



# **MO040:**

## **Tanker & Marine Terminals:**

### *Operations, Charter Parties, Laytime, Demurrage, Loss Control, Audits, Rules & Regulations*

## Training Description:

The domestic and international rules governing the qualifications for personnel serving on tank vessels have changed in recent years and the operation of marine terminals has become more socially and environmentally sensitive. Accidents, the potential for accidents and the extreme consequence that can result for operating companies has heightened the need not only for effective operations but a need to be able to show that operations meet international best practice.

This intensive training course addresses some of the serious, often complex issues facing the industry today and details practical areas of ship operations and will concentrate on tanker operations, tanker charter parties, laytime and demurrage, petroleum cargo loss control, terminal operations audits and marine rules and regulations.

The course will also provide an excellent practical review of tanker operations without being loaded down with excessive technical detail. It details tanker types, sizes, uses and design of tank vessels; cargo and classification methods; tanker route planning and navigation; tanker cleaning practices and procedures; cargo planning, operations and measurement; and maintenance practices. Further, the relative laws, regulations, and regulatory bodies and industry organizations will also discuss such as IMO, API, ISO, ASTM, ISPS, etc. The basics of charter parties, worldscale and vessel performance will also be covered during the course.

## Training Objectives:

**By the end of the training, participants will be able to:**

- ✓ Apply systematic techniques in tanker and marine terminal operations, charter parties, laytime, demurrage, loss control, audits, rules and regulations
- ✓ Identify the types, sizes uses and design of tank vessels, types of cargo and classification methods
- ✓ Employ tanker cleaning practices and procedures, cargo measurement, cargo lightering and maintenance practices
- ✓ Recognize the types of tankers' charter parties and discuss the chartering terms and definitions
- ✓ Apply tankers' vetting techniques, voyage cost structure, laytime calculation demurrage calculations and gain knowledge on worldscale and freight rates
- ✓ Discuss ship and shore measurement terms and definitions and the difference between static and dynamic measurement
- ✓ Illustrate petroleum loss prevention and petroleum loss investigations
- ✓ Apply inventory and custody transfer accounting, cargo reconciliation and voyage analysis
- ✓ Employ safety aspects and concerns
- ✓ Audit inventory control and losses, tank strapping and certification, environmental issues, handling of hazardous waste in storage tanks, leak detection and prevention, soil remediation, personnel training program, safety issues, security issues
- ✓ Gain knowledge on the industry acts, rules and conventions, ISPS code and other security issues, pollution laws and regulations

## Training Designed for:

This course is intended for marine operations managers, superintendents, supervisors, engineers and other technical staff.

## Training Requirement:

“Hand’s on practical sessions, equipment and software will be applied during the course if required and as per the client’s request.”

Contents can be adapted to your specific wishes. It is therefore possible to focus on specific modules of the training course as per client’s learning needs and objectives. Further, it should be forwarded to us a month prior to the course dates.

## Training Program:

### DAY ONE:

- ❖ PRE-TEST
- ❖ Introduction
- ❖ Tanker Operations
  - Types, Sizes, Uses and Design of Tank Vessels, Maritime terms and Definitions, Types of Cargo and Classification Methods
  - Tanker Route Planning and Navigation, Tankers’ Anatomy, Cargo Planning and Operations
  - Tanker Cleaning Practices and Procedures, Cargo Measurement
  - Cargo Lightering, Maintenance Practices

### DAY TWO:

- ❖ Tanker Charter Parties, Laytime and Demurrage
  - Types of Tankers’ Charter Parties, Chartering Terms and Definitions, Typical Charter Parties Clauses
  - Tankers Vetting Techniques, Voyage Cost Structure, Notice of Readiness Implications
  - Laytime Calculation, Elements of a Demurrage Claim, Investigating a Claim
  - Demurrage Calculations, Worldscale and Freight Rates, Disputes Arbitration and Litigation

### DAY THREE:

- ❖ Petroleum Cargo Loss Control
  - Ship and Shore Measurement Terms and Definitions, Static vs. Dynamic Measurement, Aspects of Measurement Accuracy
  - Petroleum Loss Prevention, Petroleum Loss Investigations, Inventory and Custody Transfer Accounting
  - Cargo Reconciliation and Voyage Analysis, Investigation Cases Documentation
  - Safety Aspects and Concerns, Legal Aspects of Custody Transfer

### DAY FOUR:

- ❖ Terminal Operations Audits
  - Regulatory and Industry Organizations, Inventory Control and Losses, Tank Strapping and Certification
  - Terminal Auditing – Compliance/Safety/Inventory, Environmental Issues, Handling of Hazardous Waste in Storage Tanks
  - Leak Detection and Prevention, Soil Remediation, Personnel Training Programs Safety Issues, Security Issues

#### ❖ Practical Sessions

- This hands-on and includes real-life case studies and exercises

#### DAY FIVE:

#### ❖ Marine Rules and Regulations

- Governing National and International Authorities, Industry Organizations (IMO, API, ISO, ASTM)
- Industry Acts, Rules and Conventions, Classification Societies
- Oil Spill Prevention and Cleanup, ISPS Code and other Security Issues
- Pollution Laws and Regulations, Future of Single and Double Hull

#### ❖ Course Conclusion

#### ❖ POST-ASSESSMENT and EVALUATION

### Training Methodology:

This interactive training course includes the following training methodologies as a percentage of the total tuition hours:

- 30% Lectures, Concepts, Role Play
- 70% Workshops & Work Presentations, Techniques, Based on Case Studies & Practical Exercises, Gamification, Software & General Discussions
- Pre and Post Test

### Training Certificate(s):

CMCT Internationally recognized certificate(s) will be issued to each participant who completed the course.

### Training Fees:

**TBA as per the course location** - This rate includes participant's manual, hand-outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Note: The 5% VAT (Value Added Tax), will be effective starting 01<sup>st</sup> of January 2018 as per the new regulation from the UAE Government. The VAT applies for all quotation both for local and abroad.

### Training Timings:

#### Daily Timings:

|               |                               |
|---------------|-------------------------------|
| 07:45 - 08:00 | Morning Coffee / Tea          |
| 08:00 - 10:00 | First Session                 |
| 10:00 - 10:20 | Recess (Coffee/Tea/Snacks)    |
| 10:20 - 12:20 | Second Session                |
| 12:20 - 13:00 | Recess (Prayer Break & Lunch) |
| 13:00 - 14:00 | Last Session                  |

#### For training registrations or in-house enquiries, please contact:

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