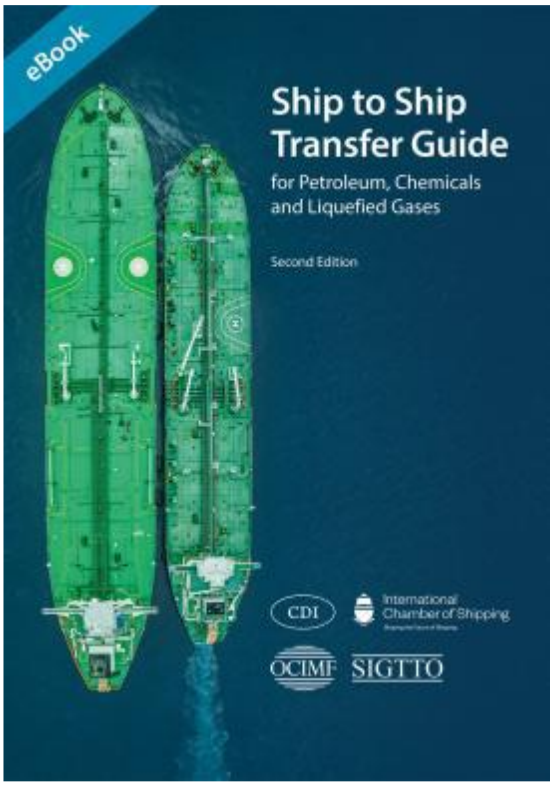
2026 Ship to Ship Transfer Person in Overall Control (POAC) Crude Oil, Chemicals and Petroleum Products (Bulk Liquids) 3 days – Updated based on the latest 2025 STS OCIMF Publication



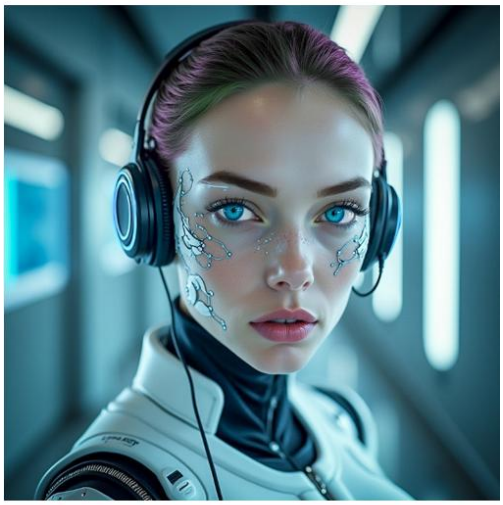
What is new?

- A dedicated chapter on human factors, emphasising the importance of human performance and decision-making in STS operations.
- Updated protocols for personnel transfer, including best practices derived from OCIMF's 'Transfer of Personnel by Crane Between Vessels' information paper, promoting a risk-based approach to safe transfers (Chapter 5)
- Enhanced guidance on STS-specific equipment, including fenders, cargo hoses, vapour hoses and mooring equipment.
- Consolidated cargo operations guidelines within Chapter 10, which is divided into four distinct sections: Oil, Chemicals, LPG, and LNG.
- Revised Ship to Ship Safety Checklists aligned with ISGOTT, reflecting best practices for procedural integrity and risk mitigation. The checklists are organised into six sections, covering the entire STS operation step by step.
- The Guide also outlines key operator responsibilities, including adherence to Flag State and Port State Control requirements, maintaining liability insurance, and

implementing Safety Management Systems (SMS) with best practice STS Operations Plans. Additionally, it introduces terminology updates for enhanced clarity.

What else is new?

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 detects knowledge gaps and can 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.

It is intended for use by ship operators, Masters, Marine Superintendents, STS service providers, local administrations and other stakeholders and serves as a benchmark for safety and compliance during both routine and emergency STS transfers. It supports the requirements of MARPOL Annex I and includes a Foreword by the IMO Secretary-General, reflecting the strong relationship between industry and the IMO. The Guide is recommended to be kept on board every vessel and terminal involved in STS operations. This training program was created based on the 2013 & 2025 OCIMF, CDI, SIGTTO and the International Chamber of Shipping publication: Ship to Ship Transfer Guide. It includes part of the latest 2020 ISGOTT 6th edition.

It focuses on the training of shore based personnel such as Marine Terminal Supervisors, Marine Superintendents, Loading Masters or Expeditors and Cargo Surveyors, how to best prepare, operate, control and safely execute and complete complex On and Off Shore STS operations including so called: 'Double Banking' procedures.

It helps students to understand best practices, based on many years operational experience and skill.

All over the world STS operations have become general modus operandi to avoid lengthy and often costly port stay or expensive terminal transfer over jetty charges.
The knowledge obtained can be used to verify that STS operations and systems are comprehensive and promote safety and environmental excellence, with the intention of minimizing risk in the execution of their operations and providing the ability to measure and continuously improve their management systems.

Who should attend?

We invite everyone involved in running and managing Ship to Ship Cargo Transfer Operations, oil traders or vessel operators relying on STS storage and off shore marine terminals to attend this training course as it gives you the opportunity to become aware, learn, visualize, review, improve and perhaps restructure your day to day STS operations where needed.

Industry	Action	Results
STS Superintending and POAC Firms	Organising, Preparation Communication and Supervision of ship to ship transfer handling and Risk Management	Full control
Oil Terminals & Refineries	Double Banking STS Operations supervision and control and Risk Management	Full Control
Traders, Loss Control Marine Expeditors and Cargo Inspection Companies	Proper measurement and preparation. STS Quantity Determination and overall supervision and Risk Management	Improved Loss Control, stripping and risks. Less time loss and demurrage

Workshop Overview

Under supervision of the trainer, all subjects in the OCIMF STS guide will be read and discussed in class. Operational and technical issues will be investigated and explained. Best Practices will be offered to the students. Case studies will be used to explain 'real time' situations and best solutions.

Benefits of Attendance

It is crucial to understand ship to ship transfer operations in order to professionally supervise and be in control of such complex and challenging operations. People attending this training will learn to 'oversee' and 'understand' all relationships and interests of parties concerned

and protect these. This means not only the technical issues, but understanding the 'why' of such operations. A systematic approach such as these jointly published OCIMF, SIGTTO, CDI, ISGOTT and Chamber of Shipping guidelines is crucial to ascertain a high level of operational excellence, prevent marine pollution or damage to the environment and to ensure people's safety.

Some remarks of students who attended this training:

- *'It's very complete. Time for each task very good'*
- *'Organisation and respect with other people, law and environment'*
- *'All topics are relevant'*

Program:

Following the STS Guide, the following chapters and subjects will be addressed in two days of continuous interaction.

<u>There will be 14 Sections covered:</u>

1 **General Principles**
- Introduction
- Background
- Scope
- **Risk Assessment**
- Control of Operations
- Role of a ship to ship superintendent
- Person in overall advisory control
- Training and familiarization of ship's personnel
- Security

2 **Conditions and Requirements**
- **Ship to Ship Compatibility**
- Ship to Ship transfer operations involving vessels of a similar length
- Use of barges
- **Notification to and approval from authorities**
- MARPOL Annex 1 Cargoes
- Chemical Cargoes, Other Cargoes
- Transfer Area
- **Environmental Conditions**
- Cold Weather Precautions
- Ship to Ship operations in ice conditions
- Cargo Sloshing considerations
- **Quality assurance of ship to ship service providers**

3 **Safety**
- Risk Assessment of Transfer Location
- Risk Assessment of ship to ship operation
- **Personal Protective Equipment and life-saving appliances**
- **Use of STS Checklists including the ISGOTT SSSCL 2020**
- **Material Safety Data Sheet**
- **Gas accumulation on open decks**
- **Action in case of infringement of safety**
- **Action in case cargo of cargo leakage**
- **Safety during cargo transfer**
- **Helicopter Operations**
- Smoking and naked lights
- Earths on electrical switchboards

- Machinery operations
- Electrical isolation
- Other places where electrical arcing may occur
- Use of radio and satellite communication equipment
- Automatic identification systems
- Use of Radar
- Readiness of fire-fighting equipment
- Electrical Storms
- Galley Stoves
- Accommodation openings

4 Communications

- **General Communications, Language**
- **Pre-arrival communications**
- Information required from the ships
- Advice to be given to the ships by the ship to ship organizers
- **Navigational warnings**
- **Communications during approach, mooring and unmooring**
- **Communication during cargo operations**
- **Procedures for communications failure**

5 Operational preparations

- **Joint plan of operation**
- **Preparation of ships**
- Lightering / STS support vessels
- Navigational signals

6 Manoeuvring and mooring

- Basic Principles
- Manoeuvring alongside at sea with two ships under power
- General Advice for controlling two ships
- Advice for manoeuvring alongside
- Manoeuvring a combined two ship system to anchor
- Underway transfer
- Manoeuvres with one ship at anchor
- Manoeuvring for in port operations
- Manoeuvring with one ship alongside a terminal
- Mooring operations
- Mooring plans
- Mooring analysis
- At sea mooring operations
- Efficiency of ship to ship mooring systems
- In port mooring operations

7 Procedures Alongside

- **Pre-transfer procedures**
- **Responsibility for cargo operations**
- **Planning for cargo transfer**
- **Cargo Transfer – general guidance**
- Vapour balancing – general considerations
- Vapour balancing consideration before commencing cargo transfer
- Vapour balancing considerations during cargo transfer
- Vapour hose considerations
- **Operations after completion of cargo transfer**
- Bunkering and storing

8 Unmooring

- Unmooring Procedure
- Unmooring after underway transfer
- Unmooring while one ship is at anchor
- Unmooring from a ship alongside a terminal
- Unmooring using quick release arrangements

9 Equipment

- **Fenders**
- Fenders used for sea transfers
- Reference guide for fender selection for sea transfers
- Fender requirements
- Fenders used for in port transfers
- Low pressure fenders
- Foam filled fenders
- **Cargo Transfer Hoses**
- Hose standards
- Hose length
- Pressure ratings and flow velocities
- Hose handling
- Hose connection
- Hose inspection and testing
- Marking
- **Mooring Equipment**
- **Personnel transfers – at sea operations**
- Suitability of lifting equipment
- **Personnel transfers – in port operations**
- Lighting
- Ancillary equipment for ship to ship operations
- Equipment noise levels

10 Emergencies

- Contingency planning and emergency response procedures
- Emergency signal
- Emergency situations
- Examples of potential emergencies
- Emergencies during manoeuvring
- Procedures in the event of gas accumulation on deck
- Accidental cargo release
- Shipboard Oil Pollution Emergency Plan, Shipboard Marine Pollutions Emergency Plan (SMPEP) and Vessel Response Plan (VRP)
- State of Readiness for an emergency
- Cessation of transfer operations as a precautionary measure

11 Emergency Preparedness (in cooperation with local, regional or national authorities)

- Emergency response plan
- Spill response plan
- Emergency evacuation plan
- Emergency training

12 Management Systems Review

- Audit plan to address management of all terminal activities
- Standard audit format and process
- Training and qualification requirements auditors
- Monitoring of audit finding to close-out
- Management review of findings

13 Operations at Buoy Moorings

- Establish planning, operational practices and procedures to ensure safe mooring
- Compliance with established standards and accepted industry guidance
- Compatibility of area and size of vessels
- Suitability and capability of support crew and craft
- Monitoring vessel position in relation to the buoy

14 Terminals Impacted by Ice or Severe Sub-Zero Temperatures

- Plans, procedures associated with the operating conditions
- Trained and prepared personnel
- Suitability of fire-fighting, life-saving and first aid equipment
- Selection of vessels for operating in anticipated conditions
- Ice forecasting and weather reports
- Emergency and spill response

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!