

ICAO NACC SAR Implementation Workshop (07-08 AUG 2023)

SAR MISSION COORDINATOR / ON-SCENE COORDINATOR

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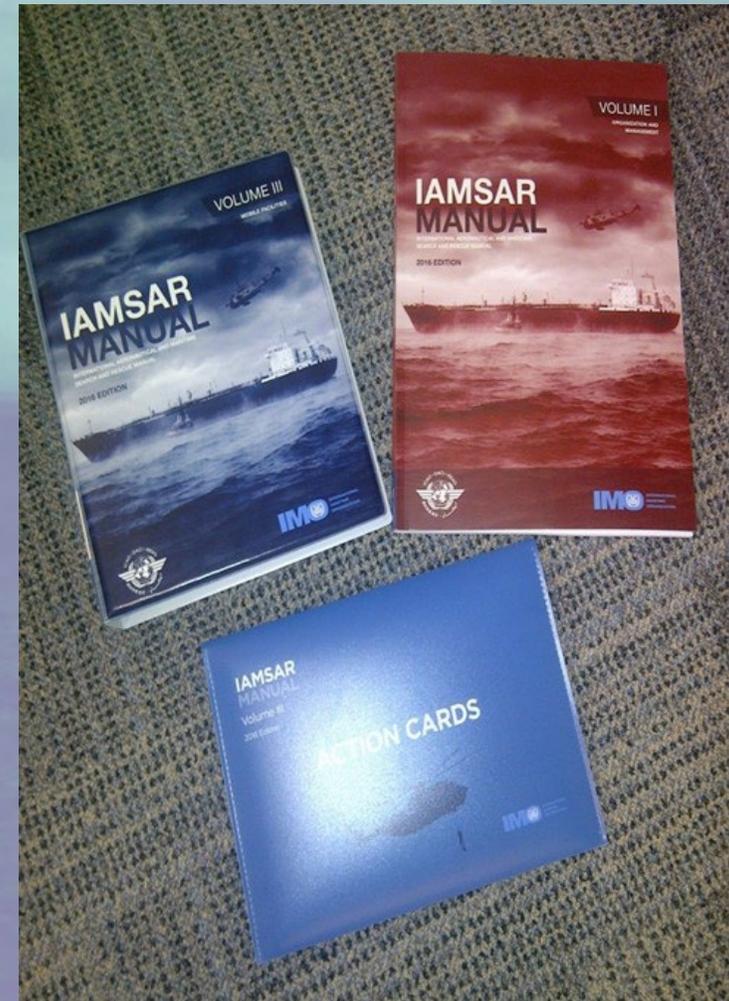
Agenda

- ◉ Levels of coordination
- ◉ SAR Coordinator (SC)
- ◉ Rescue Coordination Centers (RCCs)
- ◉ SAR Mission Coordinator (SMC)
 - Official with Suspension Authority
- ◉ On-Scene Coordinator (OSC)
- ◉ Aircraft Coordinator (ACO)
- ◉ Aircraft Briefings
- ◉ Search Action Plans (SAP)



Levels of Coordination

- ◉ IAMSAR Manual
- ◉ 3 general levels of coordination
 - Volume I – SAR Coordinator
 - Volume II – RCC & SMC
 - Volume III – OSC & ACO

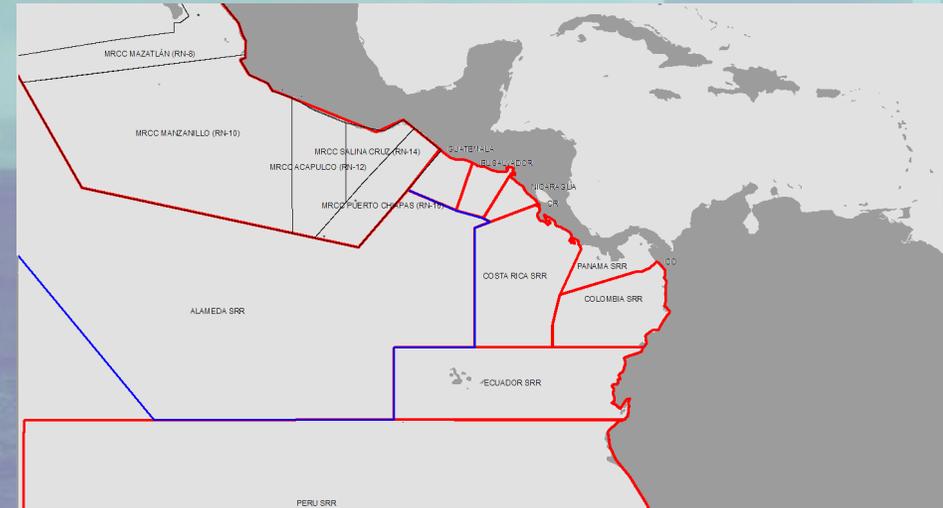


SAR Coordinator (SC)

- ⦿ Top level SAR managers (National or State level)
- ⦿ Establishing, Staffing, Equipping, and Managing the SAR System
- ⦿ Establish RCCs and Rescue Sub-Centers (RSC)
- ⦿ Providing or arranging for SAR Facilities
- ⦿ Who is the SAR Coordinator for your country?
 - Person or agency?

Rescue Coordination Centers (RCC)

- ⦿ Operational Facility (24/7)
- ⦿ Coordinates SAR within the SRR
- ⦿ Trained in SAR Operations
- ⦿ Authorized to request resources
- ⦿ Equipped to receive distress alerts



SAR Mission Coordinators (SMC)

- ⦿ Individual temporarily assigned to manage a particular SAR case
- ⦿ Knowledgeable tactical planner
- ⦿ Experienced supervisor
- ⦿ Staff or watch standers perform the tasks
- ⦿ SMC is responsible for the tasks and decisions
- ⦿ SMC has authority to make decisions

Official with Suspension Authority

- ⦿ This is a US Coast Guard term and position!
- ⦿ Not found in the IAMSAR Manual
- ⦿ Used when the search object is not located
 - Authority resides with the SAR Coordinator (SC)
- ⦿ Evaluates SMC decisions upon case suspension
- ⦿ The Official with Suspension Authority (ACTSUS)
 - Executive level SAR case oversight
 - Judgement to grant case suspension
 - Informs the family when search efforts are finished

On Scene Coordinator (OSC)

- ⦿ Assigned when 2 or more SRUs are working together
- ⦿ The SMC designates OSC
- ⦿ Can be a ship or aircraft or land unit
- ⦿ The first SRU on scene assumes the OSC function
- ⦿ SMC can arrange for that person to be relieved
- ⦿ The OSC **may** coordinate both surface and air SRUs.
- ⦿ OSC implements the SMCs Search Action Plan (SAP)

Aircraft Coordinator (ACO)

- ◉ SMC may designate an Aircraft Coordinator (ACO) to maintain high flight safety and cooperate in the SAR action to make it more effective if there is multiple aircraft.
- ◉ ACO maybe located with the OSC (i.e. Naval ship), aboard an aircraft (fixed wing preferred), helicopter, or appropriate land unit: coastal station, ATC, or RCC.

Aircraft Briefing

The ACO should ensure that the following information is briefed to the SAR aircraft after check-in and when appropriate.

Safety Brief	"The Air Coordinator will only provide advisory information. You are responsible for the safety of your own aircraft at all times. If you, because of safety reasons are unable to comply with instructions given by the air coordinator, you are to notify me immediately:"
QNH/ALT	Which references is used for common altimeter setting?
Organization on scene	Who is acting Aircraft Coordinator? Who is acting On Scene Coordinator? Who is acting SMC?
Other SRUs	Other airborne SRUs on scene (call sign, position, task) Ships on scene (call sign, task)
Frequency Plan	What frequencies are the SRU expected to used and/or monitor? -coordination with other SAR aircraft -coordination with OSC/Ships -hoist frequency? -frequency for transit ack after mission?
Weather on scene	Flight conditions on scene



Search Action Plans (SAP)

FROM SAN JUAN SAR COORDINATOR SAN JUAN PUERTO RICO
TO M/V DEVON PACIFIC
M/V KAPTAN BRANDT
INFO COCESNA

DISTRESS N999EJ (US) DITCHED – EASTERN CARIBBEAN
SEARCH ACTION PLAN FOR 10 AUGUST 2023

SITUATION:

US REGISTERED AIRCRAFT N999EJ REPORTED ENGINE FAILURE AND INTENTION TO DITCH NEAR 14-20N 064-20W AT 102200z.
CESSNA CITATION III, WHITE WITH BLUE TRIM
FOUR PERSONS ON BOARD

PRIMARY SEARCH OBJECTS: 8-PERSON ORANGE RAFT WITH CANOPY, FLARES. SECONDARY: PERSONS IN THE WATER, DEBRIS, MIRROR, ORANGE SMOKE

ACTION: REQUEST M/V DEVON PACIFIC AND M/V KAPTAN BRANDT DIVER TO SEARCH FOR SURVIVORS

SEARCH AREAS: (READ IN TWO COLUMNS)

AREA CORNER POINTS

A-1 14-11N 064-35W, 14-20N 064-35W, 14-20N 064-15W, 14-11N 064-15W

A-2 14-20N 064-35W, 14-29N 064-35W, 14-29N 064-15W, 14-20N 064-15W

EXECUTION: (READ IN FIVE COLUMNS)

AREA – SRU – PATTERN – CREEP – CSP

A-1 DEVON PACIFIC PS 180T 14-18.5N 064-33.5W

A-2 KAPTAN BRANDT PS 000T 14-21.5N 064-33.5W

COORDINATION

SAN JUAN SAR COORDINATOR IS SMC

M/V DEVON PACIFIC DESIGNATED OSC

COMMENCE SEARCH UPON ARRIVAL ON SCENE

TRACK SPACING 3NM IS DESIRED

COMMUNICATIONS;

CONTROL: INMARSAT

ON SCENE: PRIMARY SECONDARY

VHF-FM CH 23A CH 16

REPORTS:

OSC SEND SITREP TO SMC UPON ARRIVAL ON SCENE THEN HOURLY THEREAFTER. INCLUDE WEATHER, SEAS, ETCH. FOR EACH AREA IN ALL SITREPS.

OSC REPORT ACTUAL AREA SEARCHED (SQUARE NAUTICAL MILES), HOURS SEARCHED, TRACK SPACING USED, CORNER POINTS OF ACTUAL AREAS SEARCHED IF DIFFERENT FROM THOSE ASSIGNED. SEND REPORTS VIA MOST RAPID MEANS.

SAP Plotted – Incident Location



Ditch Location N999EJ



**US REGISTERED AIRCRAFT N999EJ REPORTED ENGINE FAILURE
AND INTENTION TO DITCH NEAR 14-20N 064-20W AT 102200Z.**

SAP A-1 Search Area

AREA CORNER POINTS

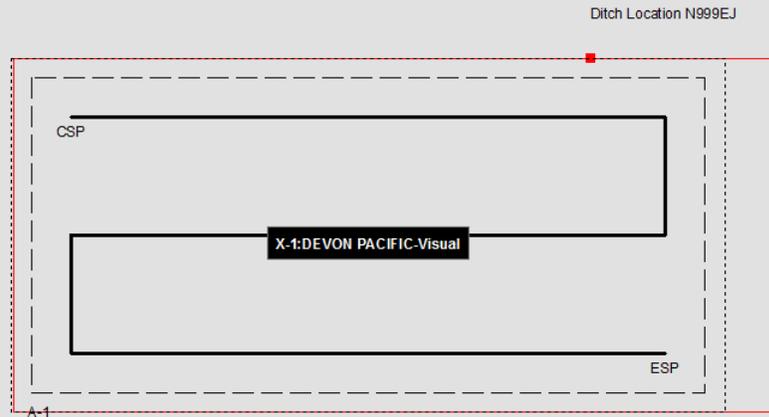
A-1 14-11N 064-35W, 14-20N 064-35W, 14-20N 064-15W, 14-11N 064-15W



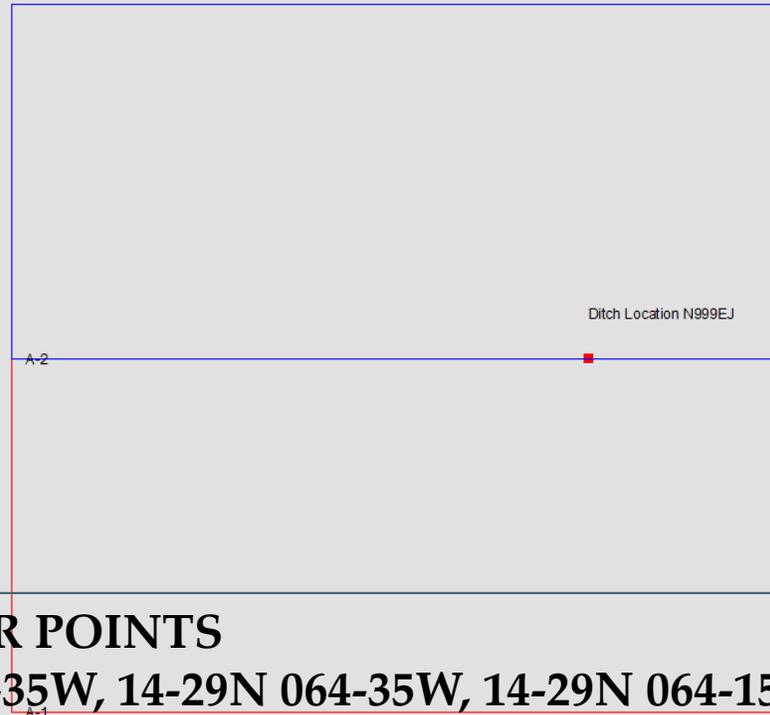
SAP A-1 Search Pattern

EXECUTION:

AREA	SRU	PATTERN	CREEP	CSP
A-1	DEVON PACIFIC	PS	180T	14-18.5N 064-33.5W



SAR A-2 Search Area



AREA CORNER POINTS

A-2 14-20N 064-35W, 14-29N 064-35W, 14-29N 064-15W, 14-20N 064-15W

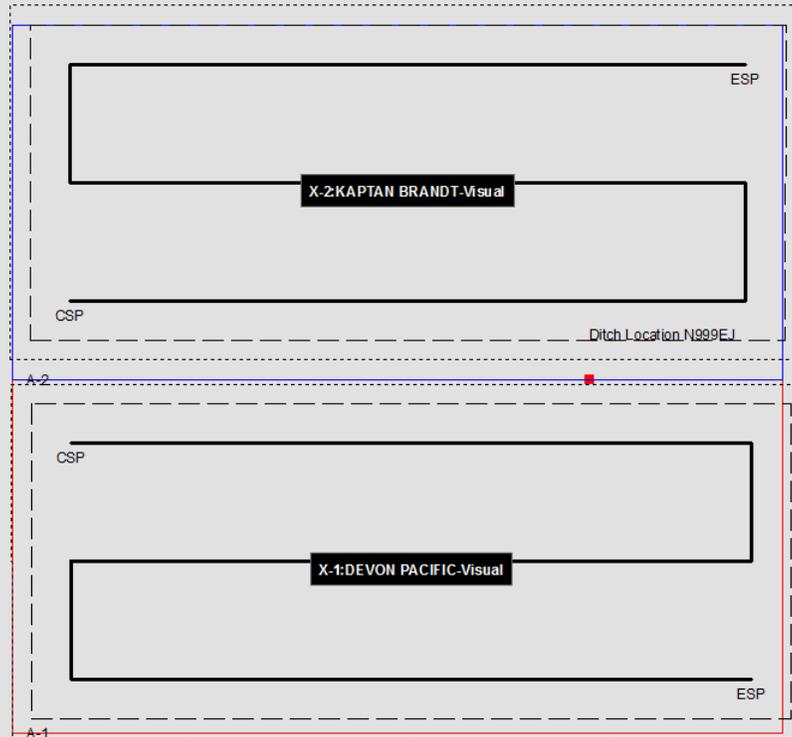
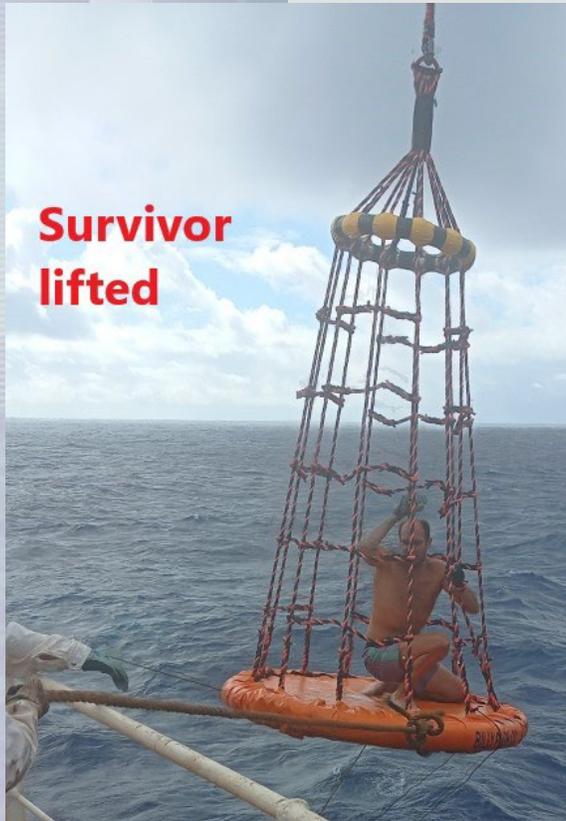
SAP A-2 Search Pattern



EXECUTION:

AREA	SRU	PATTERN	CREEP	CSP
A-2	KAPTAN BRANDT	PS	000T	14-21.5N 064-33.5W

SAP A-1 and A-2 Search Patterns





QUESTIONS AND DISCUSSION