



## LIST OF E-LEARNING MODULES

SEPTEMBER 2021

Total No. of Modules: 192 Estimated Learning Minutes: 4,601

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<b>Bulk Carrier Series</b>	
<b>BC1.0: International Maritime Solid Bulk Cargoes (IMSBC) Code</b>	
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BC1.2 International Maritime Solid Bulk Cargoes (IMSBC) Code - Part Two	23
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BC1.3 International Maritime Solid Bulk Cargoes (IMSBC) Code - Part Three	19
<ul style="list-style-type: none"> <li>Sampling of Solid Bulk Cargoes</li> <li>Vessel Trimming Procedures</li> <li>Tests for Angle of Repose for Solid Bulk Cargoes</li> <li>Solid Bulk Cargoes that may Liquefy</li> </ul>	
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<b>BC2.0: Code of Practice for the Safe Loading &amp; Unloading of Bulk Carriers (BLU Code)</b>	
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<ul style="list-style-type: none"> <li>Introduction and Purpose</li> <li>Definitions</li> <li>Responsibility of the Ship's Crew / Shipowner</li> <li>Responsibility of the Terminal</li> </ul>	



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**Bulk Carrier Series**

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- Fender Considerations
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- Chocks
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- Hose Limitations, Flow Velocities, Pressure and Handling
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## MINUTES

### Case Study Series - Videos

A series of case studies based on actual incidents. Each case study is comprised of a re-enactment followed by an analysis of what went wrong, with guidance on best practice.

#### **CS1.0: Quatsino Sound**

**24**

This case study, based on a real incident, brings the viewer into the accident investigation room and then onto the bridge as the young inexperienced Master, under pressure from an overbearing, senior pilot, agrees to leave port taking a route he had not previously planned to take. The Pilot wanted to save time for his own reasons, but as will be seen, the outcome not only caused delay, but also damage to both ship and the careers of those responsible.

#### **CS2.0: The Turn**

**20**

This case study is based on a real incident involving a ship approaching a container port in the U.K. with an experienced pilot “going it alone” conning the vessel in a narrow channel. The ship ran aground as the Master and other members of the Bridge Team stood back and watched it happen.

#### **CS3.0: Contact**

**24**

This case study is developed around the causal factors that have been identified in accidents involving two ships in the approaches to a port. It highlights the importance of communication both on the bridge of each ship and between ships, as well as the dangers related to pilots agreeing to collision avoidance manoeuvres with another vessel in a language not understood by the ship’s Bridge Team.

#### **CS4.0: Case of the Silent Assassin**

**25**

This Case Study is based on a real event involving entry into a cargo tank in a chemical tanker. It covers the hazards, and dangers of taking short cuts, emphasizing the need to follow proper enclosed space entry procedures at all times. The limitation of filter masks in oxygen deficient atmospheres is also featured.

#### **CS5.0: Case of the Invisible Assassin**

**27**

This Case Study is based on a real event involving entry into the access well of a hold carrying coal, by cargo inspectors. The well was not considered to be an enclosed space due to its small size, and so no precautions were taken or procedures followed, with fatal consequences.



## MODULES CURRENTLY UNDER DEVELOPMENT

### Environmental, Health and Safety

#### **EHS1.0: Permit to Work System**

##### EHS1.1 Definitions and Accountabilities

- Purpose and Scope
- Accountabilities
- Training and Competence

##### EHS1.2 Permit to Work

- Learning Outcomes
- Overall System Description
- Hot Work Permit
- Cold Work Permit
- Confined Space Entry Certificate
- Energy Isolation
- Inhibits/Overrides
- Subsea Operations Permit

##### EHS1.3 Tool Box Talks

#### **EHS2.0 The International Safety Management Code**

##### Part A

#### **EHS3.0 Near Misses**

- What are “unsafe conditions”, “unsafe acts” and “near misses”.
- Near Miss Case Studies

#### **EHS4.0 Pilot Ladders**

- Construction and maintenance of pilot ladders and equipment
- Safe rigging and use of Pilot Ladders

#### **EHS5.0 Behavioural Safety**

#### **EHS6.0 Working at Height**

#### **EHS7.0 Manual Handling and Ergonomics**

#### **EHS8.0 Housekeeping - Slips Trips and Falls**

#### **EHS9.0 Heat Stress**

#### **EHS10.0 Hands and Fingers Safety**

### Marine Engineering Series

#### **EHS8.0 Exhaust Gas Scrubbers**

- Open Loop systems
- Hybrid Systems
- Closed Loop Systems



## Navigation Series

### **N2.0 Navigating In Ice**

- Ice -classed ships
- Polar Code
- Practical matters from experience

## Business Law and Commercial Knowledge Series

### **BL2.0 SIRE and TMSA**

- Understanding SIRE
- Understanding TMSA