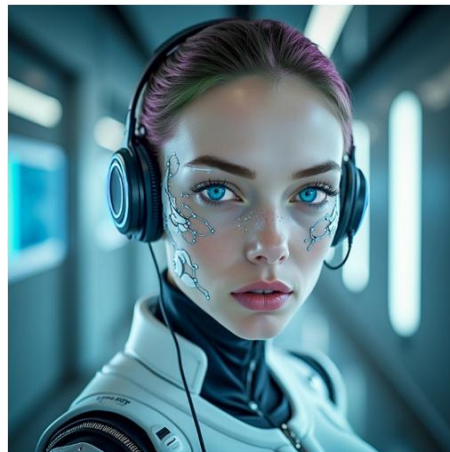## 2026 MARINE TERMINAL OPERATOR AND SUPERVISOR COMPETENCY – OCIMF – MTOCT Training Program

What is new for 2026?

Cassandra

'Only those systems that use optimal information can function. Let me test yours'

TTT funded the development of an Artificial Intelligence named 'Cassandra'. Based on The General Law of Functionality, Cassandra can detect knowledge gaps and test and predict HSEQ Performance and Operational Excellence. She acts as an Early Warning System preventing risk. This is a unique service only offered by us.

2026 MARINE TERMINAL OPERATOR AND SUPERVISOR COMPETENCY

According to the MTOCT 2013 *Marine Terminal Operator Competence and Training Guide* by OCIMF, TTT assists companies to observe, verify, train and test Operators and Supervisors.

There are three (3) competence levels on which each section of work and responsibility will be based.

1. **Awareness – A good understanding of what is involved**
   - Able to describe in basic terms the main features of each part of the job and its importance to the terminal's operation.
   - Able to recognize how and where competencies are relevant

2. **Knowledge**
   - Able to interpret and evaluate information and advice
   - Able to ask questions that test the viability of proposal associated with responsibilities
   - Where applicable, able to carry out all tasks required

3. **Skill**
   - Able to carry out the activities to required standard
   - Able to interpret applicable procedures and guidelines into practical actions
   - Able to solve common technical / operational issues
   - Able to propose refinements to operational practices and procedures
   - Able to mentor and supervise others in technical / operational aspects

To be able to safely and efficiently operate and run a liquid bulk marine terminal, the following competencies are required and tested by TTT. This course can be spread over several weeks or longer. Each competency can be learned and tested when people are prepared and ready.

Overview of the Competence Framework

Introduction to Terminal
   - Understanding Terminal Terminology
   - Understanding Terminal Equipment
   - Understanding Terminal and Port Procedures

Terminal Health, Safety and Environment Management

- Understanding the Terminal's HSE Management System
- Understanding general hazards

Security Management

- Understanding ISPS Code requirements
- Understanding security systems and requirements

Hazards of Products

- Understanding of hazards of products handled
- Understanding static hazards and control of static electricity

Introduction to Vessels

- Understanding Marine Terminology
- Understanding vessel mooring, cargo and ballast systems
- Understanding requirements associated with vessel's port call
- Understanding vessel's HSE management system

Pre-arrival Planning and Preparation

- Manage pre-arrival communications
- Undertake pre-arrival inspection
- Confirm arrangement of terminal facilities for transfer
- Ensure availability of personnel and services

Arrival

- Understand requirements for support craft
- Ensure mooring operations are conducted safely and efficiently
- Ensure safe access provided and maintained
- Organize pre-transfer conference with vessel personnel and implement ship/shore safety checklist
- Safely connects transfer equipment
- Connect umbilicals
- Ensure that transfer system is prepared for operation

Transfer

- Monitor the safety of the transfer operations
- Take samples at appropriate times

- Ensure the safety of additive / dosing operations
- Ensure the stopping of transfer

Post-Transfer

- Ensure safe completion of transfer operation

Emergency Response

- Demonstrate knowledge of Terminal's emergency response plans and procedures
- Demonstrate knowledge of vessel's emergency response procedures
- Understand ESD, Emergency Shutdown Procedure.

TTT will address these competencies to ascertain and achieve safe and efficient operational performance and excellence. If possible, we recommend that our trainer observes your people during operations, so we can check competencies in the field.

Course Instructor

Arend van Campen – Tank Terminal Training

Arend van Campen is a long-standing member of the Energy Institute with over 40 years of experience as CEO, Terminal Manager, Marine Cargo Expediter, and Loss Prevention Advisor across global operations. TTT is officially recognized as an Energy Institute Learning Affiliate.

Arend holds a PhD in Information Physics and promotes the principle that safe, sustainable, and profitable operations are only possible through ethical behaviour, continuous learning, and informed decision-making.

He is also the founder of www.sustenance4all.com which developed an Artificial Intelligence named Cassandra to test HSEQ functionality and operational performance.

We make people better!