First – Please remember that search and rescue is both aeronautical and maritime!

Second – Yes, that is an airplane with people on it floating in the water
Aircraft can assist in SAR or be a SAR incident.

Harmonize aeronautical and maritime SAR services –
Your agencies serve your country!
Global SAR System – a quick review

- Established under:
  - International Convention on Maritime SAR
  - Convention on International Civil Aviation
  - Other conventions or international law

- Each country has a responsibility to meet its obligation as part of the global community
- Develop SAR services individually as a State OR in co-operation with other States
International SAR Organization

International Maritime Organization
International Convention on Maritime Search and Rescue (1979)

International Civil Aviation Organization
Convention on International Civil Aviation (1944)

Global SAR Plan
International Aeronautical & Maritime SAR (IAMSAR) Manual
Regional Air Nav Plans (7)
IAMSAR Manual is the basis for the Global and National SAR system
Maritime Search and Rescue Region (SRR)
Aeronautical Flight Information Region (FIR) as Search and Rescue Region (SRR)
Why/Por que’ Volume III as a basic guide for SAR implementation?

- Volume III is a blend of what the SAR Mission Coordinator (SMC) should provide based on Volume II AND how the response unit should respond.

- If search planning information is missing from (or for) the SMC then Volume III can provide basic search planning.
Why/Por que’ Volume III as a basic guide for SAR implementation?

- Volume III has two purposes for the SAR responder:
  - performance of SAR or on-scene coordinator (OSC); and
  - their own emergencies

- We are talking only about performance of SAR or OSC.
SMC actions in Volume II and Volume III

- Volume II, Section 3.2 SAR stages
  - 5 SAR stages - second and third are key
    - (b) Initial action
    - (c) Planning

- Volume II, Section 3.3 Emergency phases
- What if you or OSC are to respond but do not have specific SMC guidance?
  - Volume III, Section 9
Key Volume III Sections

- 1 Overview of the SAR system
- 2 Distress alerts and messages
- 8 On-scene communications
- 9 On-scene coordinator
  - Duties, Situation reports (SITREP)
- 12 Searching
  - Search action plan message, search patterns
Key Volume III Sections

- Appendix B Search action message
- Appendix D Standard format for SAR situation report (SITREP)
- Action cards – in the back or placed into the sections
Volume III sections

- Section 1 Overview: already covered
- Section 2 Distress alerts and messages
  - Good to be aware of and use as a quick reference
- Section 3 Medical assistance: See action cards
- Section 8 On-scene communications
  - Excellent listing of radio frequencies
  - Vessel-Aircraft communications
  - RCC communications (how to contact the RCC)
Section 9 On-scene coordinator (OSC):

– page 9-1, third bullet point “The first facility to arrive …should assume OSC duties and…SMC

– page 9-2, OSC duties and responsibilities:

  “However, the OSC may still need to plan a search”

– page 9-4 Action card “OSC” provides a summary

– page 9-5 Situation reports (SITREP)

  Appendix D but IAMSAR Volume II, Appendix I has more information and example
Volume III Section 12

Section 12 Searching

- page 12-1, Search action plan and message
  - SMC typically provides the search action plan
  - Appendix B Sample search action message
- pages 12-2 through 12-9 show how to do basic search planning
- pages 12-10 through 12-20 on primary search patterns and deciding which one to use
  - Action card on the four common search patterns
This completes the general review of basic SAR concepts.

Tomorrow will be scenarios and facilitated discussion – You do most of the talking.

Focus is the Cospas-Sarsat 406 MHz message:

- Do you receive only the 406 message and then do SMC planning and investigation?
- Do you automatically receive supporting information such as from COCESNA?
- Assistance from other RCCs, other agencies,
Harmonizes aeronautical and maritime search and rescue organization, procedures, equipment, and terminology internationally