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## Marine Search & Rescue Course

# Search and Rescue Management for Small Authorities

### Course 1

This course trains Search and Rescue personnel on managing SAR operations for small port authorities.

- Course Introduction, introductions exercise, present course outline, align with group needs.
- SAR System Concept PowerPoint presentation National Self-Assessment on SAR 3 Volumes of IAMSAR
- Components of a SAR
- System PowerPoint presentation RCC Basic Capabilities handout
- SAR Coordination
- General PowerPoint Presentation Video SAREX 2006 – Ship to Shore Video (21 min)  
SAR Resources

\* Sources of SRUs

\* Selection of SRUs PowerPoint Presentation Group Discussion CCG resource photos/fact sheets

- SAR Auxiliary PowerPoint presentation CCGA Crew Manual
- Distress Alerting & SAR Communications PowerPoint presentation
- AMVER Video USCG Survivors Video (4th story)
- GMDSS PowerPoint Presentation Handout (Wikipedia)
- COSPAS-SARSAT Video COSPAS-SARSAT: Lifeline to Survival
- SAR Mission Communications PowerPoint presentation
- Understanding and managing Risk to SAR
- Teams Discussion, video USCG Dangerous Rescues (1st story)
- Legal Issues Discussion
- Topic Method References & Handouts
- SAR Operation Stages PowerPoint presentation
- Awareness & Initial Action PowerPoint presentation
- Emergency Phases Emergency Phase/Initial Actions Exercise Case Study Malu Sara Accident Investigation Report
- Search Objects PowerPoint presentation
- Coastal Search Planning
- Plotting Overview Demonstration, Plotting Exercise
- Determining Datum PowerPoint presentation
- Vector Addition, Vector addition exercises: – Total Water Current – Total Drift IAMSAR Vol III: \* Wind Driven Current table (N-1) \* Leeway table (N-3)
- Search Area Determination PowerPoint presentation
- Track line Search Exercise and Instructions

- Determining an Attainable Search Plan PowerPoint presentation, Calculation of Coverage Factor & POD Exercise IAMSAR Vol III: \* Sweep Width Table (N-6) \* POD Table (N-16) Exercise instructions
- Search Techniques & Operations PowerPoint presentation
- Drift Compensation PowerPoint presentation - Jack Frost Article Drift Compensation diagrams
- Rescue Planning & Operations PowerPoint presentation
- Towing Operations Discussion USCG Port Angeles – towing footage CCGA Manual – Ch 8 Mission Conclusion PowerPoint presentation
- Documentation PowerPoint presentation Incident Processing form (C-3) Various checklists Ref.: IAMSAR Annexes
- Review of Week Discussion
- Final Scenario Practical Exercise Final Scenario Inputs

# Search and Rescue Operations

## Course 2

This course provides front-line Search and Rescue personnel with the knowledge required to conduct SAR missions in their designated areas safely.

### Chapter 1

Search and Rescue Unit Performance

### Chapter 2

Personal Safety

### Chapter 3

Vessel Fitness and Safety

### Chapter 4

Communication and record-keeping

### Chapter 5

Practical Seamanship

### Chapter 6

Boat Handling

### Chapter 7

Foundations of Navigation

### Chapter 8

Towing

### Chapter 9

Search

### Chapter 10

Rescue