Haward Technology Middle East

COURSE OVERVIEW OE0098
Bulk Carrier Code Implementation in ADNOC: Understanding Requirements and Practices

Course Title
Bulk Carrier Code Implementation in ADNOC: Understanding Requirements and Practices

Course Date/Venue
Session 1: April 21-25, 2025/Fujairah Meeting Room, Grand Millennium Al Wahda Hotel, Abu Dhabi, UAE
Session 2: October 19-23, 2025/Boardroom 1, Elite Byblos Hotel Al Barsha, Sheikh Zayed Road, Dubai, UAE
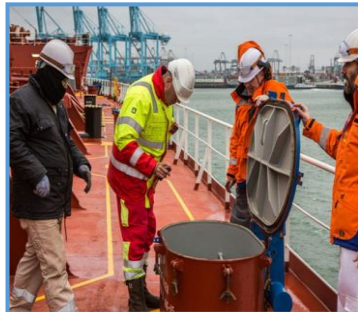
Course Reference
OE0098

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

Course Description

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 Bulk Carrier Code Implementation in ADNOC: Understanding Requirements and Practices. It covers the s bulk carrier code, key regulatory frameworks, bulk carrier code compliance for ADNOC's operations; the types and classification of bulk carriers and the characteristics of bulk cargo; the loading and unloading procedures in bulk carriers; the bulk carrier code safety management; and the ADNOC's role in compliance and enforcement including the stability and strength requirements for bulk carriers.

Further, the course will also discuss the structural integrity and maintenance of bulk carriers; the cargo shift and liquefaction hazards; the fire safety and hazardous cargo management as well as fire and explosion risks in bulk carriers; the risk management and safety measures; the ADNOC's bulk carrier risk assessment framework; the cargo loading plans and ballast management; the ADNOC's environmental compliance for bulk carriers; and the ADNOC's approach to sustainable bulk carrier operations including port operations and bulk carrier code compliance.

During this interactive course, participants will learn the ship-shore interface and communication protocol; the ADNOC's emergency response and crisis management; the crew training requirements for bulk carrier code compliance; the bulk carrier code documentation and reporting; the ADNOC's bulk carrier audits and inspections; the ADNOC's digitalization and smart ship technology; the ADNOC's best practices for bulk carrier code implementation; and the ADNOC's future strategy for bulk carrier compliance.

Course Objectives

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

- Apply and gain an in-depth knowledge on ADNOC's bulk carrier code implementation, requirements and practices

- Discuss bulk carrier code, key regulatory frameworks, bulk carrier code compliance for ADNOC's operations

- Identify the types and classification of bulk carriers and describe the characteristics of bulk cargo

- Illustrate loading and unloading procedures in bulk carriers and apply bulk carrier code safety management

- Discuss ADNOC's role in compliance and enforcement including the stability and strength requirements for bulk carriers

- Apply structural integrity and maintenance of bulk carriers and classify cargo shift and liquefaction hazards

- Carryout fire safety and hazardous cargo management and recognize fire and explosion risks in bulk carriers

- Employ risk management and safety measures as well as ADNOC's bulk carrier risk assessment framework

- Implement cargo loading plans and ballast management and discuss ADNOC's environmental compliance for bulk carriers

- Carryout ADNOC's approach to sustainable bulk carrier operations including port operations and bulk carrier code compliance

- Apply ship-shore interface and communication protocols including ADNOC's emergency response and crisis management

- Recognize crew training requirements for bulk carrier code compliance and implement bulk carrier code documentation and reporting

- Apply ADNOC's bulk carrier audits and inspections and discuss ADNOC's digitalization and smart ship technology

- Employ ADNOC's best practices for bulk carrier code implementation and ADNOC's future strategy for bulk carrier compliance

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 an overview of all significant aspects and considerations of bulk carrier code implementation in ADNOC: understanding requirements and practices for marine operations managers, deck officers and engineers, safety officers, compliance officers, training coordinators and other technical staff.

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.

  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.

- **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.

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 & Management** with over **30 years** of **onshore** and **offshore** experience within the **Oil & Gas**, **Petroleum** and **Refinery** industry. His expertise widely covers in the areas of **Offshore Drilling Operations**, **Coastal Navigation**, **Dry Docking Mechanical** System, **Dry-docking & Underwater Repair**, **Dry Docking** System, **Tugs/Boats Handling & Maneuvering**, **Ballast Water Management Convention**, **Ship Surveys**, **Ship Surveying** Planning, **Ship Survey** Preparation, **Marine Incident Investigation & Root Cause Analysis**, **Oil Spill** Management & Response, **Oil Spill IMO Level I-III**, **Oil Spill Pollution Control**, **Oil Spill Contingency & Emergency** Response Plan, **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, International **Oil Supply**, **Transportation**, **Refining & Trading**, **Marine Fleet** Management & Operations, **International Maritime Conventions & Codes**, **Marine Radar**, **Port Traffic Control** Systems & Instrumentation, **H²S** 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.

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 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 – 0930	**Overview of Bulk Carrier Code (IMSBC Code & SOLAS Regulations)** *Bulk Carrier Code & its Importance • Key Regulatory Frameworks (IMO, SOLAS, MARPOL) • Bulk Carrier Code Compliance for ADNOC's Operations • ADNOC's Commitment to Safety & Environmental Standards*
0930 - 0945	*Break*
0945 – 1045	**Types & Classification of Bulk Carriers** *Different Types of Bulk Carriers (Handysize, Handymax, Panamax, Capesize) • Structural Design & Cargo Holds • Strength & Stability Considerations • ADNOC's Bulk Carrier Fleet Overview*
1045 - 1145	**Bulk Cargo Characteristics** *Types of Bulk Cargo Transported by ADNOC's (Petroleum Products, Coal, Ore) • Flow Characteristics & Moisture Content (TML & FMP) • Cargo Reactivity & Hazardous Properties • Impact on Ship Stability & Structural Integrity*
1145 - 1230	**Loading & Unloading Procedures in Bulk Carriers** *Pre-Loading Inspection & Risk Assessment • Safe Loading & Cargo Distribution Methods • Unloading Procedures & Equipment Handling • ADNOC's Best Practices for Bulk Cargo Handling*
1230 – 1245	*Break*
1245 – 1330	**Bulk Carrier Code Safety Management** *Structural Strength & Load Distribution • International Safety Management (ISM) Code Implementation • Emergency Procedures & Contingency Planning • ADNOC's Safety Policies for Bulk Carriers*

1330 - 1420	***ADNOC's Role in Compliance & Enforcement*** *ADNOC's Responsibilities in Bulk Carrier Code Implementation • Collaboration with Flag States & Classification Societies • Port State Control (PSC) Inspections & Audits • Ensuring Crew Competency & Training Compliance*
1420 – 1430	***Recap*** *Using this Course Overview, the Instructor(s) 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

0730 – 0830	***Stability & Strength Requirements for Bulk Carriers*** *Hydrostatics & Stability Calculations • Longitudinal Strength & Stress Considerations • Cargo Distribution & Its Effect on Stability • ADNOC's Compliance with IMO Stability Requirements*
0830 – 0930	***Structural Integrity & Maintenance of Bulk Carriers*** *Common Structural Defects in Bulk Carriers • Corrosion Prevention & Hull Integrity Monitoring • Use of Coatings & Protective Measures • ADNOC's Fleet Inspection & Maintenance Programs*
0930 - 0945	*Break*
0945 – 1130	***Cargo Shift & Liquefaction Hazards*** *Basics of Cargo Liquefaction Risks • Detecting & Preventing Liquefaction in Bulk Cargo • Emergency Measures in Case of Cargo Shifting • ADNOC's Risk Assessment & Liquefaction Prevention Strategies*
1130 - 1230	***Fire Safety & Hazardous Cargo Management*** *Fire & Explosion Risks in Bulk Carriers • Fire Prevention Systems & Procedures • ADNOC's Guidelines for Transporting Flammable Cargo • Emergency Response for Cargo Fires & Spillage*
1230 - 1245	*Break*
1245 - 1330	***Risk Management & Safety Measures*** *Hazard Identification & Risk Control Strategies • ADNOC's Safety Management System (SMS) for Bulk Carriers • Implementation of Safety Drills & Simulations • Case Study: Bulk Carrier Accidents & Lessons Learned*
1330 - 1420	***ADNOC's Bulk Carrier Risk Assessment Framework*** *Pre-Departure Safety Assessments • ADNOC's Compliance with ISPS (International Ship & Port Facility Security) • Risk Mitigation Strategies for Bulk Carriers • Documentation & Reporting Best Practices*
1420 – 1430	***Recap*** *Using this Course Overview, the Instructor(s) 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

0730 – 0930	***Cargo Loading Plans & Ballast Management*** *Creating Effective Cargo Loading Plans • ADNOC's Ballast Water Exchange & Treatment Procedures • Ballast Water Management Compliance • Case Study: Impact of Improper Ballasting on Bulk Carrier Stability*
0930 - 0945	*Break*

0945 - 1030	**ADNOC's Environmental Compliance for Bulk Carriers** MARPOL Regulations & ADNOC's Environmental Policies • Managing Cargo Residue & Waste Disposal • Oil Spill Prevention Measures for ADNOC Operations • Monitoring Emissions & Energy Efficiency Strategies
1030– 1130	**ADNOC's Approach to Sustainable Bulk Carrier Operations** Fuel Efficiency & Emission Reduction Initiatives • Alternative Fuels for ADNOC's Bulk Carriers • Carbon Footprint Monitoring & Reduction Strategies • ADNOC's Green Shipping Initiatives
1130 - 1230	**Port Operations & Bulk Carrier Code Compliance** ADNOC's Port Facilities & Bulk Handling Equipment • Port Regulations & Compliance Framework • Port State Control (PSC) Procedures & Inspections • Best Practices for Port Entry & Exit Maneuvers
1230 - 1245	Break
1245 - 1420	**Ship-Shore Interface & Communication Protocols** Coordination Between Bulk Carrier Crews & Shore Teams • Loading/Unloading Coordination with Terminal Operators • Safety ADNOC's Protocols for Bulk Carrier Operations • Incident Reporting & Response Mechanisms
1420 – 1430	**Recap** Using this Course Overview, the Instructor(s) 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

0730 - 0930	**ADNOC's Emergency Response & Crisis Management** Incident Management & Contingency Planning • ADNOC's Emergency Response Teams & Drills • Coordination with Maritime Rescue Services • Case Study: Handling a Bulk Carrier Emergency
0930 - 0945	Break
0945 - 1130	**Crew Training Requirements for Bulk Carrier Code Compliance** ADNOC's Training Programs for Bulk Carrier Crews • Certification & Competency Requirements (STCW) • Simulation-Based Training for Emergency Situations • ADNOC's Role in Crew Safety Education
1130 - 1230	**Bulk Carrier Code Documentation & Reporting** Required Documents for ADNOC's Bulk Carrier Compliance • ADNOC's Procedures for Cargo Documentation • Logbooks, Inspection Reports, & Maintenance Records • Ensuring Compliance with IMO Reporting Guidelines
1230 - 1245	Break
1245 – 1420	**ADNOC's Bulk Carrier Audits & Inspections** Internal Audits & Performance Evaluations • Third-Party Inspections & Certification Requirements • ADNOC's Collaboration with Regulatory Authorities • Addressing Deficiencies & Non-Conformities
1420 – 1430	**Recap** Using this Course Overview, the Instructor(s) 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

0730 – 0930	**ADNOC's Digitalization & Smart Ship Technology** *Use of IoT & AI in Bulk Carrier Operations • Data Analytics for Bulk Carrier Performance Monitoring • Real-Time Cargo Tracking & Ship Navigation Technologies • ADNOC's Investment in Maritime Digital Transformation*
0930 - 0945	*Break*
0945 - 1130	**ADNOC's Best Practices for Bulk Carrier Code Implementation** *ADNOC's Bulk Carrier Safety Standards • Compliance with Global Maritime Trade Policies • Future Trends in ADNOC's Bulk Carrier Fleet Operations • Enhancing ADNOC's Role in Sustainable Bulk Shipping*
1130 - 1230	**ADNOC's Future Strategy for Bulk Carrier Compliance** *ADNOC's Long-Term Sustainability & Decarbonization Plan • Enhancing ADNOC's Bulk Carrier Safety Culture • Future Regulatory Changes & ADNOC's Preparedness • Final Review & Recommendations*
1230 - 1245	*Break*
1245 - 1300	**Case Study: Bulk Carrier Accidents & Lessons Learned** *Review of Major Bulk Carrier Incidents • Identifying Common Safety Violations • ADNOC's Response & Corrective Actions • Preventive Measures & Best Practices*
1300 – 1315	**Course Conclusion** *Using this Course Overview, the Instructor(s) will Brief Participants about the Course Topics that were Covered During the Course*
1315 – 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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