



AFRCC Overview

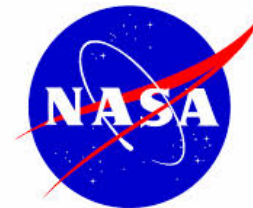
SAR Controllers Workshop 2017

February 28 – March 2, 2017

Capt Kristen Chang

Senior Controller

Air Force Rescue Coordination Center



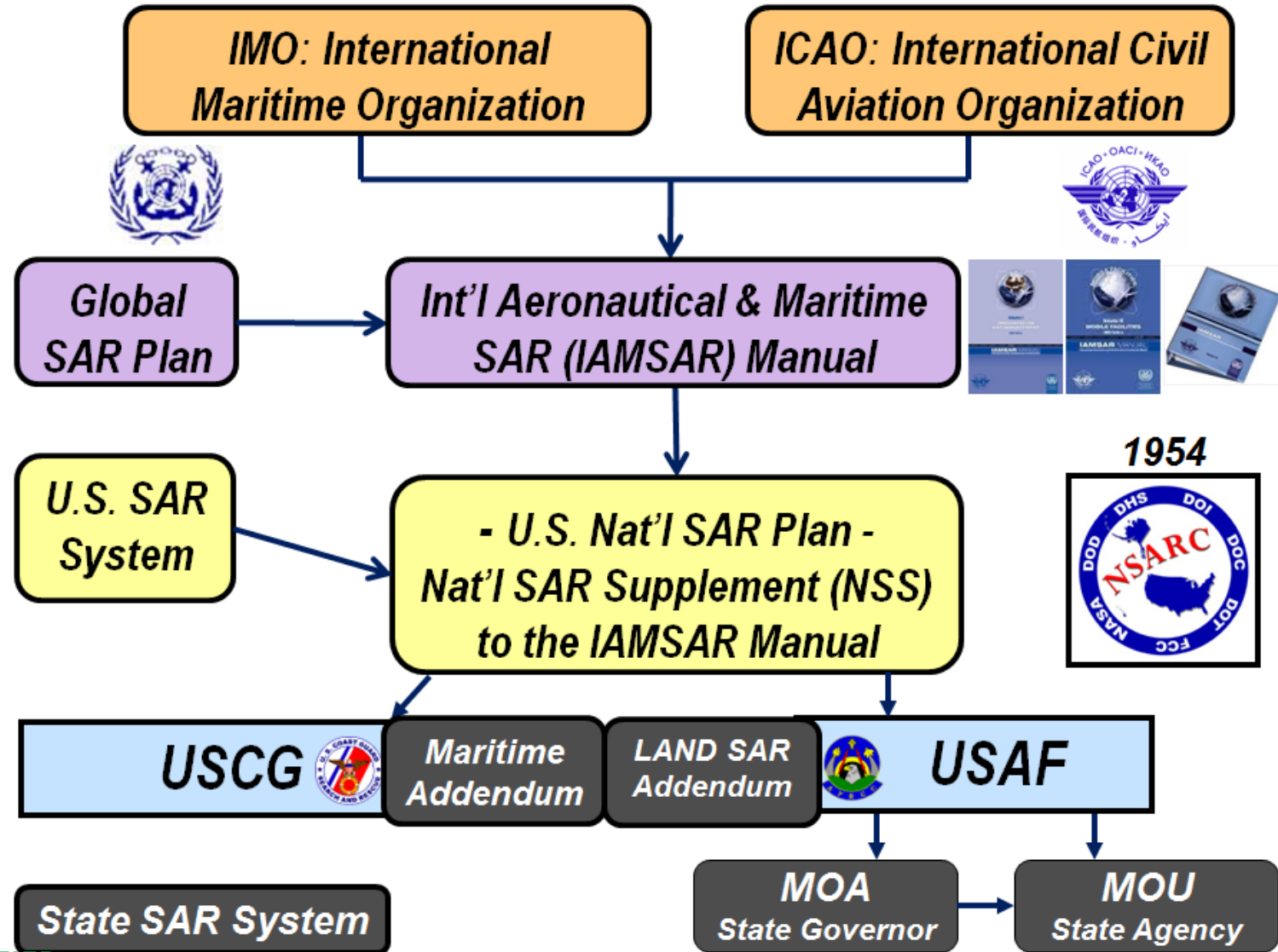


Overview

- Doctrinal Guidance
- SAR Responsibilities
- Civil SAR CONOPs
- Unique SAR Tools
- 2016 Mission Statistics

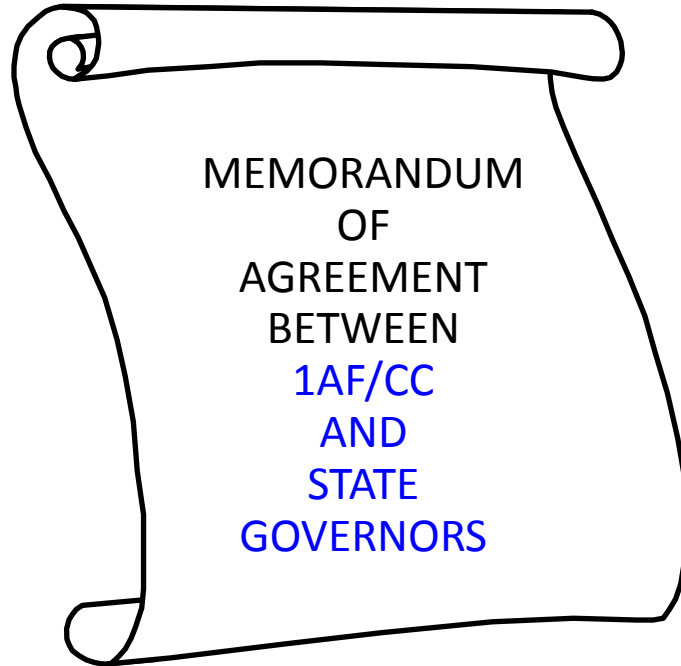


Doctrinal Guidance

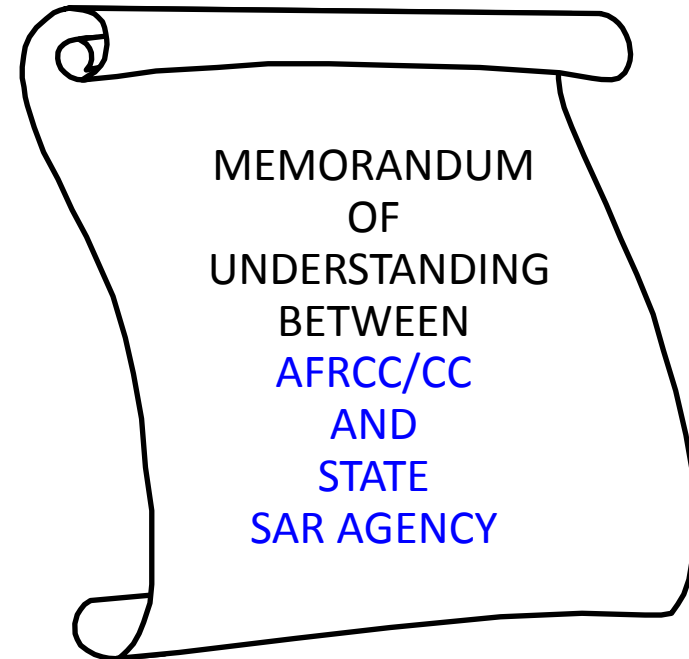




National SAR Responsibilities



- 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 Flexfile

MOU Dated: July 2009

<u>DISTRESS</u>	<u>AGENCY OVERALL IN CHARGE</u>	<u>AFRCC ACTIONS</u>
<i>Aircraft</i>	<i>MD State Police</i>	<i>Coord with MD SP</i>
<i>Persons</i>	<i>MD State Police</i>	<i>Coord with MD SP</i>
<i>ALNOT</i>	<i>AFRCC</i>	<i>Coord with MD SP @ MSN</i>
<i>ELT/EPIRB</i>	<i>AFRCC</i>	<i>Coord with CAP</i>
<i>PLB</i>	<i>MD State Police</i>	<i>Coord with MD SP</i>
<i>Rescue/Medevac Mercy</i>	<i>AFRCC</i>	<i>Coord with MD SP</i>
<i>NAWAS</i>	<i>No Restrictions</i>	



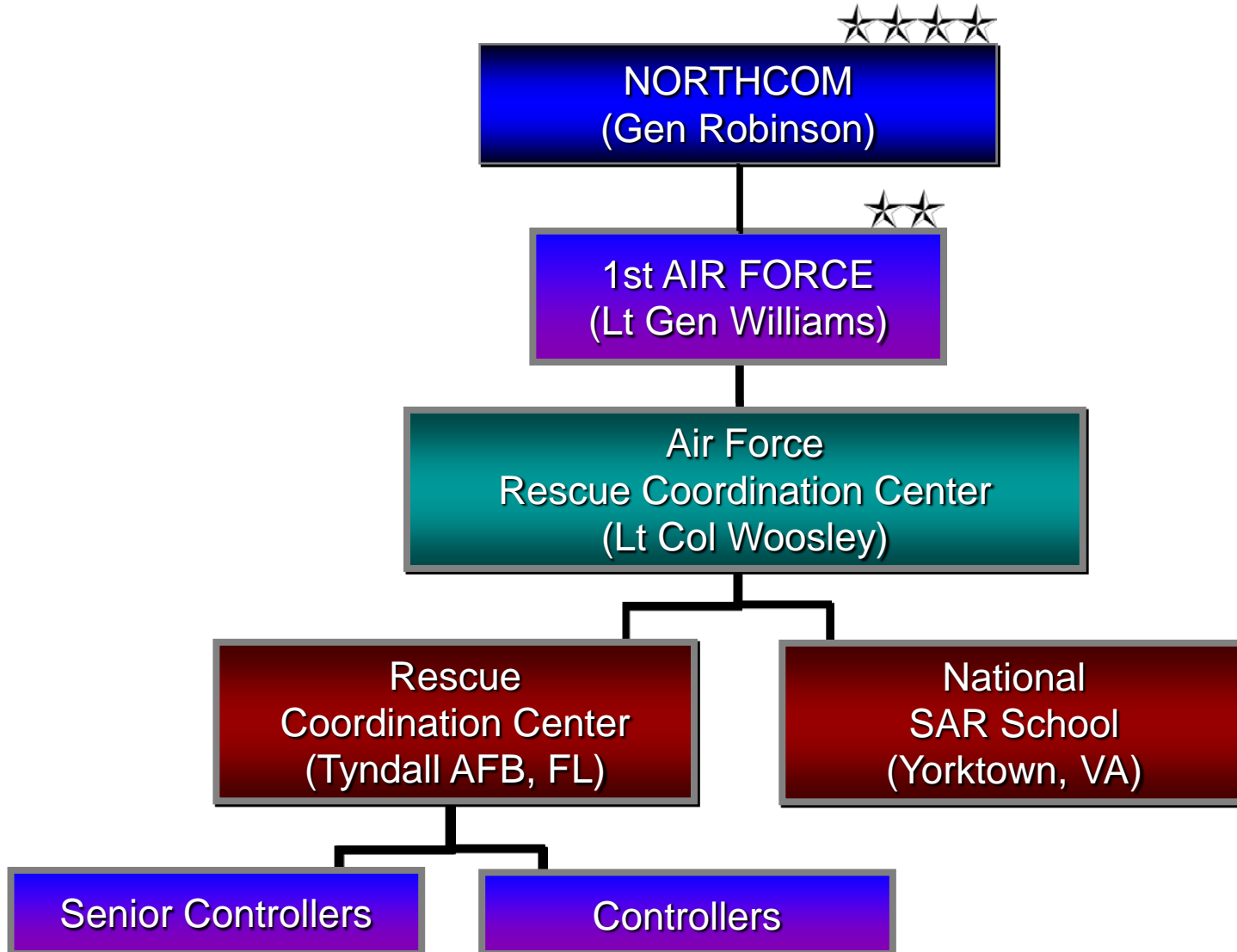
AFRCC Responsibility

➤ Area of Responsibility

- Coordinate federal inland commercial, military, and interstate aeronautical SAR in the contiguous U.S.
 - Manage all inland beacon searches
 - Assist states with non-aircraft missions
-
- States retain responsibility for SAR within their sovereign boundaries until they become overwhelmed or require specialized equipment
 - Requests for federal resources are made by the “Responsible Agency” within the state.
-
- Validate requests / broker for federal assistance
 - Save life, limb, eyesight, or prevent undue suffering
 - **“Ask, don’t task” - no tasking authority**



Chain of Command





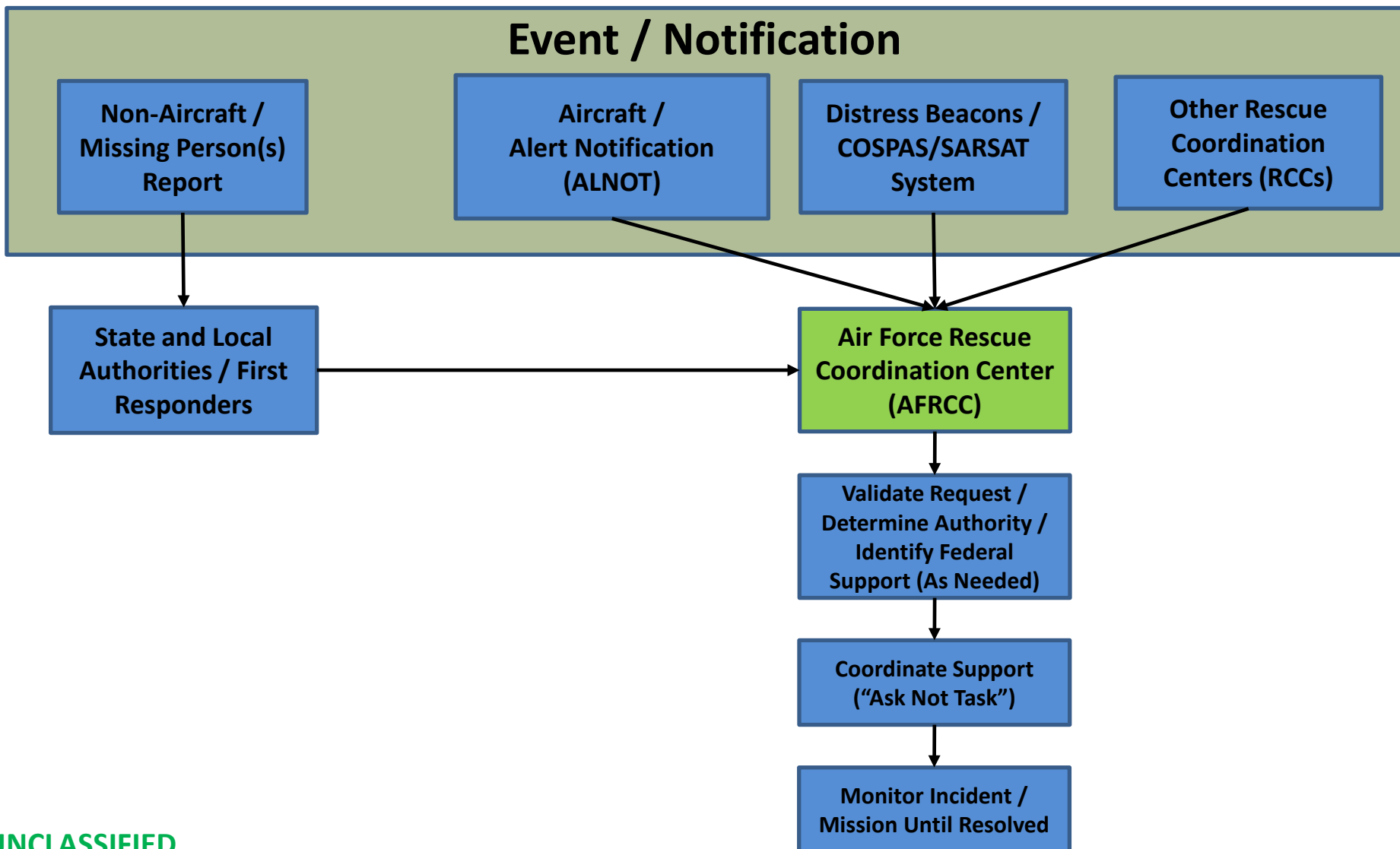
Additional Responsibilities

- National Search and Rescue School (Inland SAR)
- Basic Inland Search and Rescue Course (BISC)
- USAF advisor to OSD/DPMO (DoD) on National Search and Rescue Committee (NSARC)
- NSARC Working Groups
- Combat Search and Rescue (CSAR) support
- Support to foreign RCCs and COCOM JPRCs/PRCCs
- SARSAT Program Steering Group & Joint Working Gp
 - ❖ One of three primary funding agencies w/NOAA & USCG
- ICAO-IMO Joint SAR Working Group
- Federal interface lead for annual state/NASAR/CAP conference(s)
- National Crash Locator Database
- United States Personal Locator Beacon (PLB) Program
- CSEL Support Center (Tertiary world-wide)
- Distress Alerting Satellite System (DASS) Program

All required under ICAO/IMO Treaty, NSARC/NSP, DoD Directive, or SARSAT interagency agreement



AFRCC Civil SAR CONOPS





Unique Tools for Searchers

Helos with FLIR/NVGs

- Source – USAF, USA, AFRC, ANG, NG, CAP
- Results:
 - All Weather/Anytime Search

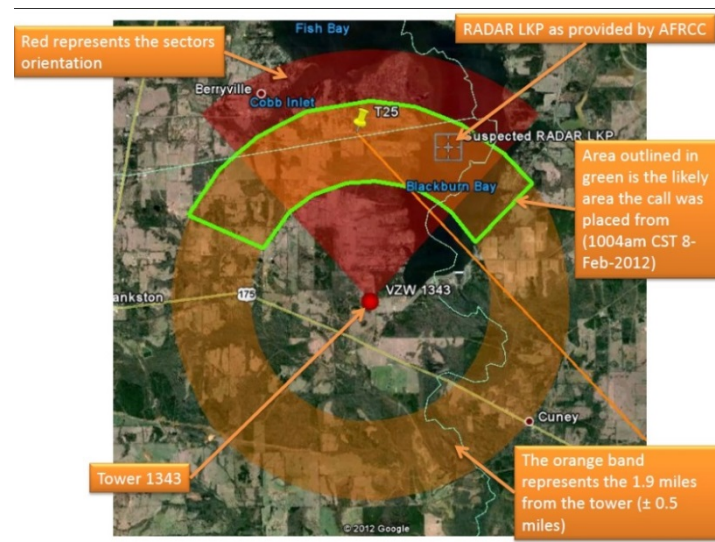
Radar Forensics

- Sources – USAF, FAA, & NHQ CAP
- Results:
 - Last Known Position (LKP)
 - Heading, Altitude, & Speed
 - Maneuvers



Cell Phone Forensics

- Source – NHQ CAP
- Results:
 - Recent Activity
 - Last Known Position (LKP)

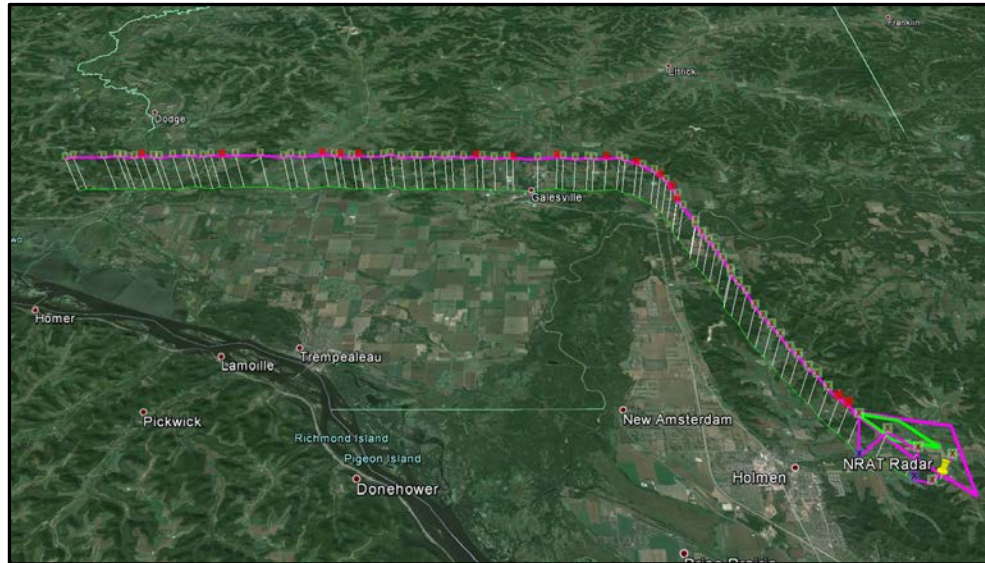


Confined Space/High Angle Rescue

- Source – USAF, AFRC, ANG, NG
- Results:
 - Mountain-side rescue
 - Cave, water, collapsed structure search



Aircraft Searches

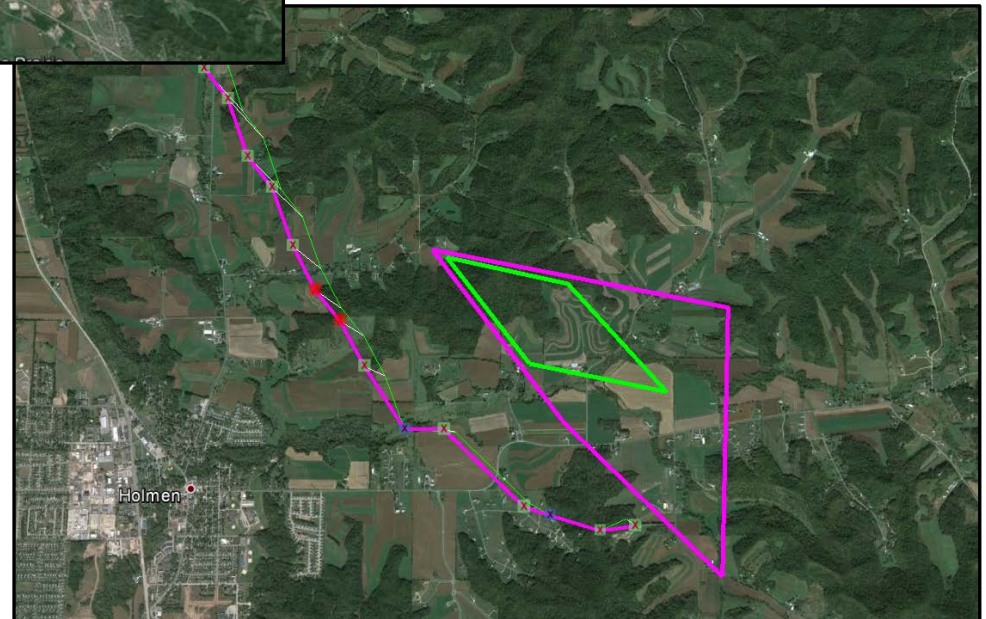


• Alert Methods

- FAA
- Family Concerns
- Military Aircraft

• AFRCC Actions

- Initial Investigation in coordination with FAA
- Mission Initiation (Radar, Cell, Search Teams)





Radar Forensics

INFOCON: 3 UNCLASSIFIED CAP - National Radar Analysis Team (NRAT) NHQ-008
Track Candidate: 16-M-0078 - track - 2

FOR MISSION USE ONLY

Track Candidates
Custom Overlays

4x
Feb 12 2016
00:40:21 UTC

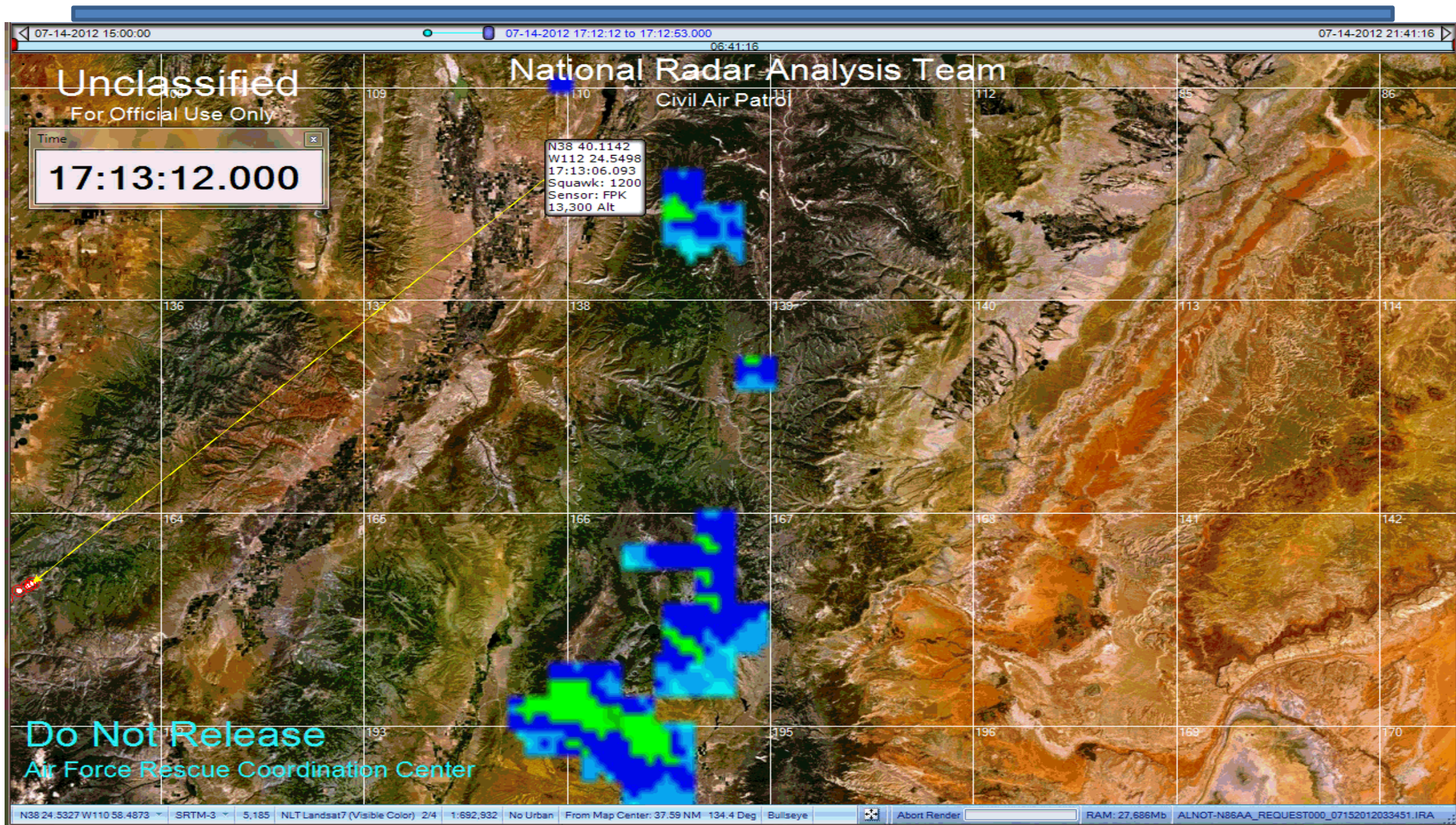
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0:33:00.000 Feb 12 2016 00:34:00.000 Feb 12 2016 00:35:00.000 Feb 12 2016 00:36:00.000 Feb 12 2016 00:37:00.000 Feb 12 2016 00:38:00.000 Feb 12 2016 00:39:00.000 Feb 12 2016 00:40:00.000



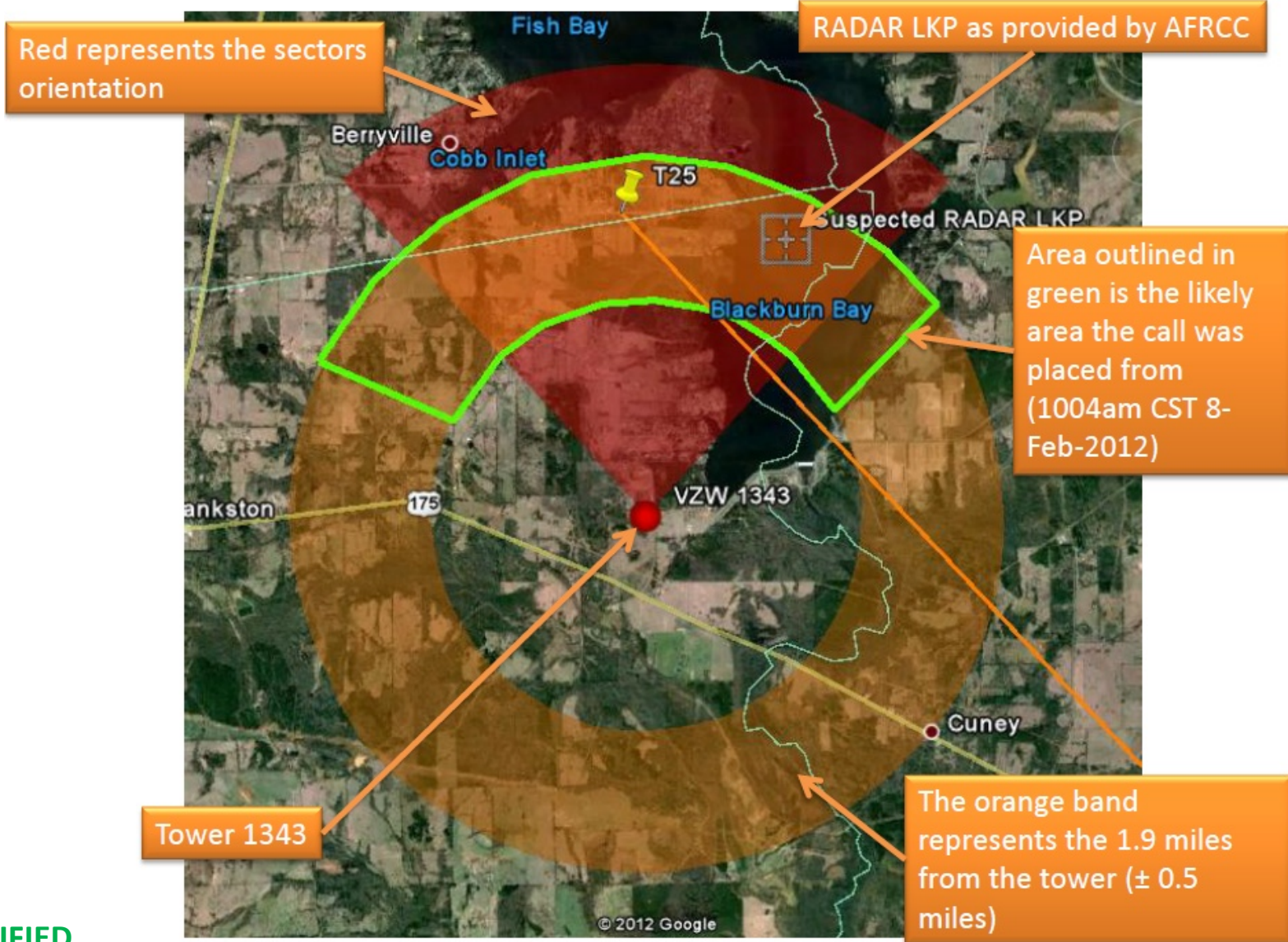


Radar Forensics





Cell Forensics





Basic Inland SAR Course Dates for FY17

<u>Number</u>	<u>Dates</u>	<u>Location</u>
17-01	22-23 Oct 16	Camp Dawson, WV
17-02	19-20 Nov 16	Westover ARB, MA
17-03	28-29 Jan 17	Tucson, AZ
17-04	25-26 Feb 17	Fayetteville, NC
17-05	18-19 Mar 17	Hayward, WI
17-06	22-23 Apr 17	Kempton, PA
17-07	3-4 May 17	Laramie, WY
17-08	17-18 Jun 17	Dover AFB, DE
17-09	22-23 Jul 17	St. Johns, MI
17-10	19-20 Aug 17	Woodstock, MD
17-11	16-17 Sep 17	Valparaiso, IN

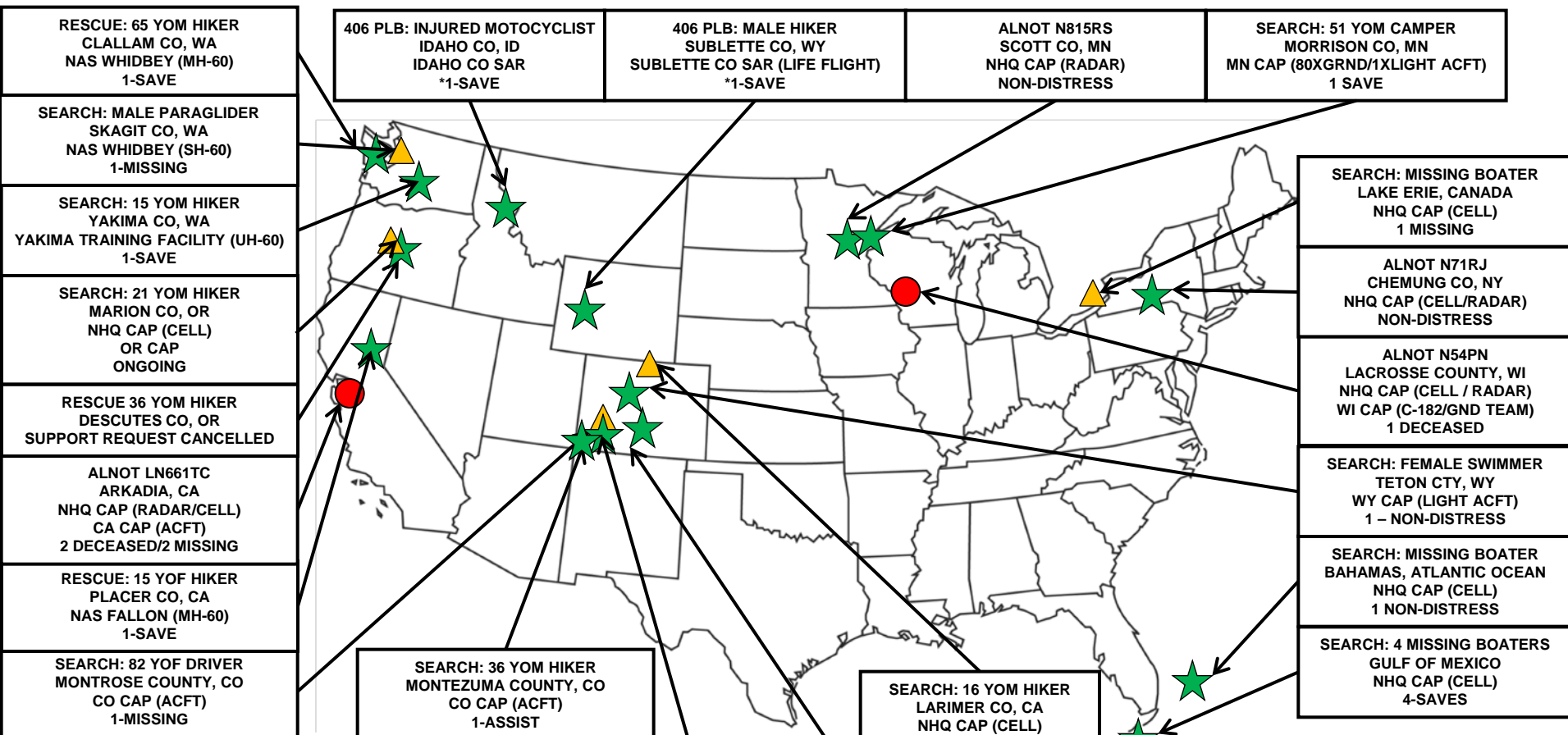


National SAR School Dates for FY17

<u>Number</u>	<u>Dates</u>	<u>Location</u>	<u>App Deadline</u>
17-01	24-28 Oct 16	TRACEN Yorktown, VA	12 Sep
17-02	7-11 Nov 16	Glendale, AZ	26 Sep
17-03	5-9 Dec 16	Meridian, MS	24 Oct
17-04	9-13 Jan 17	Eugene, OR	28 Nov
17-05	6-10 Feb 17	Nashville, TN	19 Dec
17-06	20-24 Mar 17	Salt Lake City, UT	6 Feb
17-07	10-14 Apr 17	Frankfort, KY	27 Feb
17-08	1-5 May 17	Oriskany, NY	20 Mar
17-09	?? June 17	New Orleans, LA	Apr
17-10	17-21 July 17	Bismarck, ND	5 Jun
17-11	21-25 Aug 17	Bloomington, IL	10 July
17-12	11-15 Sept 17	Little Rock, AR	31 July



AFRCC WEEKLY SUMMARY



TOTALS	25 – 31 JUL 16	CY2016
Incidents	193	4584
Missions	28	513
Saves	14	174

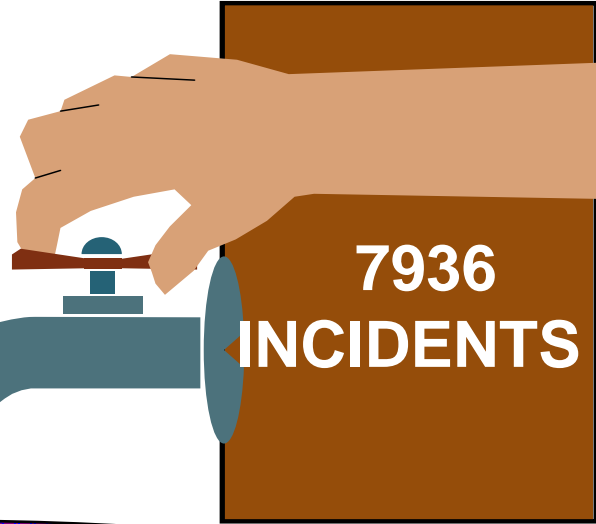
- Save / Non-distress
- Ongoing / Missing
- Deceased



2016 Mission Activity

Busiest RCC in the World

**~90% SOLVED
WITHOUT
FEDERAL RESOURCES
COMMITTED**



**7936
INCIDENTS**

22/DAY



AFRCC



**969
MISSIONS**

2.7/DAY

**1 LIFE
EVERY
1.03 DAYS**

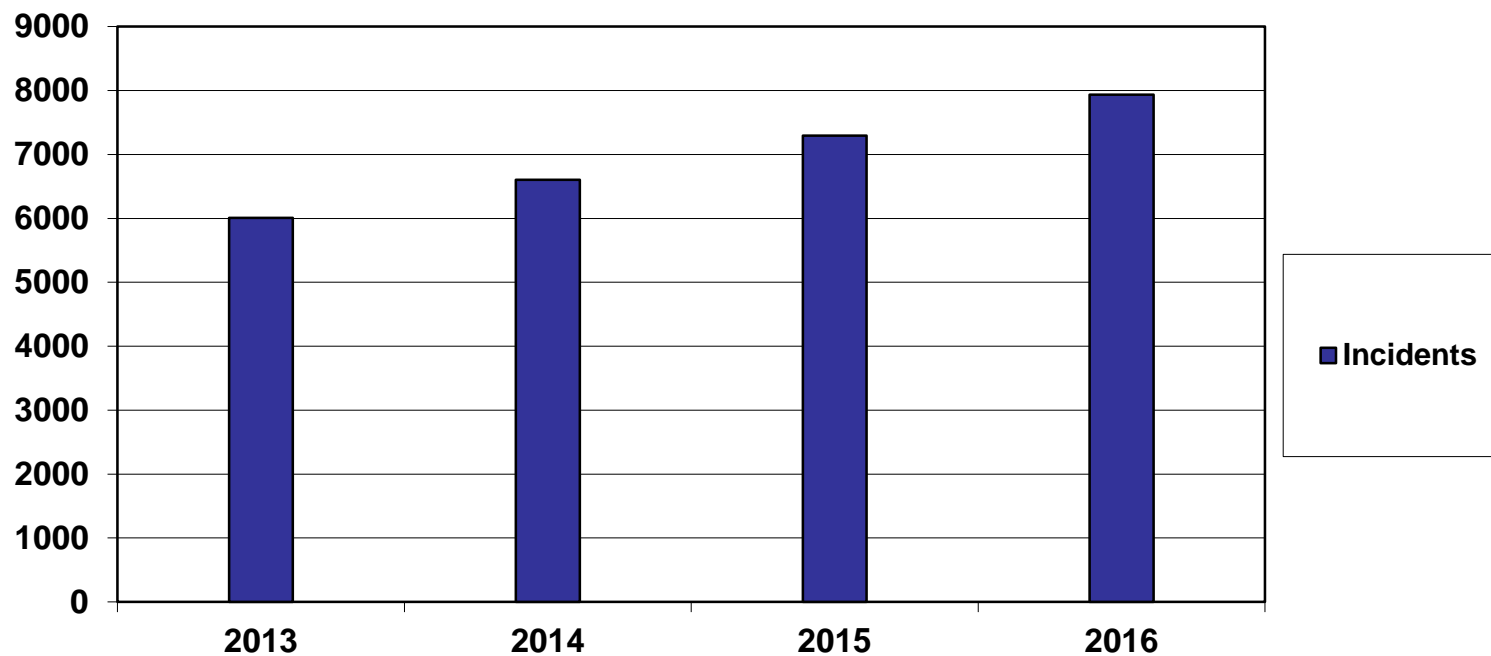


**354
SAVES**

**OVER 16,672 SAVES SINCE
ACTIVATION IN 1974**



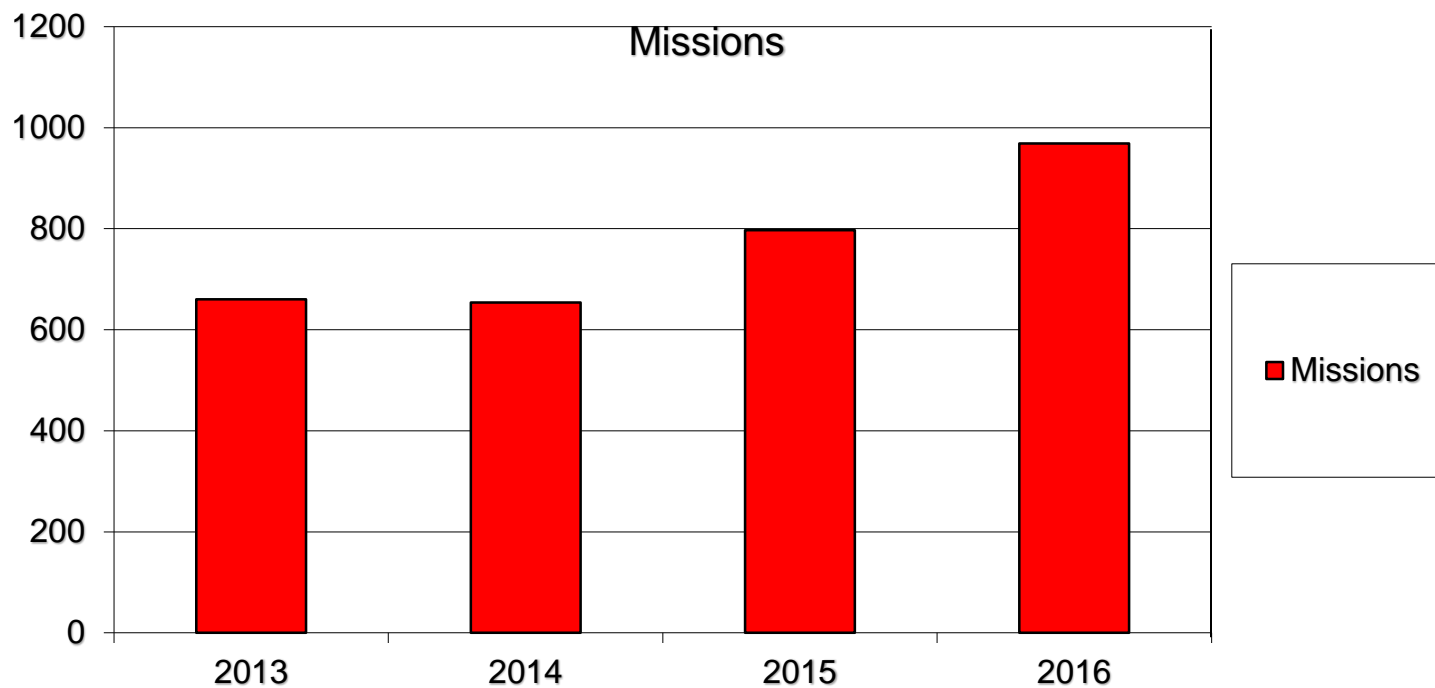
2016 Mission Activity



<u>Year</u>	2013	2014	2015	2016
<u>Incidents</u>	6010	6603	7293	7936



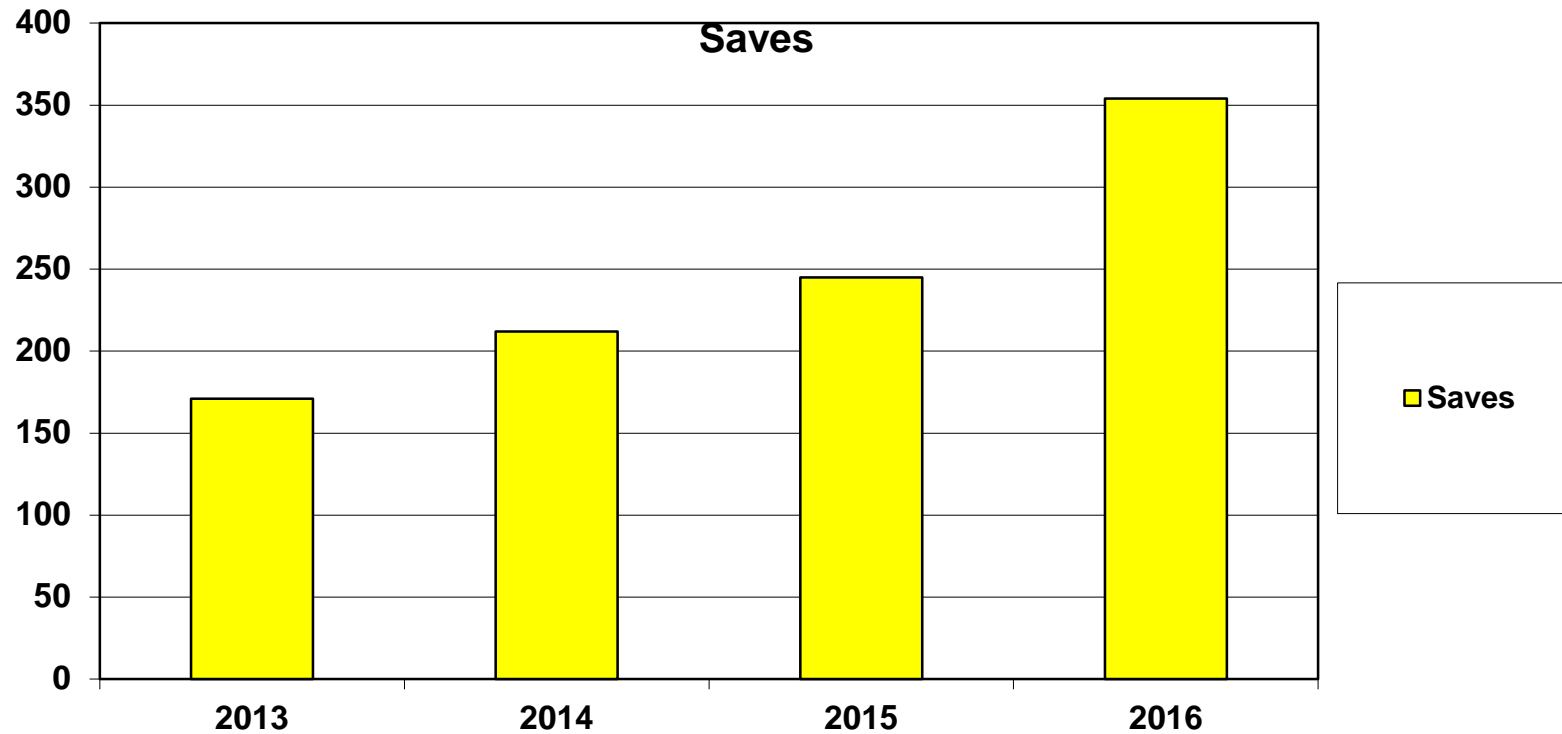
2016 Mission Activity



<u>Year</u>	2013	2014	2015	2016
<u>Missions</u>	660	654	797	969



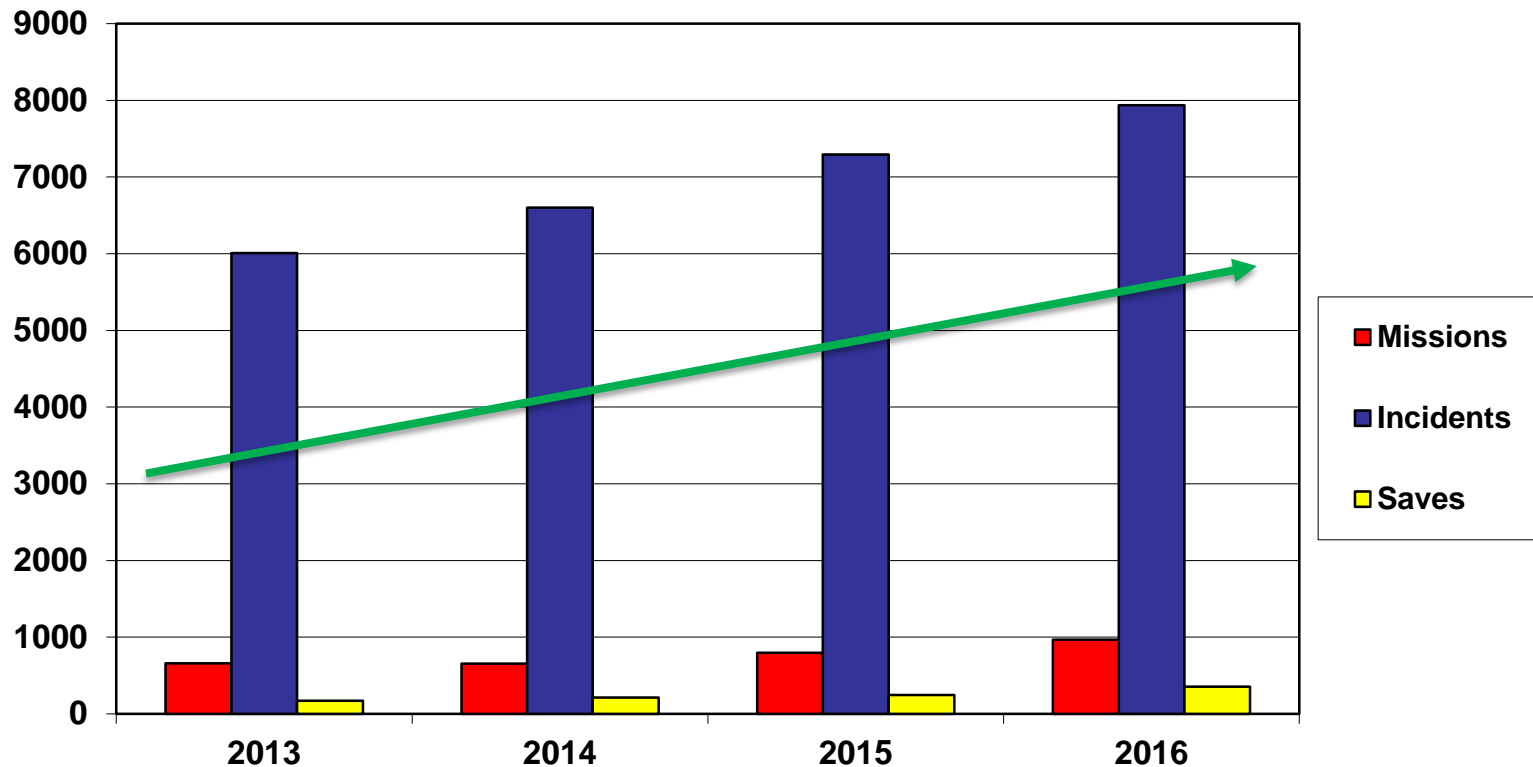
2016 Mission Activity



<u>Year</u>	2013	2014	2015	2016
<u>Saves</u>	171	212	244	354



2016 Mission Activity



Year	2013	2014	2015	2016
Missions	660	654	797	969
Incidents	6010	6603	7293	7936
Saves	171	212	244	354



2016 Mission Activity

TOTALS	CY 2016	CY 2015	CY 2014	CY 2013
Incidents	7936	7293 9%	6603 20%	6010 32%
Missions	969	797 22%	654 48%	660 47%
Saves	354	244 45%	212 67%	171 107%



Summary

- Doctrinal Guidance
- SAR Responsibilities
- Civil SAR CONOPs
- Unique SAR Tools
- 2016 Mission Statistics



Points of Contact

- AFRCC Console (24/7 ops)
DSN 523-5955 / Comm 800-851-3051 or 850-283-5955
<http://www.1af.acc.af.mil/units/afrc/>
- Commander
 - Lt Col James Woosley (DSN 523-5029)
- Director of Operations
 - Lt Col Evan Gardner (DSN 523-5084)

