

Fundamentals Of Global Maritime Distress and Safety System (GMDSS)

11 – 15 July 2027
Cairo (Egypt)

UK Training

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Introduction

In today's maritime sector, communication and safety systems play a critical role in protecting lives, vessels, and operations at sea. These systems are no longer limited to regulatory compliance; they are essential tools for effective emergency response and operational reliability.

This training course is designed to provide participants with solid technical knowledge and practical skills in maritime communication, distress, and safety systems. It focuses on real operational needs and aligns with internationally recognized maritime safety regulations.

The program targets ship officers, marine engineers, vessel operators, and technical personnel who seek to enhance their professional competence in managing maritime communication and safety systems.

Delivered as an intensive five-day course, the program combines focused instruction, hands-on exercises, and realistic simulations to ensure meaningful learning outcomes within a streamlined timeframe.

Course Objectives

By the end of this course, participants will be able to:

- Understand the structure and purpose of maritime communication and safety systems.
- Operate maritime communication equipment effectively during normal operations and emergencies.
- Apply international maritime safety regulations in daily operations.
- Perform basic preventive maintenance and identify common technical faults.
- Coordinate efficiently during maritime emergency situations.
- Strengthen organizational and operational practices related to maritime communication systems.

Course Outlines

Day 1: Fundamentals of Maritime Communication and Safety

- Introduction to maritime distress, communication, and safety systems.
- Overview of international maritime safety conventions and regulations.
- Shipboard communication structure and crew responsibilities.
- Emergency preparedness principles and maritime risk assessment.

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Day 2: Maritime Communication Equipment and Systems

- Overview of maritime communication equipment and their functions.
- Short-, medium-, and long-range communication systems.
- Navigation warning and safety information reception systems.
- Distress alert and location identification devices.
- System integration and operational reliability.
- Practical exercises on equipment operation.

Day 3: Communication Operations and Distress Procedures

- Operating procedures for maritime communication systems.
- Safety communication protocols and distress alert handling.
- Communication management during emergency situations.
- Practical simulations based on real maritime scenarios.

Day 4: Maintenance and Emergency Response Management

- Preventive maintenance principles for communication systems.
- Identification and resolution of common technical issues.
- System readiness checks and performance verification.
- Emergency response coordination and rescue communication.
- Case studies from real maritime incidents and lessons learned.

Day 5: Integrated Practice and Final Assessment

- Full-scale emergency simulation exercises.
- Coordinated operation of maritime communication systems.
- Review of best operational practices.
- Final theoretical and practical assessment.
- Course completion certification.

Why Attend This Course? Wins & Losses!

- Gain focused, hands-on experience in maritime communication and safety systems.
- Develop practical skills applicable onboard vessels and in operations centers.
- Enhance professional credibility and career progression opportunities.
- Learn from experienced maritime safety and communication specialists.
- Improve operational safety and reduce maritime risks.
- Strengthen crew preparedness for emergency situations.

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A graphic of a chessboard with several chess pieces. A large gold king piece is in the foreground, with a silver pawn and a silver knight behind it. The board is checkered, and there are concentric circles in the background.

Conclusion

This five-day intensive training program offers a balanced combination of technical knowledge and practical application, enabling participants to manage maritime communication and safety systems with confidence and efficiency.

By the end of the course, participants will be fully prepared to operate communication systems, lead emergency responses, and maintain compliance with international maritime safety standards, making this program a valuable investment in maritime operational excellence.

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