

2024 TANKER JETTY SAFETY OPERATOR SHIP/SHORE INTERFACE CONTROL (2 days)



This course has been designed in cooperation with GALP in Portugal to help terminals implementing the ISGOTT Standard Operational Procedures described in Chapter 21, 22 and 25. It is also based on the Tanker Jetty Safety Publication 2021. At this moment in time there is a tendency to automate the SSSCL, but this can lead to : **Complacency: unawareness of actual dangers of deficiencies, which can become dangerous.**

This competency training allows for loading masters to be assisted by Jetty Safety Operators who have been taught the necessary awareness, knowledge and skills to manage and control the safety of the ship/shore interface in a professional manner. They are Assistant Loading Masters and are able to replace the Loading Master if and when needed. They are responsible for the ISGOTT SSSCL Physical Checks during transfer – part 8 & 9, because they are operating the Jetties.

COURSE OUTLINE – 2 day program for Jetty Safety Operator Control of Ship/Shore Interface

DAY ONE

Session 1 Morning

Introduction: How to prevent and control the various risks of the Ship/Shore Interface?

PRE-TRAINING TEST

We ask 10-15 questions to test existing knowledge in order to assess specific areas that need in depth coverage. Asking general questions related to JETTY operators duties, this allows customizing the training program to ascertain optimum benefit to the students.

Session 2

SHIP/SHORE INTERFACE

In order to understand and being able to professionally communicate, supervise and control the ship/shore interface, relevant technical and maritime terminology must be learned and understood.

TANKER JETTY SAFETY GUIDE, Energy Institute HM Guidelines

- **Chapter 1: Tanker Basics**
- Vessel and Barge dimensions, equipment and maritime terminology
- Quantity and Quality terminology
- Pumps & lines – deep well, pump room, understanding stripping and ballasting
- Tank Cleaning systems: understanding Crude Oil Washing (COW)
- Inert gas systems and requirements for loading or discharge
- Displacement, Draft, Trim, List, Deadweight, Q88
- Cargo inspection definitions
- Custody Transfer Measurement

Session 3**ISGOTT^{6th} EDITION 2020. INTERNATIONAL SAFETY GUIDE FOR OIL TANKERS AND TERMINALS**

Safety procedures and recommendations for tanker and terminal operations

- Human Factors (Chapter 7) and (BBS) Behaviour in Health, Safety, Environment and Social Responsibility
- Personal Protective Equipment (PPE)

Session 4 Afternoon**ISGOTT Chapter 21 & 25 MANAGEMENT OF THE TANKER AND TERMINAL INTERFACE**

- Communications: procedures & precautions
- Pre-Arrival, Pre-Berthing exchange of information
- Information from tanker to terminal
- Information from terminal to tanker
- Discuss Cargo load or discharge plan and Cargo Agreement (Role Play)
- Pre-transfer exchange of information

USING THE 2020 SHIP SHORE SAFETY CHECKLIST

- Ship-shore safety checklist – all questions made visible to understand technical details of equipment and their locations
- How to fill it in?
- Which questions are relevant?
- What to do when a situation is not covered by the checklist?

PROCEDURES FOR SAFE MOORING

- Safe Mooring procedures (ISGOTT) Jetties & SPM
- Preparation and verification of mooring
- Loading Master monitoring of moorings

Day TWO

Session 5 Morning

CARGO Handling – ISGOTT Chapter 1, Hazards of Petroleum. During this session, we will look at ISGOTT and the TANKER JETTY SAFETY GUIDE concerning the risks and control of the Ship/Shore Interface.

ISGOTT 6

- Chapter 4: Managing Hazards and Risks for Ships and Terminals
- Chapter 5: Fire Protection
- Chapter 20: Emergency Preparedness

TANKER JETTY SAFETY GUIDE

- Chapter 2 : Port and Terminal Operations
- Chapter 5: Pre-Operations
- Chapter 6: Cargo-Operations
- Chapter 9: Post Cargo Operations – Time Keeping and Terminal Feedback

Session 6 Morning/Afternoon

Visiting a Tanker (if possible) to learn ‘live’ about various tanker equipment and loading and discharging operations.

Session 7

REVIEW OF WORKSHOP MATERIAL

- Discussion on workshop subjects
- Pre-examination questions and answers session
- The value of being a member of the Energy Institute

Session 8 Afternoon

SHORT TEST FOR JETTY OPERATOR CERTIFICATION

Students are required to manage all Jetty ship/shore interface duties in order to pass the test.

Session 8

REVIEWING TEST RESULTS AND CLASS DISCUSSION OF EXAMINATION ANSWERS

- Awarding of Jetty Operator Certificates of Competence



Course Instructor: Arend van Campen, Tank Terminal Training

Arend van Campen is member the Energy Institute. Arend has worked for over 35 years as a CEO, Terminal Manager, Marine Cargo Expediter and Loss Prevention Advisor around the globe. TTT has been officially recognized by the Energy Institute as a Learning Affiliate. Arend holds a Master's degree in Business Ethics & Social Responsibility and teaches that a safe, sustainable and profitable business can thrive only when people choose and act ethically and are willing to learn. He set up www.sustenance4all.com, a thinktank researching sustainable business design to ensure human well-being and the preservation of the environment.