

The international scheme for competency validation and certification
of personnel who work in explosive atmospheres.

Maritime Fuels (MTE_x01 - MTE_x04)



A competency certification for safe working with ships
using gas and low-flashpoint fuels.



This qualification (MTEx01 – MTEx04) has been developed for technicians and engineers working on vessels that use gas or low-flashpoint fuels such as LNG.

Based on requirements set out in the standards IEC 60079:14, IEC 60079:17, IEC 60092-502 and the IGF Code, this course is ideal for experienced technicians and engineers with relevant qualifications of any merchant or commercial vessels including cruise lines, bulk carriers, general cargo, container, and tankers that are powered with gas or low-flashpoint fuels such as LNG.

The IGF International Code of Safety for Ships using Gases or Low-flashpoint Fuels came into force in 2017, which included new training requirements for crew. The International Convention for the Safety of Life at Sea (SOLAS) was also amended to require compliance with the IGF code.

Part 502 of IEC 60092 relates to electrical installations in tankers carrying liquids which are flammable, either inherently, or due to their reaction with other substances, or flammable liquefied gases.

The Maritime Fuels course aims to support the maritime sector with the transition from heavy fuel oil (HFO) to liquefied natural gas (LNG) and has been developed in partnership with The Southampton Engineering Training Association (SETA), an engineering training provider.

Qualification details

Candidates who are successful in the Maritime Fuels assessment will receive a **CompEx Certificate in Core Competence**.

Attendees

This course is suitable for engineers and technicians who are responsible for the maintenance and inspection of electrical systems and instrumentation within hazardous areas onboard vessels using gas or low-flashpoint fuels.

Entry requirements

- Practicing, competent and qualified electrical and instrument technicians.
- Electrical/instrument engineers with previous practical experience.
- Engineers or technicians with prior CompEx certification supported by employer sponsored letter.

Duration

5 days.

Delivery

This 5-day course includes:

- 3-days of guided learning (15-20 hours theoretical, practical 4-6 hours)
- 2-days of assessment

Assessment

Assessment covers all four separate work units.

- Practical assessment
- Online multiple-choice examination
- 60 questions
- 90 minutes

Key Learning Objectives

The Maritime Fuels qualification introduces the concept of maritime fuels and their relationship to the safe operation of equipment. Candidates that successfully complete MTEx01 – MTEx04 will be able to:

- Identify the correct regulations, codes and IEC standards which are applicable.
- Identify the correct criteria and descriptors used to classify a hazardous location onboard a vessel.
- Recognise the correct characteristics of common hazardous gases, vapours and dust discussed during the course.
- Understand and recognise the hazards specific to LNG.
- Apply the appropriate protection concepts to equipment selection, installation, maintenance and inspection.

For more course information

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