COURSE OVERVIEW HE1952
SAR Mission Coordinator (IAMSAR Manual Vol II)

Course Title
SAR Mission Coordinator (IAMSAR Manual Vol II)

Course Date/Venue
Please refer to page 3

Course Reference
HE1952

Course Duration/Credits
Five days/3.0 CEUs/30 PDHs

Course Description

This practical and highly-interactive course includes real-life case studies and exercises where participants will be engaged in a series of interactive small groups and class workshops.

This course is designed to provide participants with a detailed and up-to-date overview of SAR Mission Coordinator (IAMSAR Manual Vol II). It covers the international aeronautical and maritime search and rescue (IAMSAR) manual; the SAR system and its global framework; the roles and responsibilities of a search and rescue mission coordinator (SMC); the role of the SMC within the SAR system including the responsibilities in mission planning and execution; the components of the SAR system and coordinating between various agencies and resources; the communication protocols and systems and proper use of SAR frequencies and equipment; and planning a SAR mission and developing a SAR plan based on initial distress information.

Further, the course will also discuss the decision-making process for initiating a SAR mission and key considerations for the first response in SAR operations; the probable search area and using drift models and environmental factors; the patterns and techniques, resource allocation and assigning tasks to SAR units; the potential risks during SAR operations and implementing safety measures for SAR personnel and resources; the impact of weather in SAR planning and execution; and the access and interpretation of meteorological data for SAR missions.

During this interactive course, participants will learn the adjacent RCCs (rescue coordination centers) and international SAR collaboration; the SAR data management systems and tracking of SAR units, progress, and communication logs; the legal aspects of SAR operations and media and public information management; navigating cultural differences in international SAR missions; conducting SAR operations in challenging conditions and specialized equipment and techniques for extreme environments; planning and executing SAR operations for large-scale incidents; coordinating with multiple agencies and managing a high volume of resources; the helicopter and fixed-wing support in SAR and survival and medical considerations; the rescue boat operations and post-mission debriefing and reporting; and evaluating SAR mission effectiveness and continuous improvement in SAR operations.

Course Objectives

Upon the successful completion of this course, each participant will be able to:-

- Get certified as a "*Certified Search and Rescue (SAR) Mission Coordinator*"
- Discuss the international aeronautical and maritime search and rescue (IAMSAR) manual as well as the SAR system and its global framework
- Identify the roles and responsibilities of a search and rescue mission coordinator (SMC)
- Define the role of the SMC within the SAR system including the responsibilities in mission planning and execution
- Identify the components of the SAR system and coordination between various agencies and resources
- Recognize the communication protocols and systems and apply proper use of SAR frequencies and equipment
- Plan a SAR mission and develop a SAR plan based on initial distress information
- Carryout decision-making process for initiating a SAR mission and key considerations for the first response in SAR operations
- Determine the probable search area and use drift models and environmental factors
- Illustrate search patterns and techniques, resource allocation and assigning tasks to SAR Units
- Identify potential risks during SAR operations and implement safety measures for SAR personnel and resources
- Recognize the impact of weather on SAR planning and execution as well as access and interpret meteorological data for SAR missions
- Coordinate with adjacent RCCs (rescue coordination centers) and apply international SAR collaboration
- Use SAR data management systems and keep track of SAR units, progress, and communication logs
- Discuss the legal aspects of SAR operations and employ media and public information management

- Navigate cultural differences in international SAR missions and overcome language barriers in multi-national operations
- Conduct SAR operations in challenging conditions and identify specialized equipment and techniques for extreme environments
- Plan and execute SAR operations for large-scale incidents, coordinate with multiple agencies and manage a high volume of resources
- Explain helicopter and fixed-wing support in SAR as well as survival and medical considerations
- Apply rescue boat operations and conduct post-mission debriefing and reporting
- Evaluate SAR mission effectiveness and apply continuous improvement in SAR operations

Exclusive Smart Training Kit - H-STK®

*Participants of this course will receive the exclusive "Haward Smart Training Kit" (**H-STK®**). The **H-STK®** consists of a comprehensive set of technical content which includes **electronic version** of the course materials, sample video clips of the instructor's actual lectures & practical sessions during the course conveniently saved in a **Tablet PC**.*

Who Should Attend

This course provides an overview of all significant aspects and considerations of SAR mission coordination for maritime authorities, coast guard and navy officers, air traffic controllers, emergency response teams, safety and environmental officers, search and rescue operators and SAR coordinators.

Course Date/Venue

Session(s)	Date	Venue
1	October 20-24, 2024	Boardroom 1, Elite Byblos Hotel Al Barsha, Sheikh Zayed Road, Dubai, UAE
2	April 20-24, 2025	Al Aziziya Hall, The Proud Hotel Al Khobar, Al Khobar, KSA
3	November 09-13, 2025	Boardroom 1, Elite Byblos Hotel Al Barsha, Sheikh Zayed Road, Dubai, UAE

Course Fee

US$ 5,500 per Delegate + **VAT**. This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

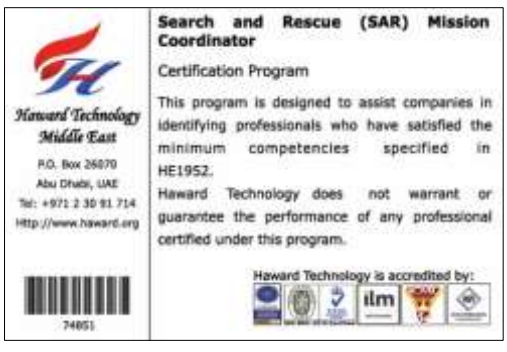
Course Certificate(s)

(1) Internationally recognized Competency Certificates and Plastic Wallet Cards will be issued to participants who completed a minimum of 80% of the total tuition hours and successfully passed the exam at the end of the course. Successful candidate will be certified as a "*Certified Search and Rescue (SAR) Mission Coordinator".* Certificates are valid for 5 years.

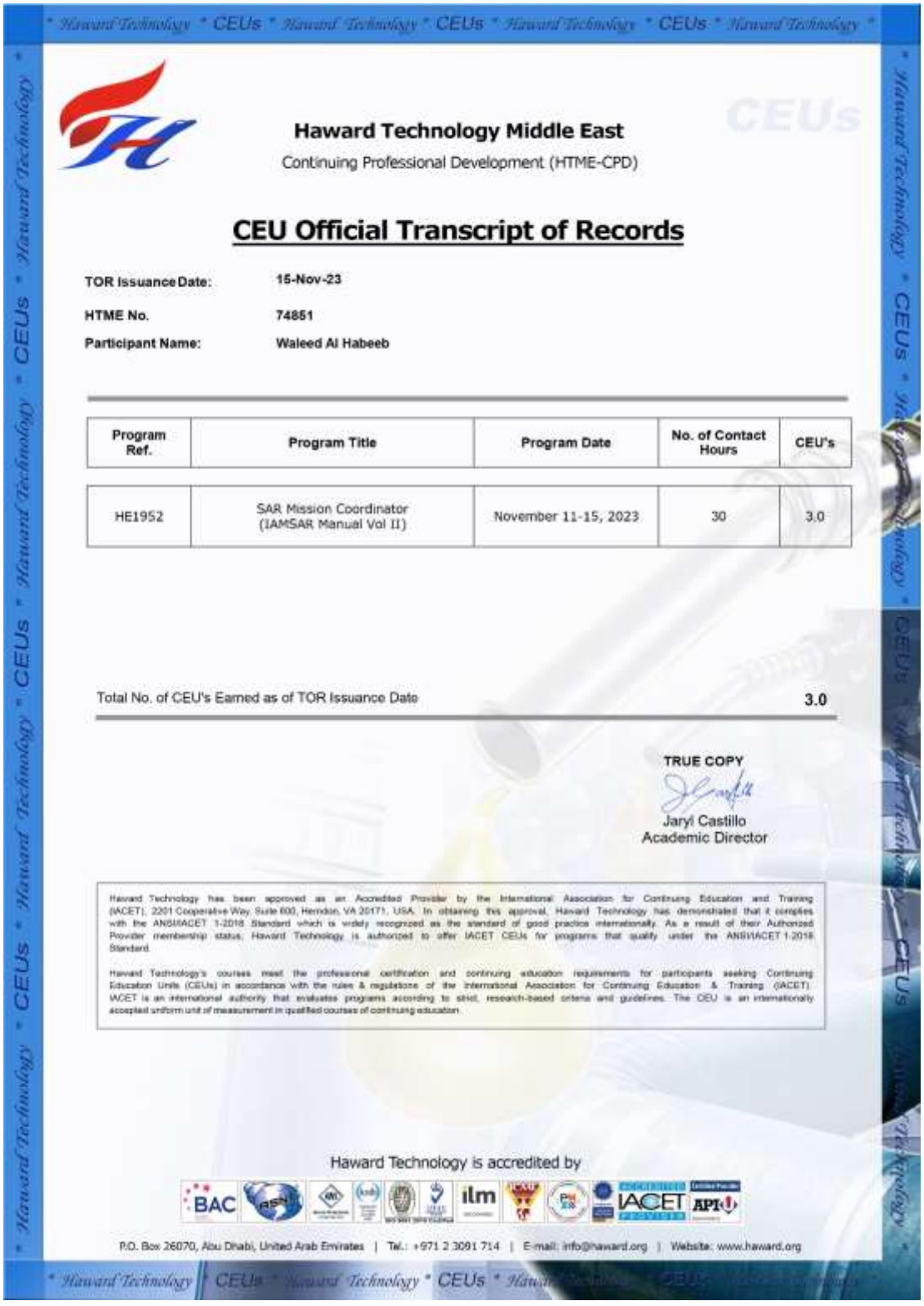
Recertification is FOC for a Lifetime.

Sample of Certificates

The following are samples of the certificates that will be awarded to course participants:-



(2) Official Transcript of Records will be provided to the successful delegates with the equivalent number of ANSI/IACET accredited Continuing Education Units (CEUs) earned during the course.



Haward Technology Middle East
Continuing Professional Development (HTME-CPD)

CEU Official Transcript of Records

TOR Issuance Date: 15-Nov-23
HTME No. 74851
Participant Name: Waleed Al Habeeb

Program Ref.	Program Title	Program Date	No. of Contact Hours	CEU's
HE1952	SAR Mission Coordinator (IAMSAR Manual Vol II)	November 11-15, 2023	30	3.0

Total No. of CEU's Earned as of TOR Issuance Date 3.0

TRUE COPY
Jaryl Castillo
Academic Director

Haward Technology has been approved as an Accredited Provider by the International Association for Continuing Education and Training (IACET), 2201 Cooperative Way, Suite 600, Herndon, VA 20171, USA. In obtaining this approval, Haward Technology has demonstrated that it complies with the ANSI/IACET 1-2018 Standard which is widely recognized as the standard of good practice internationally. As a result of their Authorized Provider membership status, Haward Technology is authorized to offer IACET CEUs for programs that qualify under the ANSI/IACET 1-2018 Standard.

Haward Technology's courses meet the professional certification and continuing education requirements for participants seeking Continuing Education Units (CEUs) in accordance with the rules & regulations of the International Association for Continuing Education & Training (IACET). IACET is an international authority that evaluates programs according to strict, research-based criteria and guidelines. The CEU is an internationally accepted uniform unit of measurement in qualified courses of continuing education.

Haward Technology is accredited by

P.O. Box 26070, Abu Dhabi, United Arab Emirates | Tel.: +971 2 3091 714 | E-mail: info@haward.org | Website: www.haward.org

Certificate Accreditations

Certificates are accredited by the following international accreditation organizations: -

- The International Accreditors for Continuing Education and Training (IACET - USA)

  Haward Technology is an Authorized Training Provider by the International Accreditors for Continuing Education and Training (IACET), 2201 Cooperative Way, Suite 600, Herndon, VA 20171, USA. In obtaining this authority, Haward Technology has demonstrated that it complies with the **ANSI/IACET 2018-1 Standard** which is widely recognized as the standard of good practice internationally. As a result of our Authorized Provider membership status, Haward Technology is authorized to offer IACET CEUs for its programs that qualify under the **ANSI/IACET 2018-1 Standard**.

  Haward Technology's courses meet the professional certification and continuing education requirements for participants seeking **Continuing Education Units** (CEUs) in accordance with the rules & regulations of the International Accreditors for Continuing Education & Training (IACET). IACET is an international authority that evaluates programs according to strict, research-based criteria and guidelines. The CEU is an internationally accepted uniform unit of measurement in qualified courses of continuing education.

  Haward Technology Middle East will award **3.0 CEUs** (Continuing Education Units) or **30 PDHs** (Professional Development Hours) for participants who completed the total tuition hours of this program. One CEU is equivalent to ten Professional Development Hours (PDHs) or ten contact hours of the participation in and completion of Haward Technology programs. A permanent record of a participant's involvement and awarding of CEU will be maintained by Haward Technology. Haward Technology will provide a copy of the participant's CEU and PDH Transcript of Records upon request.

- British Accreditation Council (BAC)

  Haward Technology is accredited by the **British Accreditation Council** for **Independent Further and Higher Education** as an **International Centre**. BAC is the British accrediting body responsible for setting standards within independent further and higher education sector in the UK and overseas. As a BAC-accredited international centre, Haward Technology meets all of the international higher education criteria and standards set by BAC.

Training Methodology

All our Courses are including **Hands-on Practical Sessions** using equipment, State-of-the-Art Simulators, Drawings, Case Studies, Videos and Exercises. The courses include the following training methodologies as a percentage of the total tuition hours:-

30% Lectures
20% Practical Workshops & Work Presentations
30% Hands-on Practical Exercises & Case Studies
20% Simulators (Hardware & Software) & Videos

In an unlikely event, the course instructor may modify the above training methodology before or during the course for technical reasons.

Course Instructor(s)

This course will be conducted by the following instructor(s). However, we have the right to change the course instructor(s) prior to the course date and inform participants accordingly:

Mr. Raymond Tegman is a **Senior HSE Consultant** with extensive experience within the **Oil & Gas**, **Petrochemical** and **Refinery** industries. His broad expertise widely covers in the areas of **Search & Rescue Mission**, Search and Rescue (**SAR**) for Disaster Response Teams, Advanced **Search and Rescue Mission** Execution, **SAR Mission** Coordination and Management, **Search and Rescue Mission** Strategies for Disasters, **Search and Rescue Mission Safety and Risk Management**, **Search and Rescue Mission** Debriefing and Post-Incident Analysis, **Rigging** Safety Rules, Machinery & Hydraulic **Lifting Equipment**, Handling **Hazardous Chemicals**, Spill Containment, **Fire** Protection, **Fire** Precautions, **Incidents & Accidents** Reporting, **HSEQ** Audits & Inspection, **HSEQ** Procedures, **Environmental** Awareness, **Waste** Management Monitoring, **Emergency Planning**, **Emergency** Management, **Working at Heights**, **Root Cause Analysis**, **HSE** Rules & Regulations, Process Safety Management (**PSM**), Process Hazard Analysis (**PHA**), Techniques, **HAZOP**, **HSE** Risk, **Pre-Start-up Safety** Reviews, **HSE Risk** Identification, Assessments & Audit, **HSE Risk** Assessment & Management Concepts, **HSE Management** Policy & Standards, **HSSE Emergency Response & Crisis Management** Operations, **Confined Space Entry**, **Quantitative Risk Assessment** (**QRA**), Hazardous Materials & Chemicals Handling, Safety Precaution & Response Action Plan, **Hazard & Risk** Assessment, Task Risk Assessment (**TRA**), **Incident Command**, **Accident & Incident Investigation**, **Emergency Response Procedures**, Job Safety Analysis (**JSA**), Behavioural Based Safety (**BBS**), **Fall Protection**, **Work Permit & First Aid**, Lock-out/Tag-out (**LOTO**), **Emergency Response**, **Construction** Supervision, **Scaffolding** Inspection, **HAZCHEM**, Manual Material Handling, **Road Traffic** Supervision, ISO 9001 and OHSAS 18001.

During his career life, Mr. Tegman has gained his practical and field experience through his various significant positions and dedication as the **Operations Manager**, **Safety & Maintenance Manager**, **Safety Manager**, **Road/Traffic Supervisor**, **Assessor/Moderator**, **Safety Consultant**, **Safety Advisor**, **Safety Officer** and **Liaison Officer** from Zero Harm, SHRA Training & Services (Health & Safety), Road Crete, Balwin Property Development, DEME International, Gladstone Australia, Godavari Gas Pipeline and New Castle NCIG.

Accommodation

Accommodation is not included in the course fees. However, any accommodation required can be arranged at the time of booking.

Course Program

The following program is planned for this course. However, the course instructor(s) may modify this program before or during the workshop for technical reasons with no prior notice to participants. Nevertheless, the course objectives will always be met:

Day 1

0730 – 0800	*Registration & Coffee*
0800 – 0815	*Welcome & Introduction*
0815 – 0830	***PRE-TEST***
0830 – 0930	***Overview of the International Aeronautical & Maritime Search & Rescue (IAMSAR) Manual*** *Understanding the Structure & Content of the IAMSAR Manual • Introduction to the SAR System & Its Global Framework*
0930 – 0945	*Break*
0945 – 1030	***Roles & Responsibilities of a Search & Rescue Mission Coordinator (SMC)*** *Defining the Role of the SMC Within the SAR System • Understanding the Responsibilities in Mission Planning & Execution*
1030 – 1130	***Understanding SAR System Organization*** *Components of the SAR System • Coordination Between Various Agencies & Resources*
1130 – 1215	***Communication Protocols & Systems*** *Overview of Communication Systems Used in SAR Operations • Proper Use of SAR Frequencies & Equipment*
1215 – 1230	*Break*
1230 – 1330	***SAR Planning Process*** *Steps Involved in Planning a SAR Mission • Developing a SAR Plan Based on Initial Distress Information*
1330 – 1420	***Initial SAR Response*** *Decision-Making Process for Initiating a SAR Mission • Key Considerations for the First Response in SAR Operations*
1420 – 1430	***Recap***
1430	*Lunch & End of Day One*

Day 2

0730 – 0830	***Search Area Determination*** *Techniques for Determining the Probable Search Area • Use of Drift Models & Environmental Factors*
0830 – 0930	***Search Patterns & Techniques*** *Various Search Patterns (Parallel, Creeping Line, Sector, Etc.) • Selection of Appropriate Search Patterns Based on Mission Specifics*
0930 – 0945	*Break*
0945 – 1100	***Resource Allocation & Tasking*** *Assigning Tasks to SAR Units • Effective Use of Available Resources for Optimal Coverage*
1100 – 1215	***Risk Assessment & Safety Management*** *Identifying Potential Risks During SAR Operations • Implementing Safety Measures for SAR Personnel & Resources*

1215 – 1230	*Break*
1230 – 1330	***Weather Considerations in SAR Operations*** *Impact of Weather on SAR Planning & Execution • Accessing & Interpreting Meteorological Data for SAR Missions*
1330 – 1420	***SAR Case Studies*** *Review of Real-Life SAR Operations • Lessons Learned & Best Practices*
1420 – 1430	***Recap***
1430	*Lunch & End of Day Two*

Day 3

0730 – 0830	***Coordinating with Adjacent RCCs (Rescue Coordination Centers)*** *Procedures for Coordination with Neighboring SAR Regions • Cross-Border SAR Operations & Communication*
0830 – 0930	***International SAR Collaboration*** *Understanding International SAR Agreements & Protocols • Working with International SAR Resources & Agencies*
0930 – 0945	*Break*
0945 – 1100	***Use of SAR Data Management Systems*** *Introduction to SAR-Specific Data Management Tools • Keeping Track of SAR Units, Progress, & Communication Logs*
1100 – 1215	***Legal Aspects of SAR Operations*** *Overview of International Maritime Law Related to SAR • Understanding the Legal Responsibilities of the SMC*
1215 – 1230	*Break*
1230 – 1330	***Media & Public Information Management*** *Handling Media Relations During SAR Operations • Effective Communication with the Public & Next of Kin*
1330 – 1420	***Cultural & Language Considerations*** *Navigating Cultural Differences in International SAR Missions • Overcoming Language Barriers in Multi-National Operations*
1420 – 1430	***Recap***
1430	*Lunch & End of Day Three*

Day 4

0730 – 0830	***SAR in Complex Environments*** *Conducting SAR Operations in Challenging Conditions (e.g., Ice, Mountains, Dense Fog) • Specialized Equipment & Techniques for Extreme Environments*
0830 – 0930	***Mass Rescue Operations*** *Planning & Executing SAR Operations for Large-Scale Incidents • Coordination with Multiple Agencies & Managing a High Volume of Resources*
0930 – 0945	*Break*
0945 – 1100	***Helicopter & Fixed-Wing Support in SAR*** *Integrating Aerial Resources into SAR Operations • Understanding the Capabilities & Limitations of Helicopters & Fixed-Wing Aircraft*
1100 – 1215	***Survival & Medical Considerations*** *Providing First Aid & Medical Support During SAR Operations • Prioritizing Medical Evacuation (MEDEVAC) Needs*

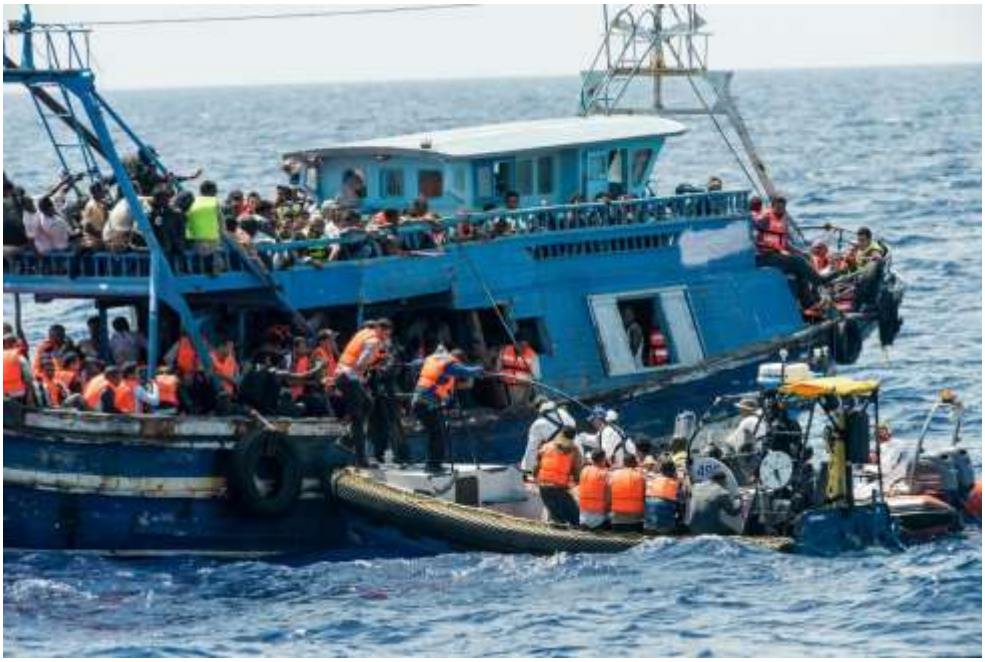
1215 – 1230	*Break*
1230 – 1330	***Rescue Boat Operations*** *Best Practices for Deploying & Coordinating Rescue Boats • Safety Protocols for Small Craft Operations*
1330 – 1420	***Post-Mission Debriefing & Reporting*** *Conducting Effective Debriefings with SAR Teams • Writing & Submitting SAR Mission Reports*
1420 – 1430	***Recap***
1430	*Lunch & End of Day Four*

Day 5

0730 – 0830	***Tabletop SAR Exercise*** *Conducting a Simulated SAR Mission • Applying Learned Concepts in a Controlled Environment*
0830 – 0930	***Field SAR Exercise*** *Practical SAR Mission Involving Multiple Resources • Real-Time Decision-Making & Coordination*
0930 – 0945	*Break*
0945 – 1100	***Evaluating SAR Mission Effectiveness*** *Analyzing Mission Outcomes & Identifying Areas for Improvement • Use of SAR Mission Evaluation Tools*
1100 – 1230	***Feedback & Lessons Learned*** *Gathering Feedback from SAR Participants • Documenting Lessons Learned for Future Missions*
1230 – 1245	*Break*
1245 – 1300	***Continuous Improvement in SAR Operations*** *Implementing Changes Based on Past Mission Evaluations • Developing Ongoing Training Programs for SAR Personnel*
1300 - 1315	***Course Conclusion***
1315 – 1415	***COMPETENCY EXAM***
1415 – 1430	*Presentation of Course Certificates*
1430	*Lunch & End of Course*

Practical Sessions

This practical and highly-interactive course includes real-life case studies and exercises:-



Course Coordinator

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