

International Convention on Maritime Search and Rescue and more

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**International Civil Aviation Organization/International
Maritime Organization Joint Working Group on SAR
(ICAO/IMO JWG)**

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Where do we need a SAR system?



Global SAR System

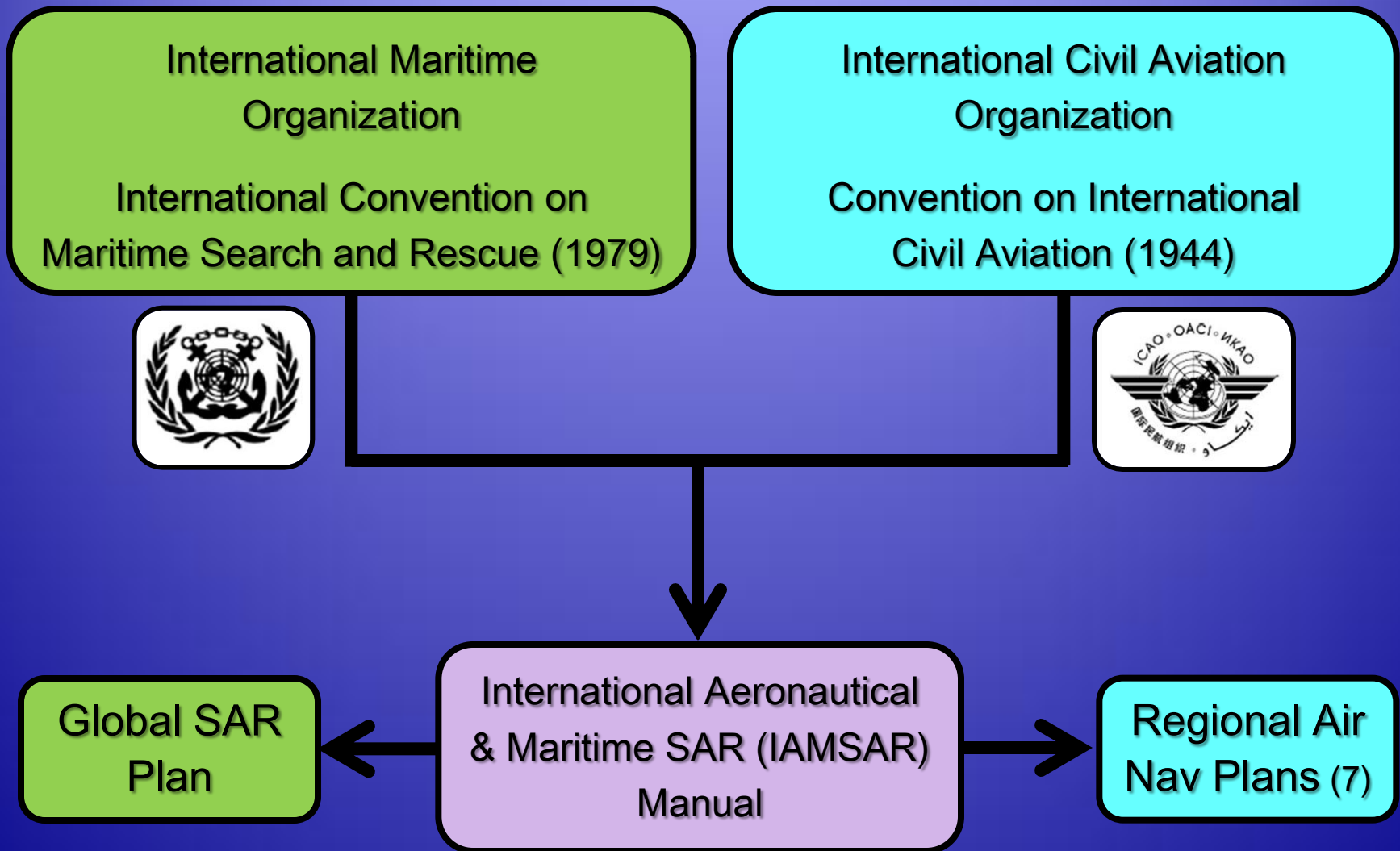
❑ Established under:

- ❖ International Convention on Maritime SAR
- ❖ Convention on International Civil Aviation
- ❖ Other conventions or international law

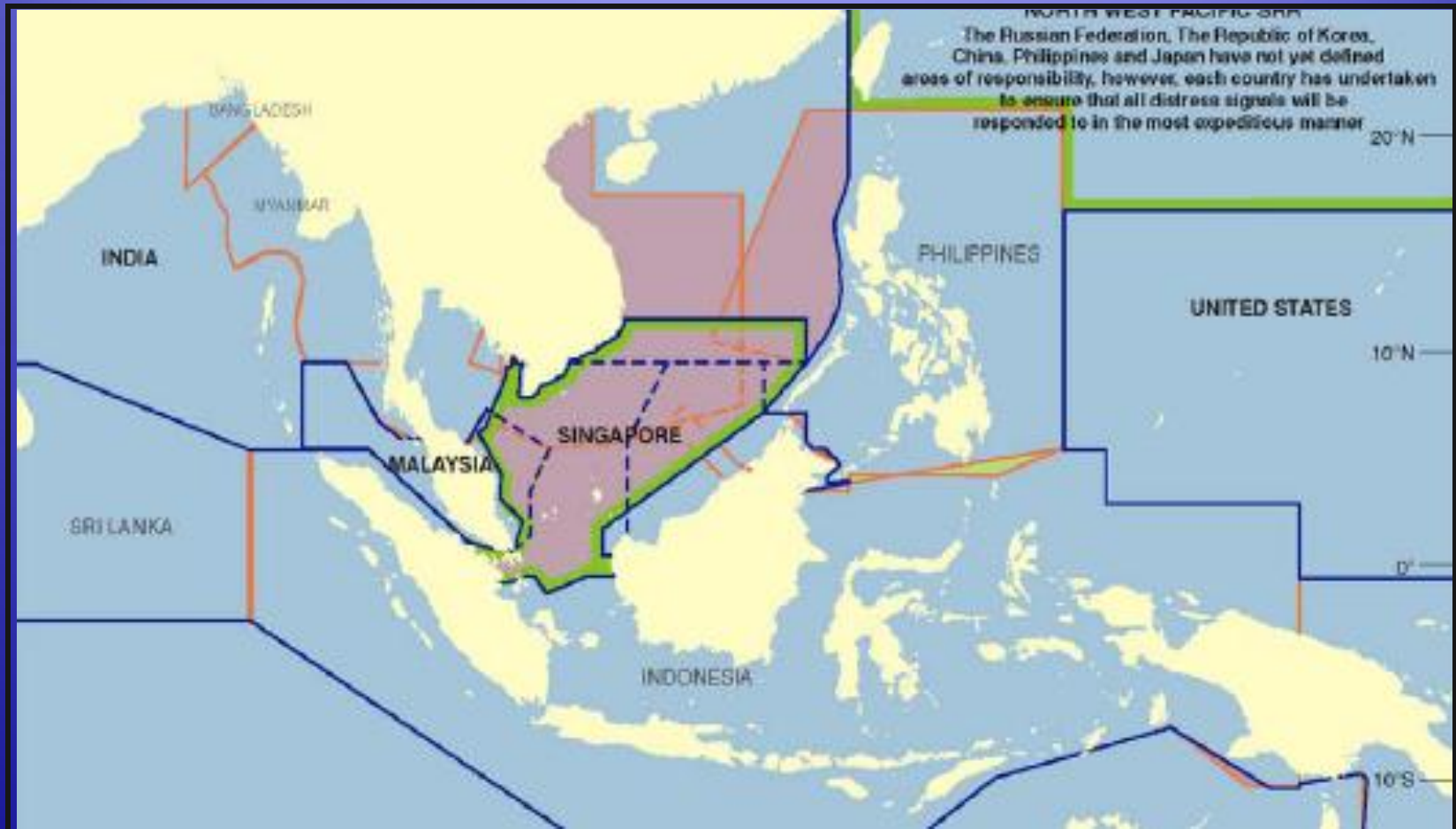
❑ Each country has a responsibility to meet its obligation as part of the global community

❑ Develop SAR services individually as a State
OR in co-operation with other States

International SAR Framework



Maritime Search and Rescue Region (SRR)



Aeronautical Flight Information Region (FIR) as Search and Rescue Region (SRR)



Search and Rescue Region (SRR)

- ICAO and IMO definition: SRR is “an area of defined dimensions associated with a rescue coordination center within which search and rescue services are provided.
- SRRs are established to ensure the provision of adequate communications infrastructure, efficient distress alert routing and proper operational coordination to effectively support search and rescue services. [Section 2.2 of Annex 12; and, IMO SAR Convention has similar words in 2.1.3]

Search and Rescue Region (SRR)

- ICAO Annex 12, Section 2.2, Note 2:

“The delineation of search and rescue regions is determined on the basis of technical and operational considerations and is not related to the delineation of boundaries between States.”

- [ICAO lower level flight information region (FIR) is a common basis for a search and rescue region.]

- IMO SAR Convention, paragraph 2.1.7

“The delimitation of search and rescue regions is not related to and shall not prejudice the delimitation of any boundary between States.”

Two SAR Systems – One Country

Harmonize by:

- Standard documents, practices, procedures,
- Coordinate with other agencies
- Coordinate with neighboring countries
- Participate in regional forums
- As you work on your SAR services, align the IMO Global SAR Plan and the ICAO Regional Air Navigation Plans
- Joint RCC or co-located aeronautical and maritime RCCs ???

International Aeronautical and Maritime Search and Rescue (IAMSAR) Manual

Harmonizes aeronautical and maritime SAR organization, procedures, equipment, and terminology internationally



Three volume set, 2013 edition !

Government Processes to Establish a SAR System

- Our countries are part of the Global SAR System
- ICAO and IMO Guidance/Conventions
 - International Aeronautical and Maritime Search and Rescue Manual (IAMSAR Manual)
- National SAR Committee
- National SAR Plan

SAR Resources

- Use all available resources
 - Designated SAR units
 - Other government agencies
 - Military resources
 - Local government facilities
 - Volunteers (boats and airplanes)
 - Private companies
 - Neighboring States
 - Ships at Sea

Asia/Pacific SAR Task Force

- Sample National SAR Committee agreement
- Sample SAR Agreement with neighboring States
- Draft “Regional Asia/Pacific Regional SAR Plan”
 - IMO and ICAO are working together
 - Good concept to ‘export’ to other regions
 - Paragraph 2.7: “...developed as part of a suite of Asia/Pacific air navigation plans”.

[This helps you to validate the responsibility your government has to provide SAR services...helps to obtain budget and staffing]

AF 447 in 2009...Malaysia MH 370 in 2014

- Such an incident has happened or will happen to all States with maritime SAR regions
- Need to plan ahead and learn from previous incidents
- Some common aspects:
 - Media interest
 - Foreign governments interest and involvement
 - Next of kin of the victims (save lives, recover victims)
 - Quick reaction – who to call, effective response
 - Cooperation – neighboring States, civil-military
 - Maritime drift – objects drift differently



Harmonize aeronautical and maritime SAR services –

- Participate in interagency and regional meetings and exercises ([ASEAN Transport SAR Forum exercise August 2014](#)),
- Complete the “ASEAN Multilateral Agreement on Cooperation on Aeronautical and Maritime Search and Rescue”;
- Maintain Global SAR Plan & Regional Air Navigation Plan; and,
- Effective SAR response – Plan ahead and make use of all available resources (aeronautical/maritime, civil/military, regional)