

# LIQUID CARGO & BALLAST HANDLING SIMULATOR (MANAGEMENT LEVEL)

## INTRODUCTION

This DG Shipping approved course covers the training recommended in the IMO Model Course 2.06 and fulfills the training requirement for officers at the Management Level, specified in Table A-II/2 of STCW Code 1995 & section A-V/1 concerning Liquid Cargo handling procedures.

The course is essentially a practical one and consists of a series of exercises structured around the operation of the cargo and ballast installation for deck officers of an oil tanker and carried out in conjunction with a simulator.

## OBJECTIVE

The trainee who successfully completes this course will have gained experience in handling various Liquid Oil cargoes and will make a more effective contribution to the safety of the ship in normal and emergency situations. In particular, trainees will gain:

1. Operation of Cargo handling machinery.
2. An understanding of the need for segregating these cargoes and the dangers when handling (Loading, unloading and Tank cleaning) these hazardous cargoes.
3. Planning of cargo and ballasting Operations with all aspects of Stability and Stress calculations.
4. A greater understanding of efficient cargo operation keeping procedures and teamwork during watch keeping and cargo handling, in normal and in emergency situations.

## DETAILS

Duration	: 5 Days
Eligibility	: CoC Holders + TASC0 + AFF
No. of Participants	: 6
Course Facilitator	: Experienced Master Mariners /Chief Engineers, Management Experts & Marine Psychologist
Course Venue	: ARI, Delhi



## FEATURES

The following Features are included as standard in the simulator:

1. The mathematical model (MM) utilizes the strength
2. Features of the vessel for draught list and trim stability and stress Calculations.
3. Cargo Control Room (CCR) & Loadicator
4. Cargo Systems, Tank Vent System & Ballast system
5. Crude Oil washing (COW) system & Tank Water
6. Washing
7. ODMC and Stripping system
8. Inert Gas (IG) system
9. Cargo heating system
10. Alarms & Alarm History
11. Shore Control System
12. Faults Creation/Type and Indication
13. Cargo handling facilities in normal and emergency Modes

The major advantage of a liquid cargo handling simulator is the ability to train ships management level officers in the use of oil tanker facilities safely so as to prevent oil pollution by the ship. In addition, the simulator can be used for specialized training of tanker personnel in charge of cargo handling operations.

For Course Booking and Schedule at Delhi Centre, please email us at [coursebookings@ariworld.com](mailto:coursebookings@ariworld.com)

Companies can opt for Block Booking.

For more information email us at [info@ariedu.com](mailto:info@ariedu.com)