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Course Catalog

Dry Bulk-Navigation

DBMS-201 Bridge Procedures and Standards

Course Description:

This course is designed to provide maritime professionals with Knowledge, Understanding and Proficiency of bridge procedures and standards essential for effective and safe watch-keeping. Participants will learn about regulatory compliance, best Practices and the use of modern navigation aids to enhance operational efficiency and safety of navigation at sea.

The Course:

- Follows Chapter V of SOLAS that deals with the safety of navigation and includes regulations on bridge design, equipment, and watchkeeping standards
- Addresses RiSQ 2.6 and Section 3: Navigation 3.1-3.28

DBMS-202 Bridge Resource Management (BRM)

Course Description:

This course focuses on the principles and practices of Bridge Resource Management (BRM), essential for the effective and safe operation of a ship's bridge team. Participants will learn to optimize the use of bridge resources, enhance communication, assertiveness, leadership, and maintain situational awareness to ensure the safety and efficiency of maritime operations.

The Course:

- Follows the STCW Code Section A-VIII/2; Section B-VIII/2, Part 3-1 for effective use of all resources available to the bridge team to ensure safe navigation
- Addresses RiSQ 2.6 and Section 3: Navigation 3.9;3.18;3.20;3.21;3.26;3.27

DBMS-203 Ice or Polar Water Operations

Course Description:

This course provides maritime professionals with the knowledge and skills required for safe and efficient operations in ice-covered and polar waters. Participants will learn about ice characteristics, vessel performance in ice, and the unique challenges posed by extreme cold environments. The course emphasizes crew preparation, safety procedures, and the use of specialized equipment to operate in these harsh conditions.

The Course:

- Follows the mandatory Polar Code requirements
- Addresses RiSQ 3.0 Section 16: Ice or Polar Water Operations 16.1 to 16.20

DBMS-204 Mooring and Anchoring

Course Description:

This course is designed to equip maritime professionals with the skills and knowledge required for effective and safe mooring and anchoring operations. Participants will learn about different anchoring techniques, procedures, and the factors influencing the choice of anchorage. The course emphasizes safety precautions for successful anchoring and mooring maneuvers.

The Course:

- Follows IMO Guidelines MSC.1/Circ.1619 : Design of mooring arrangements and the selection of appropriate mooring equipment and fittings for safe mooring
- Addresses RiSQ 2.6 and RisQ 3.0 Section 10: Mooring Operations 10.1 to 10.23

DBMS-205 Radio and Communication

Course Description:

This course is designed to provide knowledge and skills in radio and communication protocols essential for safe and efficient ship operations. Participants will learn about the Global Maritime Distress and Safety System (GMDSS), and the use of various communication equipment including emergency communication, vessel traffic services, and international communication standards.

The Course:

- Follows IMO Resolution MSC.509(105): Provision of radio services for the GMDSS
- Addresses RiSQ 3.0 Section 11: Radio and Communication 11.1 to 11.9

Dry Bulk-Cargo

DBMS-301-Cargo handling on ships carrying dangerous and hazardous substances in packaged and solid form in bulk

Course Description:

The course provides guidance for cargo handling of dangerous cargoes in packaged and bulk form, being carried on General Cargo and Multipurpose Ships including RO-RO vessels and Bulk Carriers. The course is based on the carriage requirements of the IMDG Code; IMSBC Code; and INF Code in handling such cargoes.

The course:

- Follows the IMO-STCW Section B-V/b: Ships carrying dangerous and hazardous substances in solid form in bulk and Section B-V/c: Ships carrying dangerous and hazardous substances in packaged form
- Addresses RiSQ 2.7; 2.8 and Section 8A: Cargo Operation- Solid Bulk Cargo other than Grain; Sec 8A-8.2; 8.11; 8.12;8.13 ; 8.16 and Section 8C: Cargo Operation- General Cargo- 8.3

DBMS-302-Cargo Operations - Bulk Grain Cargoes

Course Description:

This course provides knowledge and skills for safe and efficient transportation of bulk grain cargoes. The course covers critical topics such as stability calculations, grain heeling moments, and the preparation of holds, alongside effective methods for securing grain and preventing cargo shifting.

The course:

- Builds upon the regulatory frameworks of SOLAS Chapter VI and the IMO Grain Code
- Addresses the RiSQ 3.0 Questionnaire Section 8B: Cargo Operation- Bulk Grain 8.1

DBMS-303 Container Ships and Cargo Operations

Course Description

This course is designed to train maritime professionals for effective and safe management of containerized cargo. Participants will explore various types of containers, including refrigerated units, and know the marking, identification, and containerization process. The course covers the operational aspects of container stowage, and the use of container handling equipment. Additionally, the course delves into the manufacturing, maintenance, and ownership versus leasing of containers.

The course:

- Follows the IMO-International Convention for Safe Containers (CSC)
- Addresses the RiSQ 3.0 Questionnaire Section 8D: Cargo Operation- Cellular Container Ships-8.27

DBMS-304 Cargo Operations- General Cargo

Course Description

This course is designed for maritime professionals for efficient and safe handling of general cargo on multipurpose vessels. Participants will study general cargo types, the loading procedures, and the steps in preparing cargo holds. The course covers shipping documents, stowage techniques, and the principles of maintaining ship stability during cargo operations.

The course:

- Follows the regulatory frameworks of SOLAS Chapter VI
- Addresses the RiSQ 3.0 Questionnaire Section 8C: Cargo Operation- General Cargo 8.15

DBMS-305 Cargo Handling Gear and Equipment

Course Description

This course is designed to provide the knowledge and skills required for safe and efficient use of cargo handling gear and equipment. Participants will learn about cargo-handling safety practices, including the importance of safe working loads, visual inspections, and maintaining seaworthiness during operations. The course covers maintenance of cargo-handling gear, such as slings, pallets, and lifting appliances, with a focus on complying with statutory requirements. Additionally, the course offers insights into container handling equipment, like gantry cranes, and the operation of self-unloading systems.

The course:

- References SOLAS regulation II-1/3-13 on lifting appliances and anchor handling winches
- Addresses the RiSQ 3.0 Questionnaire Sec 9A/9.1 to 9.17

DBMS-306 Cargo Operation- Solid Bulk Cargoes other than Grain

Course Description

This course is designed to provide the essential knowledge and skills needed for the safe and efficient handling of solid bulk cargoes other than grain. Participants will learn about the main hazards associated with solid bulk cargoes and the precautions to mitigate these risks. The course

includes cargo calculations, use of stability and trim diagrams, hold cleaning procedures, and importance of proper documentation and communication between ship and shore.

The course:

- Follows the IMO Code of Practice for the Safe Loading and Unloading of Bulk Carriers (BLU Code)
- Addresses the RiSQ 3.0 Questionnaire Section 8A: Cargo Operation- Solid Bulk Cargo other than Grain 8.10 to 8.19

DBMS-307 Fumigation of Cargo holds

Course Description

Cargo fumigation is a process that ensures the safe and uncontaminated transport of goods by eliminating pests and insects that threaten the integrity of cargo during transit. This course covers the principles of fumigation, and its application in grain operations and covers various fumigation methods and safety considerations.

The course:

- Follows the IMO Recommendations on the Safe Use of Pesticides in Ships Applicable to the Fumigation of Cargo Holds.
- Addresses the RiSQ 3.0 Questionnaire Section 8B: Cargo Operation- Bulk Grain 8.18;8.19;8.21
- Addresses the RiSQ 3.0 Questionnaire Section 8C: Cargo Operation- General Cargo 8.31;8.32

DBMS-308 Timber Cargoes

Course Description

This course is designed to equip maritime professionals with the knowledge and skills for the safe and efficient handling of timber cargoes. Participants will learn the characteristics of timber cargo, the stability and load line requirements. The course covers aspects of stowage, lashing, and hazard mitigation including the appropriate actions if cargo is lost overboard.

The course:

- Follows the IMO Code of Safe Practice for Ships Carrying Timber Deck Cargoes (TDC Code)
- Addresses the RiSQ 3.0 Questionnaire Section 8C: Cargo Operation- General Cargo 8.9 to 8.18

DBMS-310 Hatch cover inspection and maintenance

Course Description

The Hatch Cover inspection and maintenance course focuses on safe operation, inspection, and maintenance of hatch covers and lifting appliances, ensuring vessel safety, cargo protection, and compliance with industry standards. The proper functioning and maintenance of these critical components are essential to maintaining a seaworthy vessel and preventing water ingress, cargo damage, or accidents during lifting operations.

The course:

- Follows the IMO Code of Safe Practice for Cargo Stowage and Securing (CSS Code) and the IACS Unified Requirements (UR) for hatch covers
- Addresses the RiSQ 3.0 Questionnaire Section 9A: Hatch Cover and Lifting Appliances 9.1 to 9.17

DBMS-311 Carriage of Solid Bulk Cargoes other than Grains (IMSBC Code)

Course Description

This course is designed to provide a comprehensive understanding of the safe carriage of solid bulk cargoes in accordance with the IMSBC Code. Participants will know the basics of solid bulk cargoes, including concepts such as the angle of repose, Flow Moisture Point (FMP), Flow State, and the Transportable Moisture Limit (TML). The course discusses the carriage of coal and other solid bulk cargoes.

The course:

- Follows the application of Common Structural Rules (CSR)
- Addresses the RiSQ 3.0 Questionnaire Section 8A: Cargo Operation- Solid Bulk Cargo other than Grain Sec 8A- 8.1 to 8.9

DBMS-312 Container Ships and Liner Operations

Course Description

This course offers an understanding of container ships and the intricacies of liner operations in global trade. Participants will explore the various types and sizes of container ships, including the mega container ships. The course covers topics such as liner service strategies, the regulatory framework governing liner shipping, and the strategic importance of liner operations. It delves into the influence of mega container ships on maritime logistics, including their effects on supply chains and port infrastructure.

The course:

- Follows the IMO-International Convention for Safe Containers (CSC)
- Addresses the RiSQ 3.0 Questionnaire Section 8D: Cargo Operation- Cellular Container Ships 8.27

DBMS-313 Heavy Lift Cargoes

Course Description:

This course is designed to provide maritime professionals with the essential knowledge and skills required for the safe and effective handling of heavy lift cargoes. Participants will learn about the challenges of transporting heavy lift items and the techniques needed to secure and distribute these loads. The course covers topics such as the use of dunnage, load density calculations, and the principles of load distribution. Additionally, the course includes cargo securing techniques, the rigging of heavy lift derricks, and the identification of hazards associated with heavy lift operations.

The course:

- Follows the guidelines of the UK P&I Club and AGCS on how to carry heavy-lift and project cargo safely at sea.
- Addresses the RiSQ 3.0 Questionnaire Section 8C: Cargo Operation- General Cargo 8.14

Dry Bulk-Safety

DBMS-401: Maritime Cyber Security

Course Description:

This course is designed to provide maritime professionals with a comprehensive understanding of cyber security principles and practices specific to the maritime industry. Participants will explore the cyber security challenges faced by maritime operations, including legal aspects, vulnerabilities of shipboard systems, and effective defense strategies. Through case studies and practical examples, it creates the knowledge to safeguard maritime infrastructure against cyber threats.

The course:

- Follows the IMO Resolution MSC.428(98) and BIMCO for cyber risk management.
- Addresses the RiSQ 3.0 Questionnaire Section 12: Security 12.7

DBMS 403: Emergency planning including crisis management.

Course Description:

This course provides an in-depth exploration of emergency planning and crisis management, focusing on the implementation of the ISM Code. Through the study of international safety regulations, crisis management concepts, and practical case studies, this course helps in effectively plan, prepare for, and respond to emergencies at sea; optimizing resource utilization, situational awareness, and developing strong leadership for managing high-stress situations.

The course:

- Follows the IMO Resolution A.1072(28): for a structure of an integrated system of contingency planning for shipboard emergencies
- Addresses the RiSQ 3.0 Questionnaire Section 4: ISM System 4.12

DBMS 404: Enclosed space entry

Course Description:

This course is designed to provide maritime professionals with the knowledge and skills necessary to safely enter the enclosed spaces on ships. Participants will learn about the hazards associated with confined spaces, regulatory requirements, risk assessment, and the necessary precautions and procedures to ensure safety. The course also covers the use of personal protective equipment (PPE), atmospheric testing, and rescue operations.

The course:

- Follows the IMO Resolution A.1050(27): recommendations for entering enclosed spaces aboard ships
- Addresses the RiSQ 3.0 Questionnaire Section 4: ISM System 4.5, 4.6, 4.32

DBMS 405: Helicopter operation at sea

Course Description:

This course is designed to provide maritime professionals with the essential knowledge and skills required for the safe and efficient operation of helicopters at sea. Participants will learn about the

different types of helicopters used in offshore operations, regulatory requirements, standard operating procedures, and safety precautions. The course covers communication protocols, weather management, and contingency planning to ensure successful helicopter operations.

The course:

- Follows the SOLAS Regulation 18 - Helicopter facilities and Reg.III/28
- Follows the ICS Guide to Helicopter/Ship Operations and the IAMSAR and CAP437 Standards for Offshore Helicopter Landing Areas.
- Addresses the RiSQ 3.0 Questionnaire Section 4: ISM System 4.9, 4.38, 4.39, 4.41

DBMS 406: Incident reporting, investigation, and training

Course Description:

This course is designed to provide maritime professionals with the knowledge and skills necessary for effective incident reporting, investigation, and training within the maritime industry. Participants will learn the principles of accident investigation, including preparation, evidence collection, interviewing techniques, and human factors analysis.

The course:

- Follows the provisions of the SOLAS 1974 regulations I/21 (b) and XI-1/6, MARPOL articles 8 &12 and LL 1966/1988 article 23: The reporting to IMO of marine casualties and incidents, including marine safety investigations
- Addresses the RiSQ 3.0 Questionnaire Section 4: ISM System 4.1

DBMS 407: Permit to work

Course Description:

This course is designed to provide maritime professionals with an in-depth understanding of Permit-to-Work (PTW) systems, which are essential for ensuring safe work practices in hazardous environments. Participants will learn the purpose, objectives, and components of work permits, as well as the procedures for issuing, authorizing, and managing permits. The course covers training, competency requirements, and regulatory compliance, along with real-life case studies.

The course:

- Follows the Code of Safe Working Practices for Merchant Seafarers (COSWP), MCA and 29 CFR Part 1910 Occupational safety and health standards, USA
- Addresses the RiSQ 3.0 Questionnaire Section 4: ISM System 4.7; 4.8

DBMS 408: Risk assessment and management

Course Description:

This course is designed to provide maritime professionals with the skills and knowledge necessary for effective risk assessment and management within the maritime industry. Participants will learn about regulatory requirements, risk management systems, and various techniques for assessing and analyzing risks. The course emphasizes practical application of risk management methodologies in different areas, including cargo handling.

The course:

- Follows the Guidance Notes on Risk assessment applications for the marine and offshore industries by ABS
- Addresses the RiSQ 3.0 Questionnaire Section 4: ISM System 4.2

DBMS 409: Safety officer training

Course Description:

This course is designed to provide maritime professionals with the knowledge and skills necessary to perform effectively as a Ship Safety Officer. Participants will learn about the requirements of the ISM code, roles and responsibilities, hazard identification, risk assessment, and methods to enhance safety culture on board. The course also covers accident investigation, safety management system auditing, and the organization of safety training and drills.

The course:

- Follows the STCW Code 2010 Table A-II/2 & A-III/2 Training guidelines for the Ship Safety Officer
- Addresses the RiSQ 3.0 Questionnaire Section 4: ISM System 4.2; 4.12

Dry Bulk-Care for Persons

DBMS-501: Discrimination, Sexual Harassment and Bullying

Course Description:

This course is designed to provide maritime professionals with an understanding of discrimination, sexual harassment, and bullying in the maritime industry. Participants will learn about the prevalence and effects of these issues, as well as strategies for prevention and response. The course covers legal frameworks, grievance procedures, and the roles and responsibilities of seafarers and shipping companies in fostering a safe and respectful workplace.

The course:

- Follows the IMO/ILO Maritime Labour Convention, 2006.
- Addresses the RiSQ 3.0 Questionnaire Section 2: Certification and personnel management and Section 15: Health and Welfare of Seafarers 15.9; 15.11

DBMS-502: Drug and Alcohol Policies at Sea

Course Description:

This course is designed to provide an understanding of the risks associated with drug and alcohol use, and the effective management of these issues on board ships. Students learn about the effects of substance abuse, and the procedures for testing and handling such cases. It emphasizes education, training, and awareness to promote a healthy working environment at sea.

The course:

- Follows STCW Convention, Section A-VIII/1: Fitness for Duty.
- Addresses the RiSQ 3.0 Questionnaire Section 2: Certification and personnel management 2.9 - 2.12

DBMS-503: Fatigue Management

Course Description:

This course is designed to provide maritime professionals with an understanding of fatigue and stress, their causes, and how to effectively manage them on board ships. Participants will learn about the risk factors associated with endurance, the principles of fatigue management, and the implementation of Fatigue Risk Management Systems (FRMS).

The course:

- Follows IMO Circular MSC.1/Circ.1598: Guidelines on fatigue
- Addresses the RiSQ 3.0 Questionnaire Section 2: Certification and personnel management 2.5

DBMS-504: Health awareness and medical care

Course Description:

This course is designed to provide maritime professionals with a comprehensive understanding of health awareness and medical care for seafarers. Participants will learn about international health regulations, the roles of various stakeholders, and best practices for maintaining health and well-being. The course covers medical care procedures, the management of common maritime injuries and illnesses, and the application of risk management principles to health risks.

The course:

- Follows the STCW Convention -Table A-VI/4-2: Provision of medical care and MLC convention: Medical care and access to medical facilities on shore for the seafarer.
- Addresses the RiSQ 3.0 Section 15: Health and Welfare of Seafarers 15.2, 15.3, 15.6

DBMS-505: Hours of work and rest and the MLC

Course Description:

This course provides maritime professionals with a comprehensive understanding of the Maritime Labour Convention (MLC) and the regulations regarding hours of work and rest for seafarers. Participants will learn about seafarers' rights, legal frameworks, and implementation of these regulations to control crew fatigue. The course discusses responsibilities of senior officers, compliance and enforcement procedures.

The Course:

- Follows MLC, 2006 as adopted by the 94th Session of the International Labour Conference (ILC) on 23 February 2006.
- Addresses the RiSQ 3.0 Questionnaire Section 2: Certification and personnel management 2.5

DBMS-506: Mental Health for Seafarers

Course Description

This course is designed to address the challenges in maintaining mental well-being in a demanding and often isolated environment. This course provides an understanding of workplace health awareness, stress and fatigue management, and the recognition and management of anxiety and depression. Participants will learn to cultivate a healthy mindset, essential for

resilience in the face of adversity. It discusses the critical role of organizations in supporting mental health on board ships, emphasizing shared responsibilities.

The course:

- Follows the STCW Convention -Table A-VI/4-2 : Provision of medical care and MLC convention: Medical care and access to medical facilities on shore for the seafarer.
- Addresses the RiSQ 3.0 Questionnaire Section 15: Health and Welfare of Seafarers 15.10, 15.12

DBMS-507: Delivering on Seafarers' Rights and Welfare

Course Description:

This course is designed to provide maritime professionals with a thorough understanding of seafarers' rights and welfare. Participants will learn about the Code of Conduct, the commitment required from shipowners and operators, and the strategies for ensuring fair terms of employment and enhanced wellbeing for seafarers. The course covers comprehensive strategies for crew protection, grievance handling, and the implementation and auditing of the Code of Conduct.

The course:

- Follows MLC, 2006 as adopted by the 94th Session of the International Labour Conference (ILC) on 23 February 2006.
- Addresses the RiSQ 3.0 Questionnaire Section 2: Certification and personnel management 2.5 and Section 15: Health and Welfare of Seafarers 15.1

Dry Bulk-Marine Engineering

DBMS-601-Auxiliary Boiler and its Control Systems

Course Description:

This Course focuses on the operation, and control of shipboard auxiliary and exhaust gas boilers, ensuring safety and efficiency and boiler automation systems.

The course addresses:

- RightShip RiSQ3.0-Section 13: Machinery Space. 13.20; 13.30
- STCW: Regulation III/2, III/3, III/4, III/5.

DBMS-603- Hydraulic Machinery onboard

Course Description:

This Course examines the maintenance, operation, and troubleshooting of hydraulic systems onboard , in particular for bulk carriers and General Cargo ships.

The course addresses:

- RightShip RiSQ3.0-Section 13: Machinery Space. 13.23;13.30
- STCW: Regulation III/2, III/3

DBMS-604- Operation and Maintenance of Marine Diesel Engines

Course Description:

Focuses on propulsion main diesel engine systems, covering operational techniques, maintenance schedules, and compliance with environmental and safety regulations.

The course addresses:

- RightShip RiSQ3.0-Section 13: Machinery Space. 13.1; 13.18; 13.32
- STCW: Regulation III/2, III/3, III/4, III/5.

DBMS-605-Operation and Maintenance of Auxiliary Engines

Course Description:

Provides an understanding of auxiliary engine functions, maintenance practices, and safety protocols to ensure operational reliability.

The course addresses:

- RightShip RiSQ3.0-Section 13: Machinery Space. 13.11
- STCW: Regulation III/2, III/3, III/4, III/5.

DBMS-606-Scrubber Technician

Course Description:

Offers knowledge on the installation, maintenance, and regulation of exhaust gas scrubbers, crucial for pollution prevention and adherence to maritime emission standards.

The course addresses:

- RightShip RiSQ3.0-Section 13: Machinery Space 13.1; Section 5: Pollution Prevention and Control 5.23
- STCW: Regulation III/2, III/3

DBMS-607-Fresh and Potable Water System

Course Description:

Focuses on the operation and maintenance of shipboard fresh and potable water systems, ensuring compliance with health and safety standards.

The course addresses:

- RightShip RiSQ3.0-Section 15 Health and welfare of Seafarers: 15.5
- STCW: Regulation III/2, III/3, III/4, III/5.

DBMS-608-Engineroom Pipes and Pumping Systems

Course Description:

Provides in-depth knowledge on the layout, operation, and maintenance of engineroom piping and pumping systems, adhering to industry standards.

The course addresses:

- RightShip RiSQ3.0-Section 13: Machinery Space. 13.1;13.29; 13.31
- STCW: Regulation III/2, III/3, III/4, III/5.

DBMS-609- Shipboard Ventilation and Engineroom Blowers and Fans

Course Description:

Discusses ventilation systems, including blowers and fans used to maintain safe and efficient working environment in engine room.

The course addresses:

- RightShip RiSQ3.0-Section 13: Machinery Space. 13.15
- STCW: Regulation III/4, III/5.

DBMS-610-Steering Gear Room: Arrangements and Practices

Course Description:

Focuses on the steering gear room's arrangement, safe operation, and maintenance practices, emphasizing compliance with regulatory frameworks.

The course addresses:

- RightShip RiSQ3.0-Section 13: Machinery Space. 13.30;13.26;13.37
- STCW: Regulation III/2, III/3, III/4, III/5.

DBMS-611- Safe Working Practices for Engineers

Course Description:

Covers essential work hazards and safe working practices for engineers, ensuring compliance with regulatory and safety codes onboard ships.

The course addresses:

- RightShip RiSQ3.0-Section 13: Machinery Space. 13.2;13.30; 13.12; 13.22
- STCW: Regulation III/2, III/3, III/4, III/5.
- Code of Safe Working Practices for Merchant Seafarers, MCA

DBMS-612- Engine room watchkeeping

Course Description:

Provides the necessary skills for effective engine room watchkeeping, including UMS operations, ensuring safe engine operations, regular plant upkeep and adherence to MLC and STCW regulations.

The course addresses:

- RightShip RiSQ3.0- Section 13: Machinery Space. 13.1; 13.6;13.9
- STCW: Regulation III/2, III/3, III/4, III/5.

DBMS-613-Main and Emergency Air Compressors

Course Description:

Focuses on the operation and maintenance of air compressors used for main and emergency purposes, ensuring compliance with operational standards.

The course addresses:

- RightShip RiSQ3.0-Section 13: Machinery Space. 13.33
- STCW: Regulation III/4, III/5.

DBMS-614-Purifier and Fuel Oil Handling Equipment

Course Description:

Examines the principles and practices of handling purifiers and fuel oil systems, critical for shipboard fuel management.

The course addresses:

- RightShip RiSQ3.0-Section 13: Machinery Space. 13.33
- STCW: Regulation III/4, III/5.

DBMS-615-Refrigeration and Air-conditioning Machinery

Course Description:

Provides an overview of refrigeration and air-conditioning systems onboard ships, including their operation, maintenance, and regulatory compliance.

The course addresses:

- RightShip RiSQ3.0- Section 13: Machinery Space. 13.33
- STCW: Regulation III/2, III/3, III/4, III/5.

DBMS-616- Stern Tube and Sealing Arrangements

Course Description:

Discusses stern tube arrangements, sealing technologies, and maintenance practices for ensuring the integrity of a vessel's propulsion system.

The course addresses:

- RightShip RiSQ3.0- Section 13: Machinery Space. 13.30
- STCW: Regulation III/2, III/3, III/4, III/5.

DBMS-617- Sewage/Garbage Management and Incineration

Course Description:

Focuses on the operation of shipboard incinerators and sewage systems, crucial for waste management and pollution prevention.

The course addresses:

- RightShip RiSQ3.0- Section 13: Machinery Space and Section 13.9. Sec 5: Pollution Prevention and Control 5.19, 5.20
- STCW: Regulation III/2, III/3, III/4, III/5.

DBMS-622-Understanding Energy Efficiency

Course Description:

Provides insight into energy efficiency practices onboard, focusing on reducing fuel consumption and harmful emissions in improving the environmental footprint of vessel operations.

The course addresses:

- RightShip RiSQ3.0- Section 13: Machinery Space 13.3, and Section 5: Pollution Prevention and Control 5.21, 5.22
- STCW: Regulation III/2, III/3.

DBMS-623-Shipboard Energy Management

Course Description:

Offers practical knowledge on managing energy systems onboard ships, emphasizing sustainable practices and compliance with pollution prevention regulations.

The course addresses:

- RightShip RiSQ3.0- Section 13: Machinery Space 13.3, and Section 5: Pollution Prevention and Control 5.21, 5.22
- STCW: Regulation III/2, III/3, III/4, III/5.

Dry Bulk-Management

DBMS-801: Audit planning, review, and closeout

Course Description:

This course is designed to provide knowledge and skills necessary for conducting effective internal audits on board ships. Participants will learn about the importance of internal audits, the responsibilities involved, and the processes for planning, preparation, performance, reporting, and follow-up. The course covers various types of audits, regulatory compliance, communication challenges, and the significance of addressing non-conformities to enhance operational efficiency.

The Course:

- Follows ISM Code as part of the Chapter IX SOLAS Convention. 4.3
- Addresses the RiSQ 3.0 Section 4: ISM System

DBMS-803: Fuel Management (LNG Fuels)

Course Description:

This course provide the knowledge and skills in the management of LNG (Liquefied Natural Gas) as a marine fuel. The course explores the fundamentals of LNG, including natural gas and shale gas. The course discusses LNG fuel systems, including the design, installation, and operation of LNG bunker tanks, piping systems, and valves. The course describes LNG bunkering procedures, safety protocols, and emergency shutdown systems, with emphasis on risk management and underscores the importance of crew training for LNG bunkering operations.

The course:

- Follows the IMO regulatory frameworks of MARPOL Annex VI, and the IGF Code.
- Addresses the RiSQ 3.0 Section 7B: Fuel Management (LNG Fuels) Sec. 7B - 7.2-7.4, & 7.17

DBMS-804: Fuel Management (Oil Fuel)

Course Description:

This course provides details of fuel management for ships, focusing on the safe and efficient handling of fuel systems. Participants will learn about bunkering procedures and fuel transfer systems. The course covers the analysis and management of fuel, lube, and hydraulic oils, with an emphasis on safety, compliance, and best practices for preventing engine damage.

The course:

- Follows the IMO regulatory frameworks of MARPOL Annex VI, and Annex I.
- Addresses the RiSQ 3.0 Section 7A: Fuel Management (Oil Fuel)- 7.9

DBMS-805: Safety Management System and the ISM Code

Course Description:

This course provides a comprehensive overview of Safety Management Systems (SMS) and the International Safety Management (ISM) Code, focusing on their application in maritime operations. Participants will learn about the key components of SMS, including risk assessment and human factors, as well as the requirements and scope of the ISM Code. The course also covers the process of conducting shipboard ISM audits, addressing non-conformities, and preparing for a career as a Lead Auditor. Ideal for maritime professionals aiming to enhance safety management practices and compliance.

The Course:

- Follows ISM Code as part of the Chapter IX SOLAS Convention. Sec 4 - 4.1, 4.2
- Addresses the RiSQ 3.0 Section 4: ISM System

DBMS-806: Management of change including vessel acquisition

Course Description:

This course is designed to provide maritime professionals with an understanding of the management of change (MOC) processes and the considerations involved in vessel acquisition. Participants will learn about the concepts of change management, best practices, and the application of MOC in shipping. The course covers the due diligence and documentation required for acquiring a ship, and the roles and responsibilities in MOC process.

The Course:

- Follows the Guidance Notes on Management of Change: ABS
- Addresses the RiSQ 3.0 Section 13: Machinery Space:13.1

DBMS-807: Pollution Prevention and Control- Oil

Course Description:

This course provides an understanding of pollution prevention related to ship-source oil pollution. The course covers pollution control measures, operational discharge management, and stability considerations. Participants will also learn to conduct drills and exercises to ensure preparedness for oil spill responses in compliance with international and national standards.

The Course:

- Follows the regulatory frameworks of MARPOL Annex I and the OPA 90.
- Addresses the RiSQ 3.0 Section 5: Pollution Prevention and Control 5.1, 5.2, 5.13-5.17

DBMS-808: Pollution Prevention and Control- Air

Course Description:

This course is designed to provide maritime professionals with knowledge and skills in preventing and controlling air pollution from ships. Participants will learn about international

regulations, the impact of various pollutants, and the technologies and practices used to reduce emissions. The course covers the use of scrubbers, alternate fuels, and energy efficiency measures in maritime operations.

The Course:

- Follows the regulatory frameworks of MARPOL Annex VI.
- Addresses the RiSQ 3.0 Section 5: Pollution Prevention and Control 5.21-5.23

DBMS-809: Pollution Prevention and Control- Garbage

Course Description:

This course is designed to provide maritime professionals with knowledge and skills in preventing and controlling garbage pollution from ships. Participants will learn about the sources and effects of marine pollution, , and best practices for garbage management on board.

The Course:

- Follows the regulatory frameworks of MARPOL Annex V.
- Addresses the RiSQ 3.0 Section 5: Pollution Prevention and Control 5.3-5.9 & 5.18-5.20

DBMS-810: Pollution Prevention and Control- Ballast Water

Course Description:

This course provide knowledge and skills in the management and control of ballast water to prevent marine pollution, ballast water treatment technologies, and the development and implementation of ballast water management plans. The course covers regulatory compliance, inspection procedures, and the application of various ballast water treatment methods.

The Course:

- Follows the regulatory frameworks of IMO Ballast Water Management Convention (BWMC) 2004 and the U.S. federal requirements
- Addresses the RiSQ 3.0 Section 5: Pollution Prevention and Control 5.10-5.12 & 5.24-5.26

DBMS-811: Safety Culture improvement

Course Description:

This course provide knowledge and skills necessary to develop and enhance a strong safety culture on board ships. Participants will learn about the key concepts of safety culture, the role of human error, and the importance of behavior-based safety (BBS). The course covers techniques for measuring and modifying behavior, leadership's role in promoting safety culture, and the application of best practices.

The Course:

- Follows ISM Code as part of the Chapter IX SOLAS Convention.
- Addresses the RiSQ 3.0 Section 4: ISM System 4.1;4.3;4.4; 4.10; 4.38; 4.43

DBMS-812: Safety Management System: Firefighting on Drybulk vessels

Course Description:

This course offers training on ship-specific fire safety measures, focusing on SOLAS requirements and operational procedures. Participants will learn to identify fire hazards, understand the fire control plans, and fire detection systems, firefighting equipment, and life-saving devices. The course also covers practices, such as emergency fire pump testing, portable extinguisher applications, and the operation of emergency escape breathing devices (EEBDs).

The Course:

- Follows ISM Code as part of the Chapter IX SOLAS Convention.
- Addresses the RiSQ 3.0 Section 4: ISM System 4.15, 4.22-4.33, 4.38, 4.40

DBMS-813: Safety Management System: Personal Safety and Lifesaving Appliances

Course Description:

This course focuses on enhancing the wellbeing and safety of seafarers, emphasizing its crucial role in ship safety and efficient operations. Participants will explore key concerns affecting crew welfare, such as onboard tensions, health outbreaks, and their impact on morale and performance. The course covers personal safety measures, the proper use of PPE, and emergency procedures, including Muster Lists and survival techniques.

The Course:

- Follows ISM Code as part of the Chapter IX SOLAS Convention.
- Addresses the RiSQ 3.0 Section 4: ISM System 4.11, 4.18-4.21, 4.35-4.37, 4.42

DBMS-814: Safety Management System: Safe Working Practices

Course Description:

This course is designed to provide knowledge and skills to ensure safe working practices on board. Participants will learn about occupational safety and health, and control of hazards, job safety analysis, and the use of personal protective equipment (PPE). The course covers safe practices for welding and gas burning, enclosed space entry procedures, and the importance of drills, training, and ship familiarization to maintain a safe working environment.

The Course:

- Follows ISM Code as part of the Chapter IX SOLAS Convention.
- Addresses the RiSQ 3.0 Section 4: ISM System 4.5-4.9, 4.11-4.14, 4.16-4.17, 4.34, 4.41, 4.43

DBMS 815: Safety Management System: Lifesaving Appliances

Course Description:

This course provides comprehensive training on the operation, maintenance, and safety of lifeboats, liferafts, and life-saving appliances (LSA) used at sea. Participants will learn about the different types of lifeboats and liferafts, their equipment, and the methods for launching and maintaining these life-saving devices. The course also covers the dangers associated with on-load release mechanisms, proper maintenance procedures, and the servicing intervals for liferafts and other LSA equipment.

The Course:

- Follows ISM Code as part of the Chapter IX SOLAS Convention.

- Addresses the RiSQ 3.0 Section 4: ISM System 4.5, 4.11

DBMS-816: Security management

Course Description:

This course is designed to provide knowledge and skills in security management on board ships. Participants will learn about the development and implementation of a Ship Security Plan, security assessments, and responsibilities. The course covers ISPS audit requirements, security training for crew, access management, stowaway management, risk management for High-Risk Areas (HRA), and contingency planning for piracy and other threats.

The Course:

- Follows IMO-SOLAS chapter XI-2: International Ship and Port Facility (ISPS) Code
- Addresses the RiSQ 3.0 Section 12: Security - 12.2

DBMS-817 Prevention of Air Pollution by EGCS - Scrubbers

Course Description

This course provides training on the use of Exhaust Gas Cleaning Systems (EGCS), commonly known as scrubbers, to prevent air pollution from ships. Participants will learn about the regulatory requirements, types of scrubbers, and their operational and safety features. The course covers the environmental and economic impacts of scrubbers, maintenance procedures, and recent advancements in exhaust gas treatment technologies.

The Course:

- IMO Regulation 14 of MARPOL Annex VI and 2021 Guidelines for Exhaust Gas Cleaning Systems
- Addresses the RiSQ 3.0 Section 5: Pollution Prevention and Control 5.23; Sec 13: Machinery Space 13.33

DBMS-818-Fleet Operations and Energy Management

Course Description:

Focuses on the broader scope of energy management across fleets, integrating shipboard energy efficiency strategies into larger operational frameworks.

The Course satisfies the following requirements:

- a. RightShip RiSQ3.0- Section 13: Machinery Space 13.3 and and Section 5: Pollution Prevention and Control Sec 5- 5.21, 5.22
- b. STCW: Regulation III/2, III/3.