

ICAO Global Civil Aviation Search & Rescue Conference 21-22 June 2010

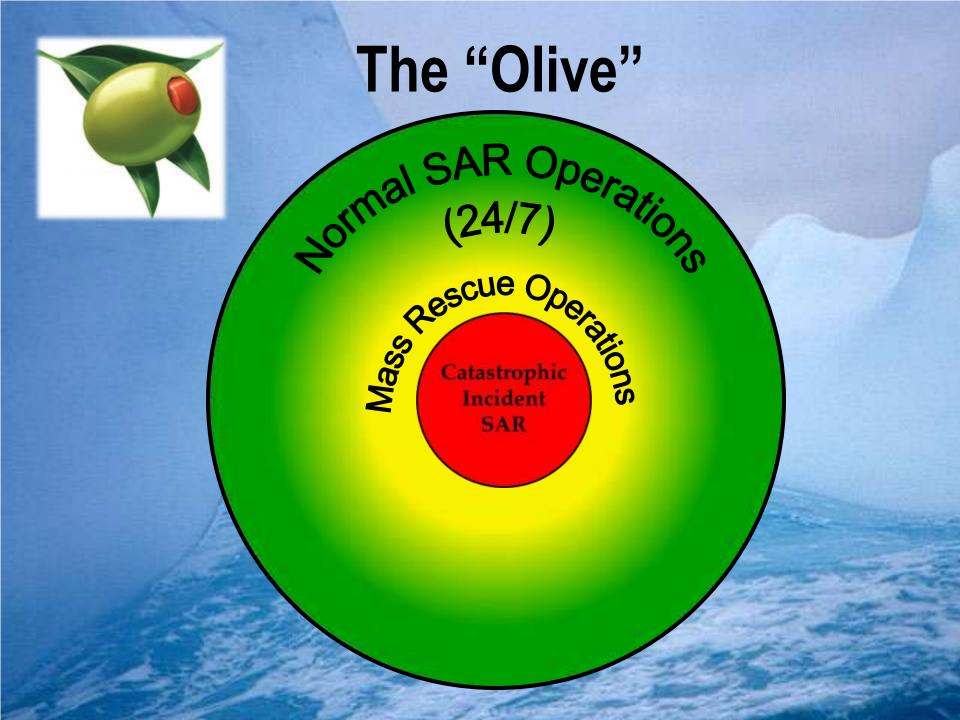


Civil/Military Cooperation in SAR

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www.uscg.mil/nsarc







"Normal" SAR:

SAR federal agencies conduct day in and day out throughout the year.

Any SAR case, not an MRO or Catastrophic Incident, can be considered a "Normal" SAR operation.

Potential Military Insertion Extraction Capabilities



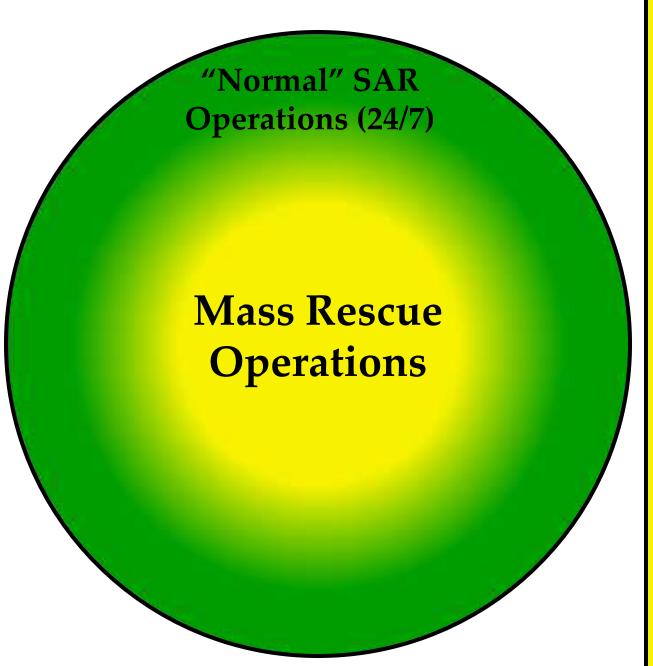












MROs:

Infrequent ops that require the search and rescue of large numbers of people.

Not considered
"Normal" SAR,
but also does not
meet the criteria
for a
Catastrophic
Incident.



MROs are low probability, high risk events!

" MROs are required less frequently than typical rescue efforts. Flooding, earthquakes, terrorism, and large passenger aircraft or ship disasters are examples of scenarios that may involve the need for MROs. Potential adverse consequences of poor preparedness for MROs are enormous."

Ref: NSS, paragraph 6.11.5

Top 6 of 13 Mass Rescue Scenarios

- ✓ Passenger Vessel Requires Evacuation
- ✓ Large Passenger Vessel Sinks
- ✓ Natural Disaster Requires Air, Land or Sea Rescue
- ✓ Mass Casualty Aboard Ship
- ✓ Rescue and Interdiction
- ✓ Airliner Crash

#10 Offshore Rig Sinks



Issues

- CG: Deliberate, comprehensive effort to plan for and respond to MROs
 - Established CG MRO Program with dedicated MRO Program Manager and District MRO personnel (Passenger Vessel Safety Specialists)
- For MRO responses offshore: Are DOD (AF SAR assets) available for support?
 - DOD/AF assets may be available, but not postured on alert.
- Requirements to provide additive support to CG/AF MRO response posture.
 - Coordinate possible use of AF assets
 - Joint AF/CG acquisition efforts to meet MRO capability gaps

AF MRO Capable Rescue Force

- Guardian Angel (Combat Rescue Officer/Pararescue)
 - Scuba qualified precision parachutist
 - EMT-Paramedics
 - Water/Field survival experts
- HC-130P
 - Specs similar to USCG HC-130H
 - Deploy PJs, rafts, water skis, zodiac boats, supplies
 - Air refuelable helos (USAF Rescue, SOF, Navy/USMC)
- HH-60G
 - Extra fuel internal vice external
 - Deploy PJs, slung zodiacs, supplies
 - Air refuelable from tankers (USAF, USMC, SOF)
- SAR Task Force SATCOM, integrated C2, long range overwater capable; (interoperable) with CG assets

USAF SAR Task Force CONOPS

CONOPS:

REPORT:

- USCG District RCC alerts AFRCC
- AFRCC sources and provides SAR Forces to USCG

LOCATE:

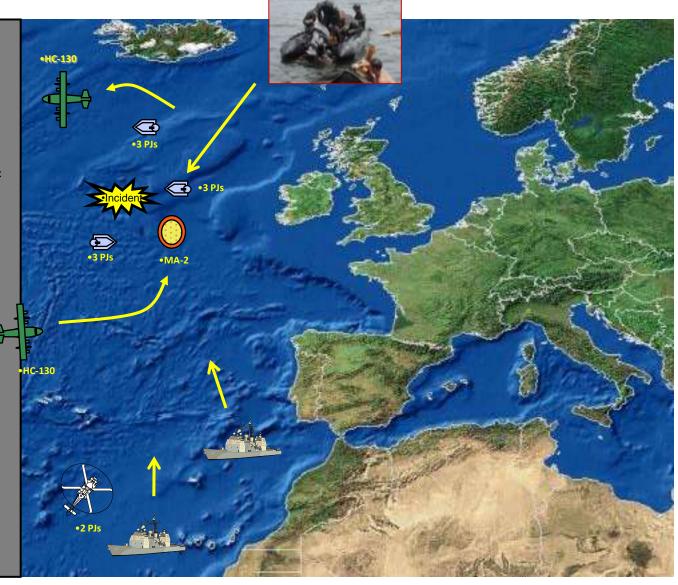
 USCG or USAF C-130's arrives incident site, overhead C2

SUPPORT/RECOVER:

- Assess situation, report to RCC
- Deploy extra rafts, supplies
- Deploy PJs and boats (zodiac/waverunner)
- Collection Point (CCP) using 20-man life raft
- Treat injuries
- USCG vectors surface vessels
- As needed, long range USAF helos deploy enroute for critical casualties

RETURN:

- Surface vessell arrives, onloads survivors and PJ
- Air assets cycle as needed for rescue escort

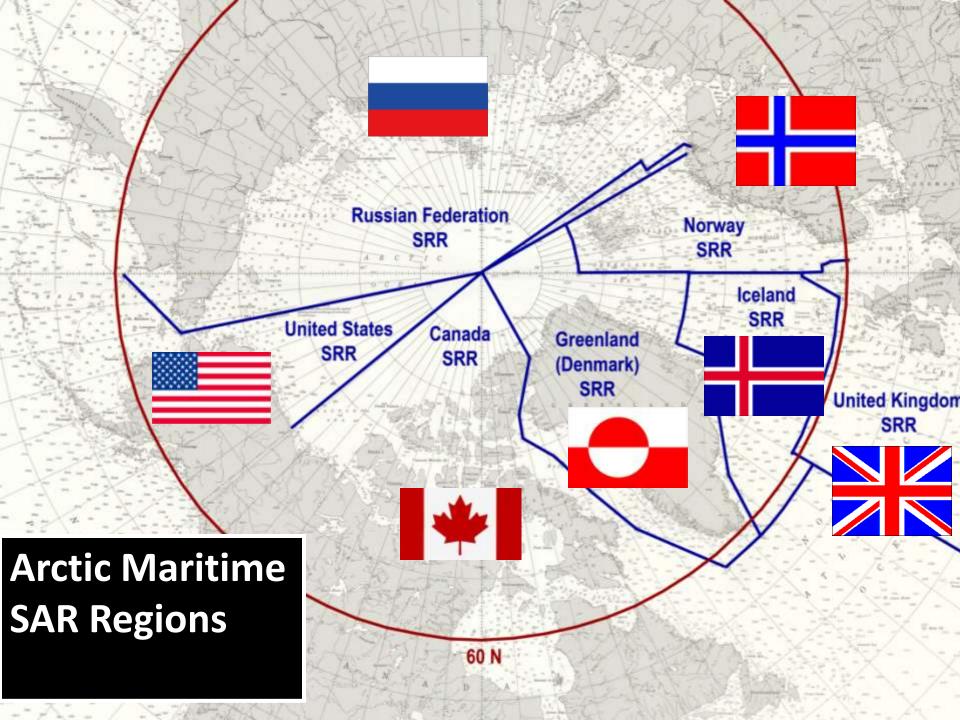


•OPR: 16 AF/OPT

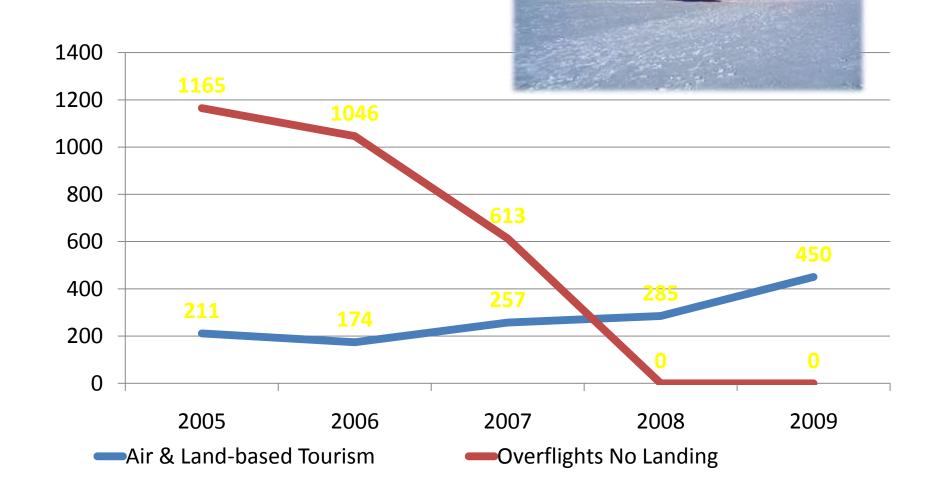
Recommendations

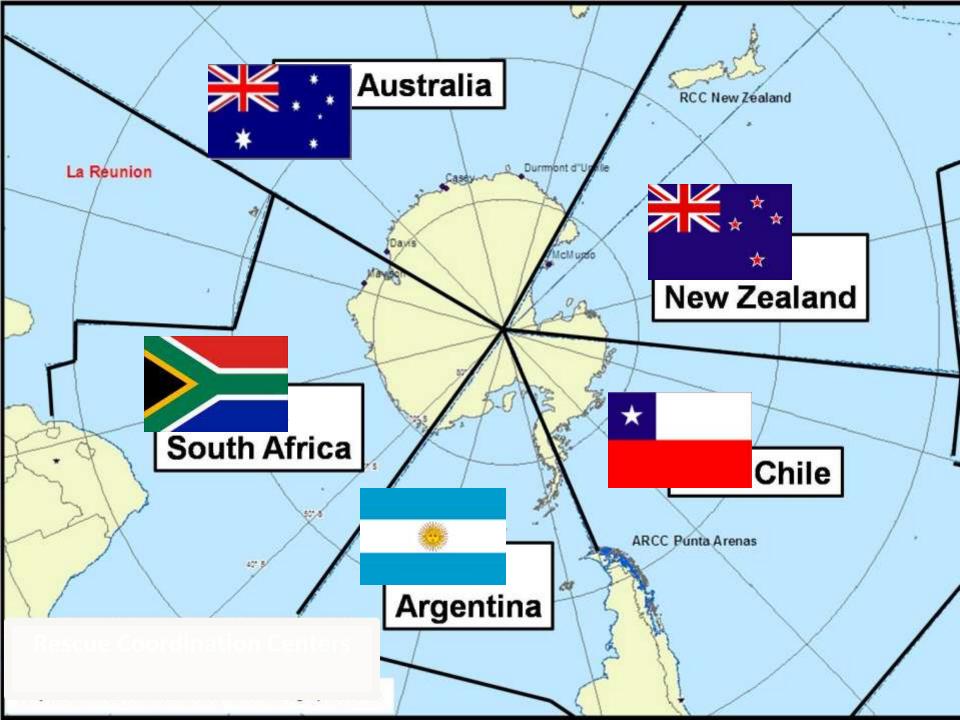
- 1. Current: USAF and USCG partner on operational support
 - Leverage relationship between 1 AF (AFRCC) and CG Districts
 - Develop interagency agreement to provide MRO response support options
- 2. <u>Future</u>: Implement Joint CG/AF Work Group to examine and develop COAs for future options
 - Review resources and look for common joint programs for CG/AF partnership
 - Review existing programs for MRO response resource sharing





Air & Land-based Tourism & Over-flights, No Landing





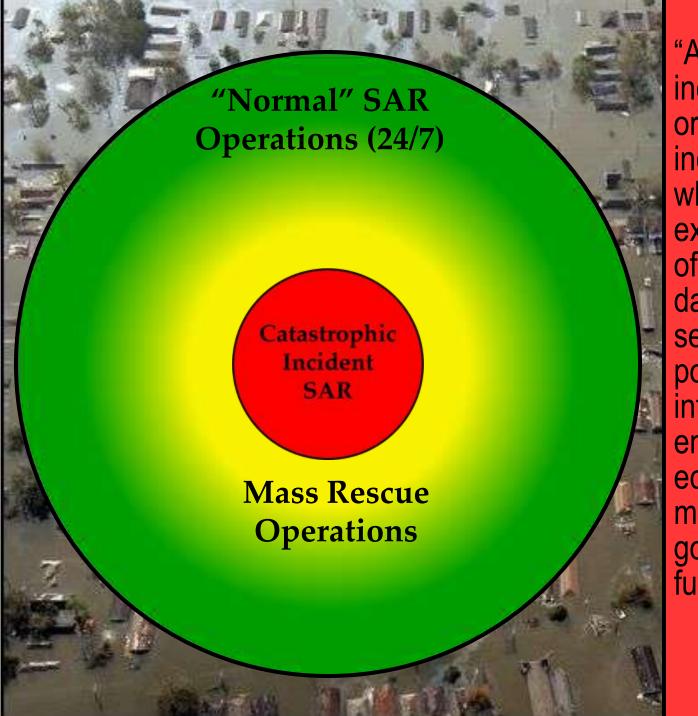
Search & Rescue Agreements

Challenges:

- Boundaries (FIRs & RCC)
- Assistance Entry: Application to aircraft & Landing Clearance issues

Solution is resolve those issues in the agreements *However challenges arise when not signatories or

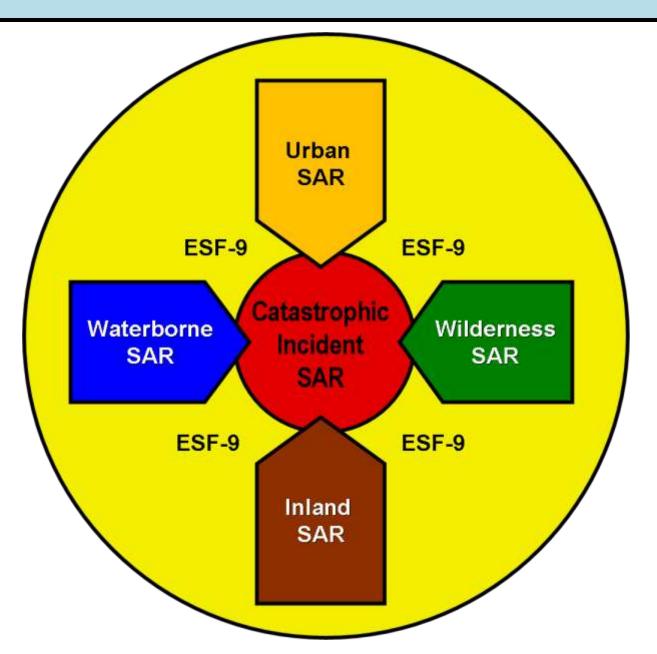
when considered Military/State Aircraft



"A catastrophic incident is any natural or manmade incident, including terrorism, which results in extraordinary levels of mass causalities, damage, or disruption severely affecting the population, infrastructure, environment, economy, national morale, and/or government functions."

National Response Framework, page 42

ESF – 9 and the Olive



Aircraft Coordination

- •Major challenges experienced during CISAR & MROs with coordinating numerous aircraft missions.
- Civil Air Traffic Control usually not equipped or staffed to handle low level mass rescue operations occurring outside Airport Traffic areas.

Solution:

Civil/Military cooperation: Ground & Air Traffic Control capabilities.

IMO: International SAR Convention (1979)

ICAO: Convention on Civil Aviation (1944)

Global SAR Plan

Int'l Aeronautical & Maritime SAR (IAMSAR) Manual

U.S. SAR System (NSARC)

- U.S. Nat'l SAR Plan - Nat'l SAR Supplement (NSS) to the IAMSAR Manual

NRF (2008)

ESF-9

Coast Guard Addendum

Inland SAR Addendum SAR Legal Addendum

CIS Addendum

