

Certificate No.:
Registration Number:

CERTIFICATE OF COMPLETION
(NMC Course No: 12)
(DWT 200K & above)

This certificate is issued to

Has successfully completed the following training course on:

BULK-CARRIER SHIP HANDLING TRAINING
(FOR VESSELS OF 200,000 DWT AND ABOVE)

Summary Contents:

- Training was conducted on Class A Bridge Simulator Certified by DNV
- Ship Handling Training on JMS full Mission Simulator
- Briefing on Case Study
- Discuss controllable & uncontrollable ship handling forces
- Discuss pressure/suction effect on ship's manoeuvrability during berthing operation & in shallow water, and interaction between vessels
- Pivot Point and Center of Resistance
- Rudder & Propeller effectiveness
- Berthing with tugs
- Berthing in wind and current
- Demonstration of Emergency unberthing
- Bollard pull to compensate for wind & current

Capt. Eliseo Z. Clemente Jr.
General Manager

