Air Force Rescue Coordination Center Mission Brief

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Air Force Rescue Coordination Center

This Briefing is: UNCLASSIFIED
Overview

International SAR system
Mission and Authority
Organization
Operations
## International SAR Organization

### Governing Agency

**ICAO / IMO (UN agencies)**
- International Civil Aviation Organization
- International Maritime Organization

**National SAR Committee (NSARC)**
- DHS – USCG Chair (1-Star)
- Commerce – NOAA
- Interior – NPS
- Defense – DPMO / AFRCC
- NASA – SAR Mission Mgt
- FCC – Wireless Division

### Guidance

**IAMSAR Manual (2008)**
- International Standards
- Requires National Policy

**National SAR Plan (2007)**
- Defines civil SAR authorities and responsibilities

- Catastrophic SAR (CIS)
- Inland SAR Addendum
- Maritime Addendum
AFRCC Charter

“The US Air Force is designated as the SAR Coordinator for the recognized aeronautical SRR corresponding to the continental U.S., other than Alaska.” – National SAR Plan

- Missing/overdue aircraft
- Inland emergency (distress) beacons
- Coord state requests for assistance (e.g. missing persons, MERCY)

No Tasking Authority -- “Ask for Assistance, Not Task”

Considerations when using DoD assets

- Legality
- Lethality
- Risk
- Cost
- Appropriateness
- Readiness
CIVIL SAR FACTS

• AFRCC Coordinates Federal SAR services in CONUS
  • Federal (National Park Service, Coast Guard RCCs)
  • States (CONUS only)
  • International (Canada and Mexico)

• Local, state, tribal SAR organizations are the first responders to day-to-day SAR events within the U.S.
  • Designated State SAR Coordinators will request Federal SAR assistance when overwhelmed or require specialized capability
  • AFRCC coordinate all federal assistance
Chain of Command

Air Combat Command (Gen Corley)

1st AIR FORCE (MG Morrow)

601st Air Operations Center (Col Kriner)

Air Force Rescue Coordination Center (Lt Col Hudson)

Rescue Coordination Center (Tyndall AFB, FL)

National SAR School (Yorktown, VA)

CONUS SAR Coordinator
• Legal Agreement between SAR Coordinator and each State Governor

• Operational document between AFRCC/CC & each State SAR agency (Dictates day-to-day CONUS SAR Operations)
AFRCC Manning (Assign/Auth)

Personnel Mix
- Rated leadership (CC/DO/SAR School Chief)
- Officers (86P0): Career broadening
- Enlisted (1C3X1): C2 Specialists; Special Duty coded

Training
- Civil SAR Qualification
  - Civil SAR Qualification Training (in house): ~ 3 months
  - Inland SAR Planning Course: 1 week
- Combat Mission Qualification
  - IQT: AOClQT- PR: 5 weeks
  - MQT: PR-102, PR-120, FEMA DSCA courses (5 x CBTs)

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• Automated SAR Mission Management System
• Real-time automated receipt of SARSAT emergency beacon detections
• Mission Log
• Search Planning
• Contacts
• Asset Tracking
• Survival Model
• Objective Info
• Activity database
US SAR Advocacy

- DoD advisor to National Search and Rescue Committee
- SARSAT Program Steering Group/Joint Working Group
- NSARC Working Groups -- R&D, Mass Rescue, and Preventive SAR
- NSARC 121.5/243.0 Beacon Phase-out Working Group
- ICAO-IMO Joint SAR Working Group (Vice-Chairman)
- Government Interface track lead for annual NASAR Conference
- National Crash Locator
- United States PLB Program Manager
- DASS Program Lead

All required under NSP, NSARC, DoD Directive, or SARSAT interagency agreement
SINGLE FEDERAL AGENCY FOR AERONAUTICAL SEARCH AND RESCUE IN THE INLAND AREA OF THE UNITED STATES

Tyndall AFB, FL
Contact Us

Commander – Lt Col Jed Hudson
Director of Operations – Lt Col Clifton Hicks

AFRCC Console (24/7 ops for civil SAR)
DSN 523-5955 / Comm 1-800-851-3051
Email: afrcc.console@tyndall.af.mil
http://www.1af.acc.af.mil/units/afrcc/

JPRC Console (Contingency Only)
DSN: 523-5743/4  Comm: 1-877-430-0781
Email: 601AOC.JPRC@tyndall.af.mil
https://operations.noradnorthcom.mil/sites/AFNORTH/601AOC/JPRC
USNORTHCOM (AOR)
2007 MISSION ACTIVITY

~69% SOLVED WITHOUT FEDERAL RESOURCES COMMITTED

1.3 LIVES EVERY DAY

14,573 SAVES SINCE ACTIVATION IN 1974

1.3 LIVES EVERY DAY

AFRCC

2296 MISSIONS

468 SAVES

7322 INCIDENTS

610/MONTH

20/DAY

191/MONTH

6/DAY
2008 Mission Activity

~68% SOLVED WITHOUT FEDERAL RESOURCES COMMITTED

AFRCC

2344 MISSIONS

190 SAVES

1 LIFE EVERY 2 DAYS

7412 INCIDENTS

20/DAY

2008 Mission Activity

OVER 14,754 SAVES SINCE ACTIVATION IN 1974

6/DAY
• **CY 07 CAP SAR**
  - Missions: 2190
  - Personnel: 18,928
  - Aircraft Used: 1894
  - Sorties: 2766
  - Flt Hours: 6230
  - Saves: 77

• **CAP actively involved in 95% of all AFRCC missions**
AFRCC / CAP Joint Projects

- Wing Mission Information Reporting System (WMIRS)
  - Nation-wide alerting
  - Auto generated mission report (CAP Form 122)
  - Monitor daily resource status
  - Common Operating Picture (COP)
- Cell Phone Triangulation
  - Develop SOPs
  - Develop CAP Training Module
- Radar Forensics
  - Develop SOPs
  - Develop USAF/CAP Training Module
  - Future Capability within 601 AOC
“To promote standardization and professionalism within the search and rescue community by providing comprehensive SAR training to selected Coast Guard, Air Force and other personnel.”
International Coordination

CANADA

• Cooperative Coordination between RCCs

• Direct Liaison Authorities

• For international incidents – courtesy brief to State Department
International Coordination
MEXICO

• Cooperative Coordination
  • Request to State Department from Mexican Government
  • State Department (Consulate) to AFRCC
  • Mexican RCC to AFRCC
  • AFRCC back to Mexican Consulate

• Who and how many can enter Mexican airspace?

• Discussions underway for Memorandum
Notable AFRCC Mission - John F. Kennedy Jr

Kennedy’s intended route
A plane piloted by John F. Kennedy Jr. carrying his wife and her sister disappeared Friday night en route to Martha’s Vineyard.

Departure
Friday, 8:30 p.m.
Fairfield
N.J.

Intended route

Debris found

Hyannisport

Last contact
Friday, 9:40 p.m.
Martha’s Vineyard
CASE STUDY – N2006S

- N2006S – Taylorcraft F-21A
- Flight – Pullman Airport, Eastern Washington to Slate Creek Airport, Slate Creek, Idaho
- 1 POB
- Located short of destination in water
  - Attempted to land on sand bar in river
  - Engine quit, nosed over and sank
  - Pilot saved with minor injuries
CASE STUDY

• 121.5 First Merge – 31/0341Z Dec 08
  • Received by the AFRCC at 0359Z
• Contacted Idaho DOA since they are in charge of ELTs
• Investigation begins
• Open mission with Civil Air Patrol 31/0445Z
• Informed by Idaho DOA of possible overdue aircraft from Eastern Washington State to Idaho
• Correlation of ELT confirmed 31/1017Z
  • ELT and aircraft being investigated together prior to confirmation
• Requested radar forensics 31/1028Z & 1046Z
• Received first radar data 31/1202Z
• Requested cell phone forensics 31/1325Z
Unclassified
For Official Use Only
This is one of many tracks in the vicinity. The red track shows an arrival into Pullman, The purple track shows a departure out of Pullman.
CASE STUDY

• 31/1550Z – Radar and cell phone forensics match information to location
• 31/1652Z – Idaho DOA reports acft and pilot located in Salmon River, north of Slate Creek, ID.
• Demobilization
• Notifications

• ELT – 45 57.4N 116 09.8W
• Crash Site – 45 49.4N 116 18.3W
• 1 SAVE
QUESTIONS??