

Advanced Cargo Handling & Stowage (Management Level) **(STRCTR-13)**

Course Length

36 hours (1 week)

Objective

Each student who successfully completes this course will be knowledgeable of and have proficiency in cargo handling and stowage at the management level and demonstrate competence in the following areas:

Plan and ensure safe loading, stowage, securing, care during the voyage and unloading of cargoes

- Knowledge of and ability to apply relevant international regulations, codes and standards concerning the safe handling, stowage, securing and transport of cargoes
- Knowledge of the effect on trim and stability of cargoes and cargo operations Use of stability and trim diagrams and stress-calculating equipment, including automatic data-based (ADB) equipment, and knowledge of loading cargoes and ballasting in order to keep hull stress within acceptable limits
- Stowage and securing of cargoes on board ships, including cargo-handling gear and securing and lashing equipment
- Loading and unloading operations, with special regard to the transport of cargoes identified in the Code of Safe
- Practice for Cargo Stowage and Securing
- General knowledge of tankers and tanker operations
- Knowledge of the operational and design limitations of bulk carriers
- Ability to use all available shipboard data related to loading, care and unloading of bulk cargoes
- Ability to establish procedures for safe cargo handling in accordance with the provisions of the relevant instruments such as IMDG Code, IMSBC Code, MARPOL 73/78 Annexes III and V and other relevant information
- Ability to explain the basic principles for establishing effective communications and improving working relationship between ship and terminal personnel

Assess reported defects and damage to cargo spaces, hatch covers and ballast tanks and take appropriate action

- Knowledge of the limitations on strength of the vital constructional parts of a standard bulk carrier and ability to interpret given figures for bending moments and shear forces
- Ability to explain how to avoid the detrimental effects on bulk carriers of corrosion, fatigue and inadequate cargo handling

Carriage of dangerous goods

- International regulations, standards, codes and recommendations on the carriage of dangerous cargoes, including the International Maritime Dangerous Goods (IMDG) Code and the International Maritime Solid Bulk Cargoes (IMSBC) Code
- Carriage of dangerous, hazardous and harmful cargoes; precautions during loading and unloading and care during the voyage

This Course is USCG Approved and STCW Compliant. The course certificate will state:

"This course is hereby recognized as a Coast Guard Approved Training Course as outlined in Subpart D of Part 10, Title 46, Code of Federal Regulations. Any applicant who has successfully completed our Advanced Cargo Handling & Stowage at the (Management Level) (STRCTR-13) course will satisfy the Cargo Handling and Stowage at the Management Level training requirements of the STCW, as amended 2010, Table A-II/2 and the following Tasks from the National Assessment Guidelines NVIC's 10-14 and 11-14: 11.1.A, 11.1.B, 11.4.B, 11.4.C, 11.4.D, 11.5.A, 11.5.B, 11.5.C, 11.5.D, 11.5.E, 11.6.A, 11.6.B, 11.6.C, 11.6.D, 11.7.A, 11.8.A, 11.8.B, 11.9.A, 12.1.A, 13.1.A, 15.1.A, 15.1.B, 15.1.C, 15.2.A, 15.4.A, 15.4.B, 15.4.C, 15.4.D, 15.4.E, 15.4.F, 15.4.G, 15.6.A, 15.6.B, 15.7.A, 15.8.A, 16.2.A and 16.3.A. Applicants who have successfully completed our course need not present completed "Task Control Sheets" for these assessments in application towards STCW certification."

Scope

This is a classroom course that is intended to meet the Advanced Cargo Handling & Stowage at the (Management Level) training requirements as listed above in the USCG Approved and STCW Compliant Course Certificate section.

Entry standards/Prerequisites

This course is open to students who have a need for such training as required by the United States Coast Guard and STCW as amended. Each student should have an STCW Certification as an "Officer-in-Charge of a Navigation Watch" or have an equivalent and experiential background, be in good physical health and speaks and understands English.

Teaching Facility

STAR Center, Dania Beach, Florida