE OVERVIEW OE0305

Marine Communication & Coordination Compliance

Course Title

Marine Communication & Coordination Compliance

Course Date/Venue

Session 1: January 13-17, 2025/Fujairah Meeting Room, Grand Millennium Al Wahda Hotel, Abu Dhabi, UAE
 Session 2: August 10-14, 2025/Boardroom 1, Elite Byblos Hotel Al Barsha, Sheikh Zayed Road, Dubai, UAE



Course Reference

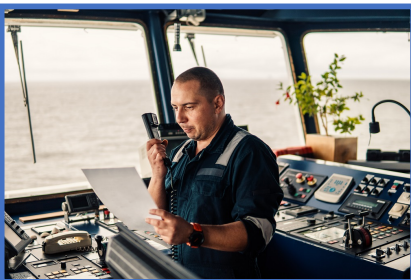
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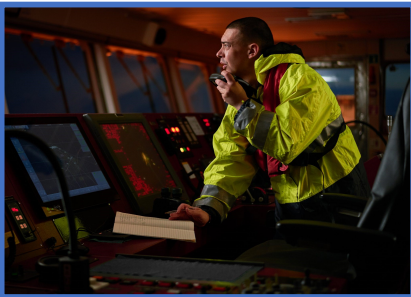
Course Duration

Five days/3.0 CEUs/30 PDHs

Course Objectives



This practical and highly-interactive course includes real-life case studies and exercises where participants will be engaged in a series of interactive small groups and class workshops.



This course is designed to provide participants with a detailed and up-to-date overview of Marine Communication. It covers the importance of radio history and communication elements; the radio frequency spectrum elements including RF propagation, propagation software, mixing of frequencies and modulation; the basic VHF radio communications as well as their specification; and the proper procedure of global maritime distress and safety.



During this interactive course, participants will learn the requirements of FCC rules, maritime radio licenses and radio frequency plan; the radiotelephone operating procedures as well as the long-range marine radio communication; marine communication systems and radio marine maintenance.

Course Objectives

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

- Apply and gain knowledge on marine communication systems
- Discuss the importance of radio history and communication elements
- Explain the radio frequency spectrum elements including RF propagation, propagation software, mixing of frequencies and modulation
- Demonstrate the basic VHF radio communications as well as their specification
- Employ the proper procedure of global maritime distress and safety
- Acquire the requirements of FCC rules, maritime radio licenses and radio frequency plan
- Practice the radiotelephone operating procedures as well as the long-range marine radio communication
- Recognize other marine communication systems and radio marine maintenance

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

The course is intended for port controllers, ship controllers, vessel controller navigators and marine radio transceiver and ship radio stations technical 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.

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 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

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**. 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.

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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 Mohamed Ghanem, MSc, BSc, is a **Senior Master Marine Engineer** with extensive experience in **Marine Engineering** within **Oil & Gas, Refinery** and **Marine** industry. His expertise widely covers in the areas of **Global Maritime Distress Safety System (GMDSS)**, **Marine Operations**, **International Maritime Conventions & Codes**, **International Ship and Port Facility Security Code (ISPS) Code**, **Buoyage System & International Code of Signals**, **Oil & Gas Marine Terminals**, **Port Terminals Crisis Management & Major Emergency Response**, **Marine Hazards Prevention & Control**, **Single Buoy Mooring System (SBM)**, **Emergency Response Procedure**, **Oil Spill Management & Recovery**, **Oil Spill Management & Response**, **Oil Spill Prevention & Control**, **Oil Spill Combating Operations**, **Oil Spill Awareness**, **Oil & Gas Marine Terminals**, **Offshore Marine Operation Management**, **International Maritime Conventions & Codes**, **Vessel Hull & Machinery Survey**, **Oil & Gas Fields Offshore Survey**, **Oil & Gas Terminals Loading & Discharging**, **Marine Engineering**, **Terminal Operations**, **Seamanship**, **Shipping Overview**, **Marine Fire Fighting Equipment**, **Life Saving**, **Safety Process**, **Major Emergency Management & Control**, **Crisis Management during Oil Spill and Firefighting**. He is currently the **Jack Up Barge Engineer & Captain of ADNOC Drilling** wherein he oversee all the operations onboard the vessel including navigation, maintenance and compliance with local regulations.

During his life career, Captain Mohamed has gained his practical and field experience through his various significant positions and dedication as the **Barge Engineer & Marine Planner Onboard**, **Trainee Barge Engineer Onboard**, **Assistant Barge Master II Onboard**, **Assistant Barge Master Onboard**, **Site Engineer**, **Marine Surveyor**, **Ship Repair Engineer**, **Vessel Repairing Engineer**, **Metal Cutting & Welding Planner**, **Marine Engineer Onboard**, **Technical Manager** and **Maintenance Mechanical Engineer** from the Shelf Drilling Co, Marine & Engineering Consulting, ADMARINE III (X-GSF 103) at ADES, Oceandro Large Yacht Builder, International Inspection Company, Synchrony-Lift Works and B-Tech Company.

Captain Mohamed has **Master** and **Bachelor** degrees in **Naval Architecture & Marine Engineering**. Further, he is a **Certified Instructor/Trainer**, a **Certified Trainer**, **Assessor & Internal Verifier** by the **Institute of Leadership of Management (ILM)** and holds a certificate in **Marine III Engineer** and **OIM & Mobile Offshore Drilling Unit (MODU)**. He is an **active member** of The International Transport Workers' Federation (**ITF**), UK and has delivered numerous courses, workshops, trainings and conferences worldwide.

Course Program

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

Day 1

0730 – 0800	Registration & Coffee
0800 – 0815	Welcome & Introduction
0815 – 0830	PRE-TEST
0830 – 0900	Marine Equipment Different Types of Marine Equipment Used for Telecommunications with Vessels • Proficiency in the Use of Marine Communication Equipment e.g. VHF, including Frequencies and their Uses • The Proper Use of VHF Techniques by Ensuring Specific Questions that Determine the Nature of Conversation i.e. VHF Communications Protocol • Proficiency in the Usage of Other Communication Equipment e.g. Emails, PC, Telephone and Fax • Use AIS Equipment, including Digital Display Map
0900 – 1000	Marine Equipment Utilization The Basic Usage of Communication Equipment (Emails, PC, Telephone and Fax, VHF Etc.) • Proper Use of VHF, including Portable VHF Handset and Walkie-Talkie • The Type of Communication Facilities and has Advanced Communication Skills to Communicate with Vessels & Own Service Boats • Monitors the Usage of Communication Equipment & Advises Subordinate for the Proper Communication Procedures & Protocols • Monitors and Ensure the Availability of Providing the Proper Communication Facilities
1000 – 1015	Break
1015 – 1115	Marine Equipment Utilization (cont'd) Monitor and Guide VHF Conversation with the Vessels for Ensuring to Obtain the Specific Requirement of the Vessels and Services Needed • In Charge of Maintaining the Equipment, Including Any Service Required • Proficiency in the Usage of Other Communication Equipment e.g. Emails, Pc, Telephone and Fax • Use Ais Equipment, including Digital Display Map and Theory of Operation of Equipment
1115 – 1230	Radio History & Communication Elements History • Basic Communications Systems • Simplex vs Duplex • Basic Transmitters • Basic Receivers
1230 – 1245	Break
1245 – 1420	The Radio Frequency Spectrum Elements Radio Frequencies • Radio Frequency Bands and Management • RF Propagation • Propagation Software • Mixing of Frequencies • Modulation
1420 – 1430	Recap
1430	Lunch & End of Day One

Day 2

0730 – 0900	VHF Radio Communications Basic VHF Transmitter • Basic VHF Receiver
0930 – 0945	Break
0915 – 1045	VHF Radio Communications (cont'd) Basic VHF Antennas and Coaxial • Basic Transceiver • Specifications
1045 – 1230	Global Maritime Distress & Safety (GMDSS) History • Carriage Requirements • Physical Description-VHF DSC • The Sea Areas • The MMSI



1230 – 1245	Break
1245 – 1420	Global Maritime Distress & Safety (GMDSS) (cont'd) Emergency Position Indicating Radio Beacon • Navigation Text Messages (NAVTEX) • Automatic Identification System (AIS) • Search and Rescue Transponder (SART)
1420 – 1430	Recap
1430	Lunch & End of Day Two

Day 3

0730 – 0930	FCC Rules, Maritime Radio Licenses, & the Radio Frequency Plan The Communications Act of 1934 • FCC Rules
0930 – 0945	Break
0945 – 1045	FCC Rules, Maritime Radio Licenses, & the Radio Frequency Plan (cont'd) Marine Radio Licenses • Advanced Licenses
1045 – 1230	Radiotelephone Operating Procedures Basic Operations • Radio Vocabulary • Calling Procedures
1230 – 1245	Break
1245 – 1420	Radiotelephone Operating Procedures (cont'd) Emergency Calling Procedures • Testing Procedures • Golden Rules of Radio
1420 – 1430	Recap
1430	Lunch & End Of Day Three

Day 4

0730 – 0930	Long-Range Marine Radio Communications Amplitude Modulation • Single Sideband • MF/HF Antennas • MF/HF Operations
0930 – 0945	Break
0915 – 1045	Long-Range Marine Radio Communications (cont'd) Basic Communications Satellite Architecture • Real Communications Satellite Systems • Specific Systems
1045 – 1230	Other Marine Communications Systems Flags and Whistle • Amateur Radio • Cellular Phones
1230 – 1245	Break
1245 – 1420	Other Marine Communications Systems (cont'd) Family Radio Services • General Mobile Radio Services • Loud Hailers
1420 – 1430	Recap
1430	Lunch & End Of Day Four

Day 5

0730 – 0930	Radio Maintenance Confidence Testing
0930 – 0945	Break
0945 – 1100	Radio Maintenance (cont'd) Confidence Testing (cont'd)
1100 – 1230	Radio Maintenance (cont'd) Preventative Maintenance
1230 – 1245	Break



1245 - 1345	Radio Maintenance (cont'd) Corrective Maintenance
1345 - 1400	Course Conclusion
1400 - 1415	POST-TEST
1415 - 1430	Presentation of Course Certificates
1430	Lunch & End of Course

Practical Sessions

This practical and highly-interactive course includes real-life case studies and exercises:-



Course Coordinator

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