Marine Terminal Information System (MTIS)

OCIMF

What is MTIS?

Developed to fill the gaps in international standards for terminals, the goal of the Marine Terminal Information System (MTIS) is to ensure that all oil and gas terminals worldwide reach a common high standard of safety and environmental protection.

MTIS was launched in 2011, with the objective of compiling a comprehensive database of relevant information for all the world's 4,000+ oil and gas terminals – from the hardware available, to berth measurements and transfer rates. MTIS complements similar programmes OCIMF provides to improve ship safety and environmental protection: The Ship Inspection Report Programme (SIRE) and the Offshore Vessel Inspection Database (OVID).

Having accurate and comprehensive terminal information is essential to:

- Ensure ships and terminals are compatible.
- Enhance operational efficiency and reliability.
- Prevent incidents that may harm people or the environment.

How does it work?

Terminal Operators upload information about their terminal and berths to the central database using pre-determined data fields. Ship operators, visiting the terminal, can then access the database to perform ship-to-shore compatibility and other safety related checks.

All terminal information is completed and maintained by the terminal management themselves to ensure information remains correct and up-to-date.

The MTIS database is free to use for both terminal operators and other data users.

MTIS account

There are two main types of MTIS account: Terminal Operator and Data User.

Terminal Operator

A Terminal Operator account is for users who have one or more terminals they wish to register on MTIS in order to share their terminal details with MTIS terminal users worldwide.

Data User

A Data User account is for users who wish to download terminal information to check facilities available and to ensure vessel compatibility. Data Users may also access *Marine Terminal Management and Self Assessm*ent *(MTMSA)* information, if the terminal provides approval to share this information.

MTIS documents

The MTIS documents help us collect information in a common format, using consistent units of measurement:

Marine Terminal Particulars Questionnaire (MTPQ)

The MTPQ captures all relevant terminal information, making it easier and simpler for vessel programmers, schedulers and terminal operators to share information and assess the suitability of the ship/shore interface.

Marine Terminal Management and Self Assessment (MTMSA)

The MTMSA is a best practice guide aimed at helping marine terminal operators assess and continuously improve their safety, reliability, efficiency and environmental performance.

Marine Terminal Operator Competence and Training (MTOCT)

The MTOCT guide helps marine terminal managers identify key competences and ensure the people operating the ship/shore interface have all the necessary skills, knowledge and experience.

Terminal Operators are able to update and amend their terminal details as required. The information can be shared with Data Users who are able to freely view/download the information in the PDF format, to ensure ship-to-shore matching.

The benefits of MTIS

For Terminal Operators

- Simpler, faster circulation of terminal information through a single central database.
- Enhanced demonstration of terminal capabilities through the MTPQ.
- Improved operational efficiency through quicker and more accurate matching of terminals and ships.
- Continuous improvement of safety management systems through best practice self assessment using MTMSA.
- A standardised approach to management system self assessment, building upon the philosophy proven in other OCIMF programmes.
- A secure process for sharing information that is owned and managed by the terminal operators themselves. Terminal operators retain full control over their data.
- Improved safety, reliability, efficiency and environmental standards, leading to fewer incidents.

For Data Users

- Simpler, faster collection of terminal information through a single central database.
- Enhanced understanding of a terminal's capabilities through the MTPQ.
- Improved operational efficiency through quicker and more accurate matching of terminals and ships.
- Improved safety, reliability, efficiency and environmental standards, leading to fewer incidents.

MTIS database

The MTIS database can be accessed around the world 24/7.

Data integrity

A set of validation rules ensure that the terminal and berth details provided are in a consistent and compatible format and that entries fall within an expected criterion.

Terminal Operators are encouraged to review their information regularly to ensure details remain correct and up-to-date.

A 'Report potentially false information' function allows registered MTIS users to alert OCIMF to possible data quality issues, enabling a degree of data cleansing.

Looking ahead

MTIS is becoming ever more established in the international maritime sector and now holds information on hundreds of terminals across the world.

Following user-led feedback and suggestions, further MTIS developments are planned over the next 12 months and a campaign is underway to further increase awareness of MTIS and encourage more terminals to join the global database.

Like the SIRE and OVID programmes, OCIMF members expect MTIS to go through a process of refinement and continuous improvement. Feedback is welcomed.

For more information, visit **www.ocimf.org/mtis** or email **MTISSupport@ocimf.org**.