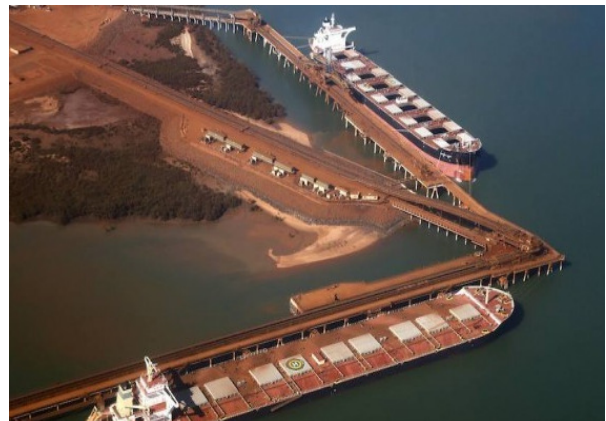


“SAFE HANDLING OF SOLID BULK CARGOES”

TRAINING COURSE

1. AIM

The overall aim is to further improve the knowledge and skills of Masters and Deck Officers employed on bulk carriers to understand the dangers that may occur in the process of loading, carriage at sea and discharging of solid bulk cargoes and help them to successfully plan, conduct and monitor cargo operations.



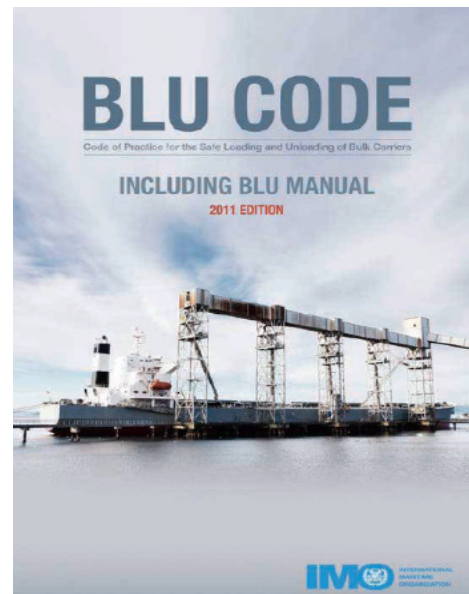
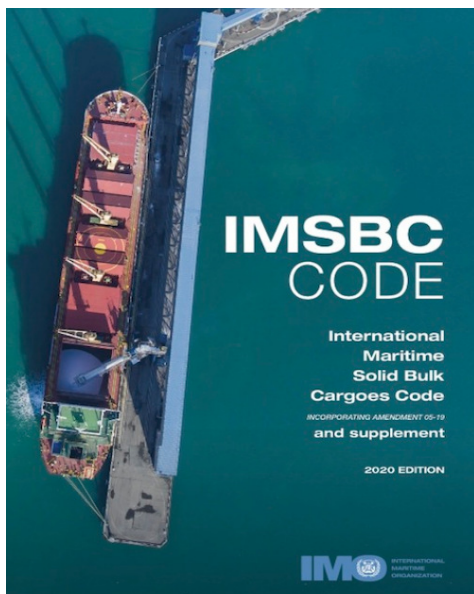
2. LEARNING OBJECTIVES

The trainees, on completing the course, will be able:

- to assess the acceptability of consignments for safe shipment, especially Group A cargoes,
- to identify risks associated with the carriage of solid bulk cargoes and implement measures relating to the preparation of cargo holds, the stability of the vessel, the monitoring of cargo holds' atmosphere and the management of residues or cargo hold washing water,
- to observe safe working practices in the loading and carriage of solid bulk cargoes, and,
- to supervise the operations of certain cargoes in compliance with the requirements of the IMSBC Code.

3. TIME SCHEDULE

| Time | Topics |
|---------------|---|
| 09:30 – 09:45 | Learning Objectives |
| 09:45 – 10:30 | General Features of Bulk Carriers Design, Construction, Machinery |
| 10:30 – 11:00 | Key Regulations SOLAS, Chapter XII, BLU Code, IMSBC Code International Grain Code |
| 11:00 – 12:00 | An Overview of Solid Bulk Cargoes Groups A, B, C, High Density Cargoes Acceptability for safe shipment, Cargo Declaration Form Sampling and Methods |
| 12:00 – 12:30 | Coffee Break |
| 12:30 – 14:30 | Handling of Cargoes Coal, Pet coke Iron Ore/Iron Ore Pellets, DRI Cargoes Fertilizers, Other cargoes |
| 14:30 – 15:00 | Coffee Break |
| 15:00 – 16:00 | Practice Preparation of Loading Plan Loading Instrument Calculations |
| 16:00 – 16:30 | Closing – Discussion |



4. TEACHING AIDS

- **Draft IMO Model Course “Safe Handling and Transport of Solid Bulk Cargoes”**
- **Code of Practice for the Safe Loading/Unloading of Bulk Carriers - BLU Code A.862(20).**
- **SOLAS Chapter XII “Additional Safety Measures for Bulk Carriers”**
- **International Maritime Code for Solid Bulk Cargoes – IMSBC Code, MSC.268(85).**
- **International Grain Code, MSC.23 (59).**

