

Please note that the course program is still being finalized

**Course Programme
Regional Training Course on
SAR Mission Coordination
26 June to 07 July 2023
Constanta, Romania**

Instructors

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Description:

This training activity is designed to deliver the core elements of the SAR Mission Coordinator (SMC) Course as outlined in IMO Model Course 3.14 while also including elements of the SAR Administrator Course as outlined in IMO Model Course 3.13.

This Course Programme has been prepared on the basis of participants who already have a significant degree of practical and academic knowledge regarding SAR. It is therefore geared at consolidating their knowledge of SMC duties and introducing elements from the perspective of the SAR Administrator with a view to identifying participants with the potential to act as trainers within their national organisations

Topics highlighted in green have been taken from IMO Model Course 3.13 SAR Administration. Topics highlighted in orange have been taken from IMO Model Course 3.14 SAR Mission Coordinator.

Week 1

26 June 2023

Time	Lecture Title	Lecture Content	Instructor
0800-0850	Course Introduction		
0900-0950	Establishing SAR Services and the associated benefits.	Describe the ICAO/IMO framework for establishing SAR services, explain the need for international cooperation and harmonisation and describe the benefits of efficient SAR services.	
1010-1100	International Legal Basis for SAR	Identify the primary legal bases for the establishment of SAR Services for the rescue of persons in distress at sea within a defined area of responsibility – UNCLOS, SAR Convention, Regional Agreements.	
1110-1200	Basic Functions of the SAR System	Identify the basic functions of a SAR System.	
1210-1300	The Global SAR System	Describe the Global SAR system and how the various components function.	
1400-1450	SAR System Components 1	Describe SAR as a system, examine the Communications and RCC/RSC components.	
1500-1550	SAR System Components 2	Examine the SAR Facilities, OSC/ACO and Support Facilities components.	
1600-1645	Training, Qualification, Certification & Exercises	Describe the frameworks for training, qualification and certification of SAR personnel and the relevance and purposes of exercises.	

27 June 2023

Time	Lecture Title	Lecture Content	Instructor
0800-0850	SAR Communications 1	Explain the role and importance of GMDSS as a component of the SAR System.	
0900-0950	SAR Communications 2	Describe other communications developments ashore and at sea.	
1010-1100	National SAR Plans	Describe the purpose and importance of a National SAR Plan and the manner in which it supports management of the SAR System.	
1110-1200	International Cooperation	Use case studies to discuss the importance of international cooperation in SAR and the benefits that it delivers.	
1210-1300	Media Relations	Discuss the importance of managing media relationships as a SAR organisations and the benefits/pitfalls that the relationship with the media can present.	
1400-1450	Phases of a SAR Operation	Details the 5 stages of a SAR Operation (Awareness, Initial Action, Planning, Operations, Conclusion) and the actions associated with each stage.	
1500-1550	Mission Documentation	Details which communications means need to be recorded, operational records that need to be kept and the importance of records for reviews and investigations.	
1600-1645	SAR Communications 1	Distress Communications - General	

28 June 2023

Time	Lecture Title	Lecture Content	Instructor
0800-0850	SAR Communications 2	GMDSS.	
0900-0950	SAR Communications 3	Aeronautical Communications and EPIRBs/ELTs/PLBs	
1010-1100	SAR Communications 4	Satellite Communications.	
1110-1200	SAR Communications 5	Mobile Telephones – Satellite & Cellular	
1210-1300	SAR Communications 6	SAR Data Providers	
1400-1450	SAR Communications 7	Telemedical Assistance Service	
1500-1550	SAR Communications 8	SAR Message Formats including SITREP, SAR Action Message and Rescue Action Message.	
1600-1645	Awareness Phase 1	The Emergency Phases and associated checklists.	

29 June 2023

Time	Lecture Title	Lecture Content	Instructor
0800-0850	Awareness Phase	Evaluation and immediate actions.	
0900-0950	Initial Actions 1	Designation of SMC/RCC, evaluation and classification.	
1010-1100	Initial Actions 2	Comms Searches, Alerting of SAR Resources.	
1110-1200	Introduction to Search Planning and Evaluation	Present the basic concepts and terminology associated with Search Planning.	
1210-1300	Search Planning 1	Evaluating the situation and estimating the distress location.	
1400-1450	Search Planning 2	Search Object motion after the distress incident, components of total water current, leeway.	

1500-1550	Search Planning 3	Basic Drift Calculations.	
1600-1645	Search Planning 4	Basic Drift Calculations Exercise.	

30 June 2023

Time	Lecture Title	Lecture Content	Instructor
0800-0850	Search Planning 5	Total Probable Error of Position.	
0900-0950	Search Planning 6	Search Planning Terms and Definitions.	
1010-1100	Search Planning 7	Optimal Search Area Calculation.	
1110-1200	Search Planning 8	Computer-Based Search Planning Aids.	
1210-1300	Consolidated Search Planning and Search Area Calculation Exercise	A scenario-based exercise with participants divided into small groups acting as personnel within a simulated RCC. Exercise includes a short briefing and a debriefing session to analyse the approach taken by each group.	
1400-1450			
1500-1550			
1600-1645			

Week 2

03 July 2023

Time	Lecture Title	Lecture Content	Instructor
0800-0850	Introduction to Search Techniques and Operations	Describe the general approach to search planning and the describe the options for using computer-assisted planning tools.	
0900-0950	Search Techniques & Operations 1	Selecting search facilities, matching facilities to the task at hand.	
1010-1100	Search Techniques & Operations 2	Calculating sweep width using the graphs in Appendix N.	
1110-1200	Search Techniques & Operations 3	Search Patterns	
1210-1300	Search Techniques & Operations 4	Search Patterns	
1400-1450	Search Techniques & Operations 5	Search Patterns	
1500-1550	Search Techniques & Operations 6	Electronic Searches and Night Searches	
1600-1645	Summary	Summary and Q&A.	

04 July 2023

Time	Lecture Title	Lecture Content	Instructor
0800-0850	Search Techniques & Operations 7	Assigning sub-areas to specific SRUs.	
0900-0950	Search Techniques & Operations 8	Search Action Plans.	
1010-1100	Search Techniques & Operations 9	Search Procedures for Aircraft & Surface Units.	
1110-1200	Search Techniques & Operations 10	Briefings & Debriefings.	
1210-1300	Operational Risk Management 1	General concepts of ORM.	
1400-1450	Operational Risk Management 2	ORM Case Study – F/V Sea King	
1500-1550	Operational Risk Management 3	ORM Tabletop Exercise	
1600-1645	Summary	Summary and Q&A.	

05 July 2023

Time	Lecture Title	Lecture Content	Instructor
0800-0850	Rescue Planning & Operations 1	Delivery of Rescue Personnel and Equipment. AMVER and other ship tracking systems.	
0900-0950	Rescue Planning & Operations 2	Medical considerations and MEDEVAC.	
1010-1100	Rescue Planning & Operations 3	Mass Rescue Operations.	
1110-1200	Rescue Planning & Operations 4	Care & Debriefing of Survivors and Recovery of Deceased Persons.	
1210-1300	Mission Conclusion 1	SAR Case Suspension & Closure.	
1400-1450	Mission Conclusion 2	Final Reporting and Documentation.	
1500-1550	Mission Conclusion 3	Debriefings & Case Studies	
1600-1645	Summary	Summary and Q&A.	

06 July 2023

Time	Lecture Title	Lecture Content	Instructor
0800-0850	Tabletop Exercise Briefing & Preparation	Briefing of background information for the TTX scenario and designation of groups.	
0900-0950			
1010-1100	Tabletop Exercise	Phase 1 of Tabletop Exercise – Awareness, Initial Actions, Drift Calculations and Search Planning.	
1110-1200			
1210-1300			
1400-1450			
1500-1550			
1600-1645			

07 July 2023

Time	Lecture Title	Lecture Content	Instructor
0800-0850	Tabletop Exercise	Phase 2 of Tabletop Exercise – Conduct of Search, Rescue Operations, Mission Conclusion.	
0900-0950			
1010-1100			
1110-1200	Exercise Debrief	Present lessons-learned and Instructor/Participant observations.	
1210-1300			
1400-1450	Course Debriefing and Q&A	Participants will provide their feedback on the conduct and content of the course and have the opportunity to clarify any issues that remain outstanding.	
1500-1550	Course Conclusion	Closing remarks from RO and IMO representatives.	
1600-1645	Graduation	Participants will be presented with their course certificates.	