
AIR FORCE RESCUE COORDINATION CENTER



2010 ANNUAL REPORT

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GENERAL INFORMATION

MISSION

The Commander, Air Forces NORTHERN is the SAR Coordinator and the Air Force Rescue Coordination Center (AFRCC) is designated the Search and Rescue (SAR) Mission Coordinator (SMC) for the aeronautical SRR corresponding to the continental US other than Alaska. The AFRCC seeks to encourage a cooperative SAR network and help coordinate assistance for persons in distress.

AUTHORITY

The AFRCC mission is derived from international treaty requirements in the Chicago Convention (as amended 2006) and the International Aeronautical and Maritime Search and Rescue (IAMSAR) Manual. These requirements are satisfied by the U.S. via the National Search and Rescue Plan (NSP) and the National Search and Rescue Manual (NSM). The NSP and NSM provide the United States a national plan for coordinating SAR services to meet our domestic needs and international commitments. Further implementing guidance is provided in Department of Defense Directive 3003.01, DoD Support to Civil Search and Rescue.

TASKING AUTHORITY

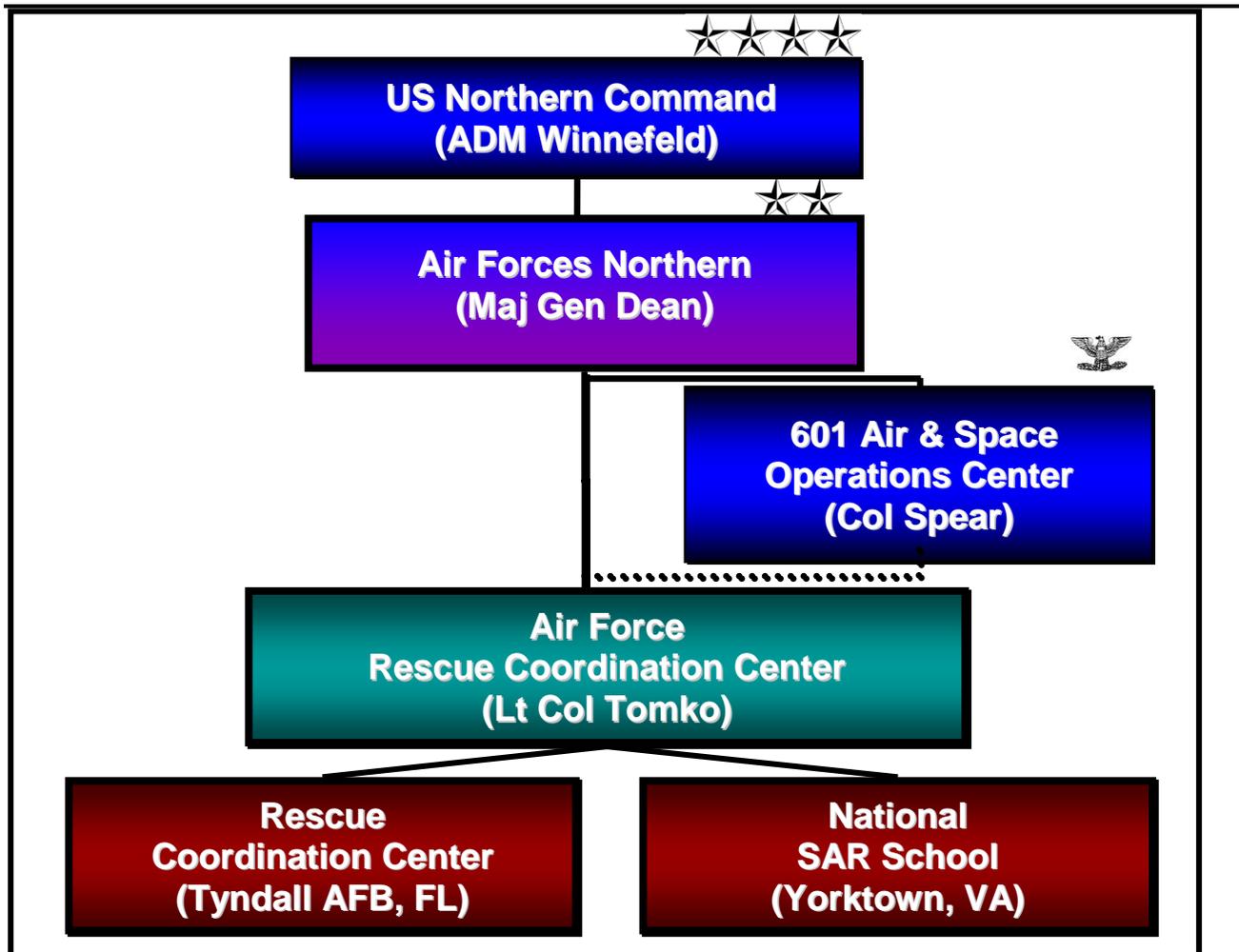
The AFRCC has no command or control authority. The AFRCC supports domestic civil authorities by coordinating DoD and other federal civil SAR services to the fullest extent practicable on a non-interference basis with primary duties according to applicable national directives, plans, guidelines, and agreements. No DoD or other federal resources are assigned or tasked for the aeronautical civil SAR mission.

RESPONSIBILITIES

The AFRCC manages a specific SAR operation, and has the full operational authority of the SAR Coordinator. Specific responsibilities include:

- Coordinating SAR operations involving missing/overdue General Aviation (GA) interstate aircraft flights, DoD aircraft, commercial aircraft and missions of national concern (e.g. National Special Security Events and Special Events Homeland Security).
- Coordinating SAR operations responding to Emergency Beacon Alerts. The AFRCC receives all COSPAS-SARSAT emergency beacon distress signals registered to the US or originating from its SRR. The center investigates the signal in coordination with federal, state, and local officials and determines the required type and scope of response.
- Coordinating federal SAR capabilities (both Aeronautical and Inland) at the request of other designated RCCs, Federal and State SAR coordinators in support of their civil SAR operations. Through SAR Agreements with other SAR Coordinators (SCs) and their SMCs, the unit may be a coordinating authority for specific Inland SAR events. These events include Mercy, Patient Transport, Search, Rescue, and Search and Rescue Unit (SRU) Transport.

AFRCC ORGANIZATION



MISSION STATEMENT

Continuously building a coordinated Search and Rescue network ensuring timely, effective lifesaving operations **WHENEVER and **WHEREVER** needed through Cooperation, Coordination and Education**

TEN YEAR SYNOPSIS

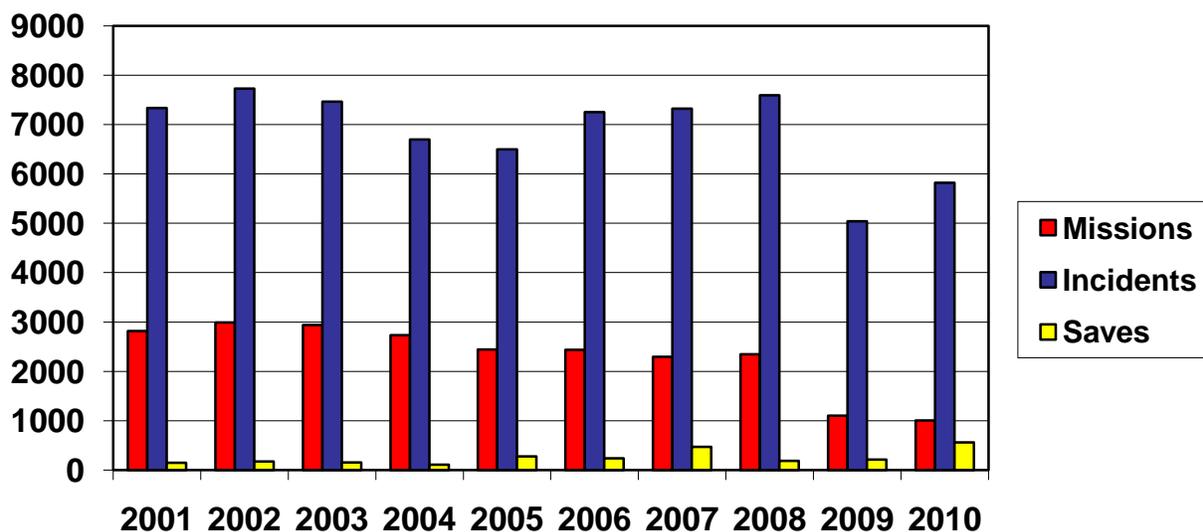
Our yearly activity table illustrates the unit's total operational workload (missions, incidents and saves) over the past ten years.

MISSION: A SAR operation that requires a federal asset(s) to be activated to search, rescue, and/or assist a distressed, or perceived distressed, aircraft (or other craft) or persons on board.

INCIDENT: A SAR investigative operation conducted without deploying a SAR unit (SRU).

SAVE: An objective was in a distress situation, could not affect a self-recovery and was located alive.

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
MISSIONS	2814	2989	2937	2734	2441	2438	2296	2344	1100	1004
INCIDENTS	7333	7728	7465	6697	6500	7249	7322	7595	4179	5823
SAVES	149	173	154	107	275	237	468	190	214	561

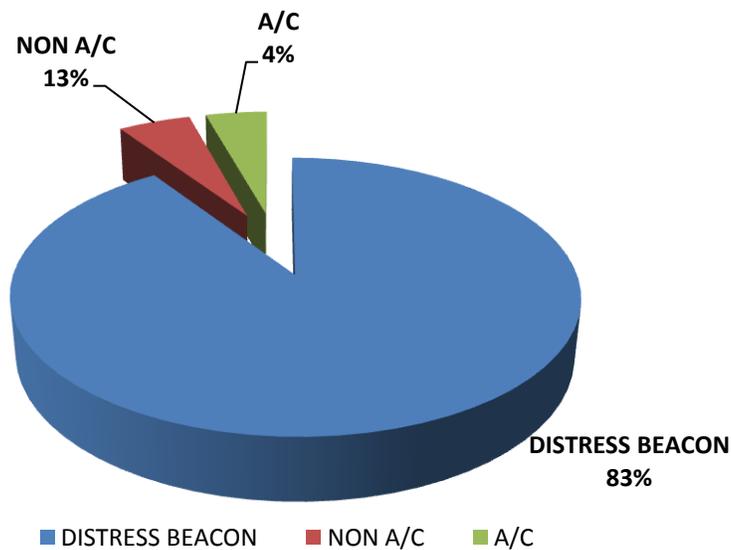


INCIDENT/MISSION/SAVE SUMMARY

The incident/mission/save summary identifies the total number of incidents; distress beacon incidents, non-aircraft incidents, aircraft incidents, total number of missions and the number of saves the AFRCC prosecuted during 2010.

Through telephone and internet investigations, the AFRCC resolved 4819 of the 5823 incidents without expending Federal Resources; saving approximately \$1.1M and 274K work hours. The AFRCC coordinated 1004 missions resulting in 561 lives saved.

INCIDENT/MISSION/SAVE SUMMARY

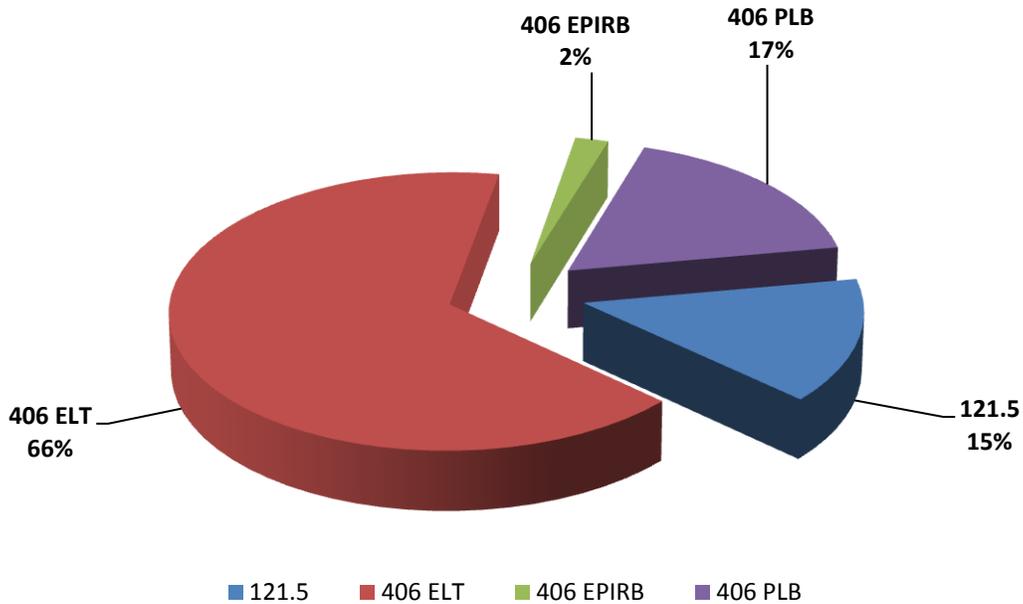


SUMMARY.....	Incidents / Missions / Saves
DISTRESS BEACON INCIDENTS.....	5276 / 673 / 18
NON-AIRCRAFT INCIDENTS	296 / 254 / 517
AIRCRAFT INCIDENTS.....	251 / 77 / 26

NOTE: Total saves on this page are different from the total saves on page 10 due to how saves were counted. The saves on this page were counted no matter what organization was involved in the save. On page 10, saves were counted ONLY when involving a federal resource.

BEACON SUMMARY

During 2010, the AFRCC investigated numerous beacon incidents. The chart indicates the type of beacons, number of incidents, and number of missions involving federal assets and those resulting in lives saved.



TYPE.....	Incidents / Missions / Saves
406 ELT	3566 / 107 / 5
406 PLB	940 / 26 / 34
121.5 ELT.....	784 / 455 / 4
406 EPIRB.....	110 / 80 / 2

Note 1: 1363 Incidents were DOD/National beacons.

Note 2: 601 Incidents were beacons coordinated with overseas agencies.

BEACON MISSION RESULTS

The chart indicates the result from all beacon incidents prosecuted by the AFRCC during 2010.

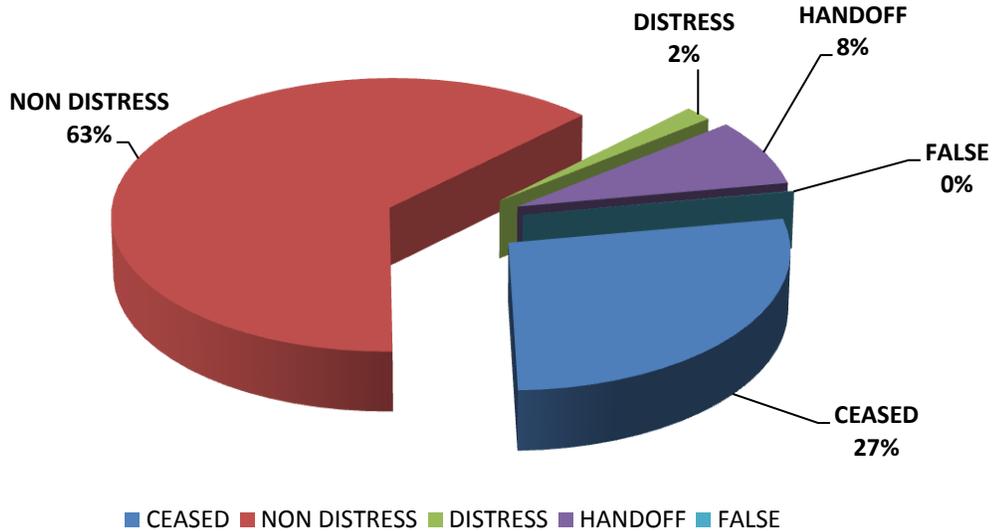
NON-DISTRESS: The incident resulted in a situation where a mishap did not occur, e.g. accidental activation.

HAND-OFF: The incident/mission was passed to another Search and Rescue Region/Agency.

CEASED: The beacon was no longer picked up by the source(s) that originally heard the signal (SARSAT, aircraft, ground station).

DISTRESS: For a distress beacon case, the beacon activation was caused by a known/unknown aircraft accident/incident.

FALSE: Erroneous reporting of emergency situation.



RESULT	NUMBER
NON DISTRESS	3288
CEASED	1433
HANDOFF	412
DISTRESS	90
FALSE.....	2

NON-AIRCRAFT SUMMARY

In 2010 the AFRCC prosecuted several different types of Non-Aircraft related incidents. The chart is the breakdown of the types and number of incidents and missions involving federal assets and resulting lives saved.

MISSING PERSON: A person who is lost and must be searched for.

RESCUE: The extraction of a person in distress from a known location.

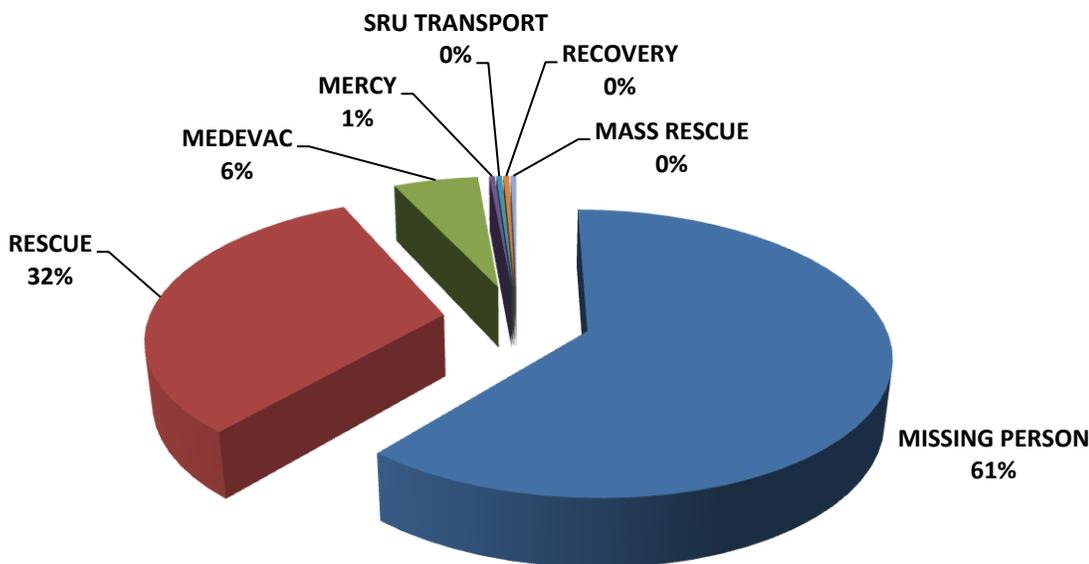
MASS RESCUE: The extraction of persons in distress from an accident or incident involving a large number of persons.

MEDEVAC: Hospital-to-hospital patient transfer.

MERCY: Delivery/Transportation of life saving vital materials (organs, blood, etc)

SRU TRANSPORT: Transportation for the Search and Rescue Unit to/from mission location.

RECOVERY: On special occasions, when all other state resources are exhausted and there are no limiting factors for the federal asset, we may approve a unit to assist with recovery operations.

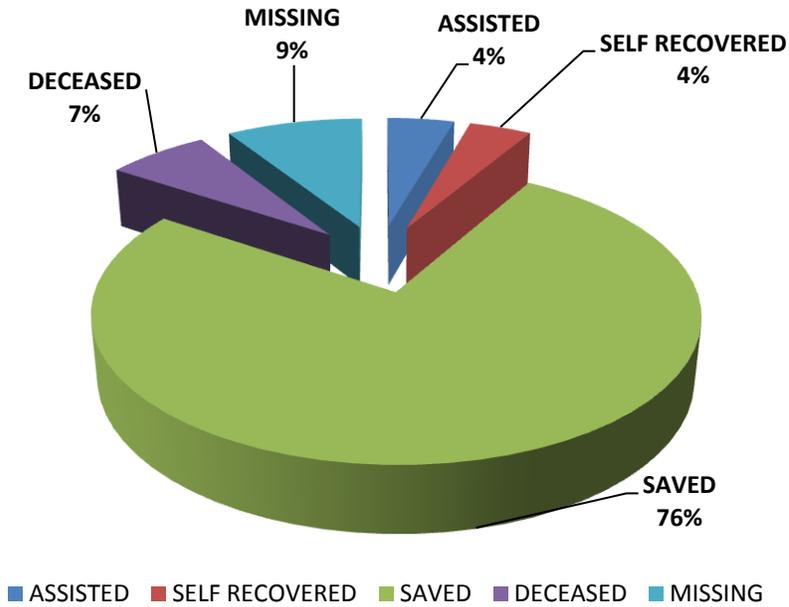


■ MISSING PERSON ■ RESCUE ■ MEDEVAC ■ MERCY ■ SRU TRANSPORT ■ RECOVERY ■ MASS RESCUE

TYPE.....	Incidents / Missions / Saves
Missing Person (s).....	167 / 162 / 86
Rescue.....	87 / 74 / 85
MEDEVAC.....	15 / 12 / 13
MERCY.....	1 / 1 / 1
SRU Transport.....	1 / 1 / N/A
Recovery.....	1 / 1 / N/A
Mass Rescue.....	1 / 1 / 330

NON-AIRCRAFT MISSION RESULTS

The chart indicates mission results for non-aircraft incidents in 2010 prosecuted by the AFRCC.



RESULT.....	NUMBER
SAVED.....	498
MISSING.....	59
DECEASED.....	44
ASSISTED.....	29
SELF RECOVERED.....	27

AIRCRAFT SUMMARY

The chart shows the types of aircraft incidents prosecuted by the AFRCC in 2010, the number of incidents overall, missions involving federal assets and lives saved.

MISSING AIRCRAFT: The report of an overdue aircraft which was located but did not require Federal support.

CRASH: An aircraft accident which was reported or located but did not require Federal support

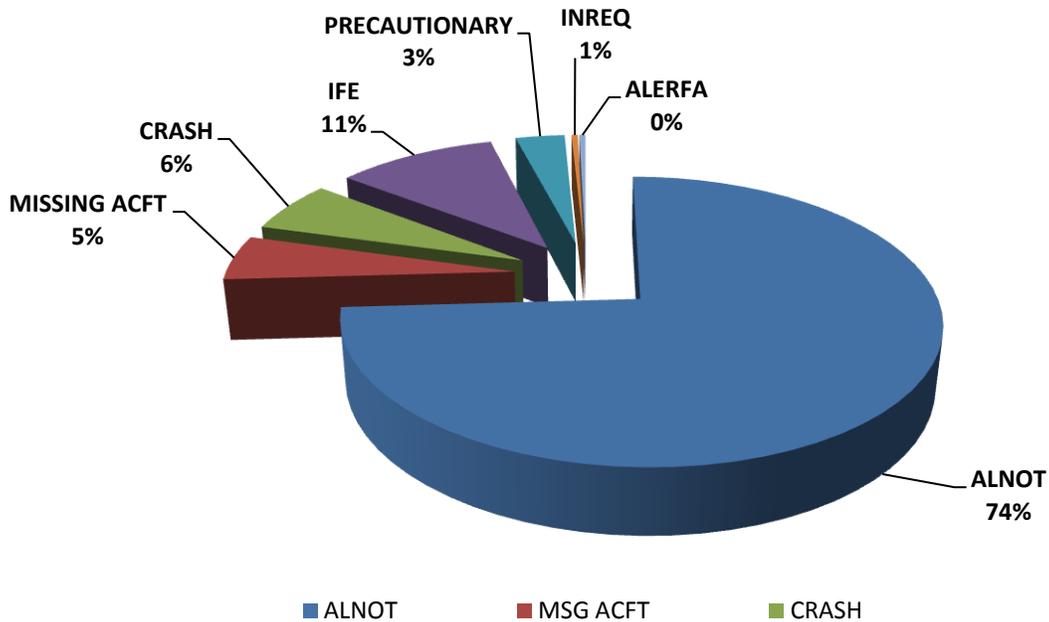
ALNOT: ALert NOTice issued by the FAA for overdue aircraft requiring action by the AFRCC.

IFE: In Flight Emergency – an emergency involving an aircraft in flight.

PRECAUTIONARY: Mission opened with SAR resources on “standby” for major events such as air shows and shuttle launches.

INREQ: Information REQuest issued by the FAA for an aircraft that may be overdue, not yet requiring action from the AFRCC, beyond research.

ALERFA: Information request issued by the FAA for foreign aircraft or region.

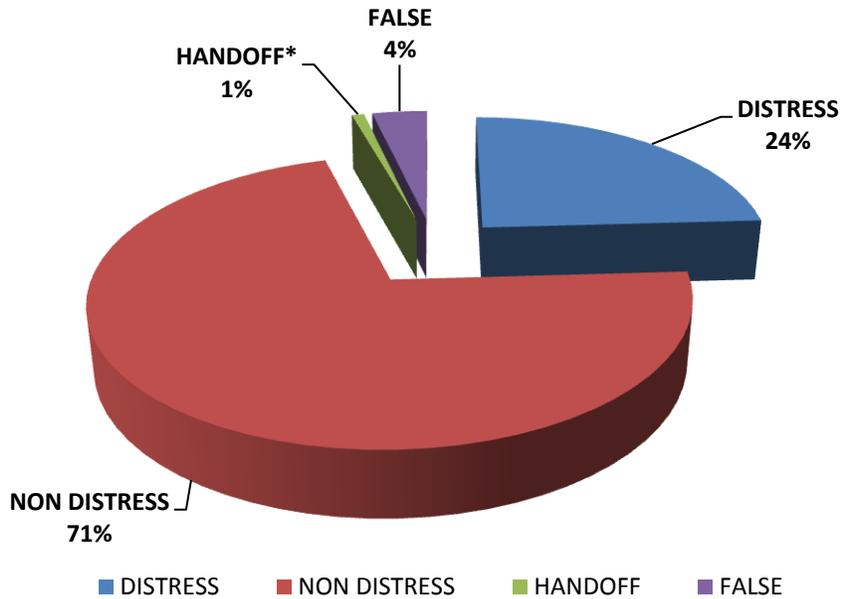


TYPE.....	Incidents / Missions / Saves
ALNOT.....	183 / 48 / 6
IFE.....	26 / 6 / 9
CRASH.....	15 / 9 / 8
MISSING AIRCRAFT.....	13 / 10 / 1
PRECAUTIONARY.....	8 / 3 / 0
INREQ.....	1 / 0 / 0
ALERFA.....	1 / 0 / 0

AIRCRAFT MISSION RESULTS

The chart indicates mission results for aircraft related incidents in 2010 prosecuted by the AFRCC.

A “Handoff” is an incident initiated by the AFRCC and turned over to another rescue agency .



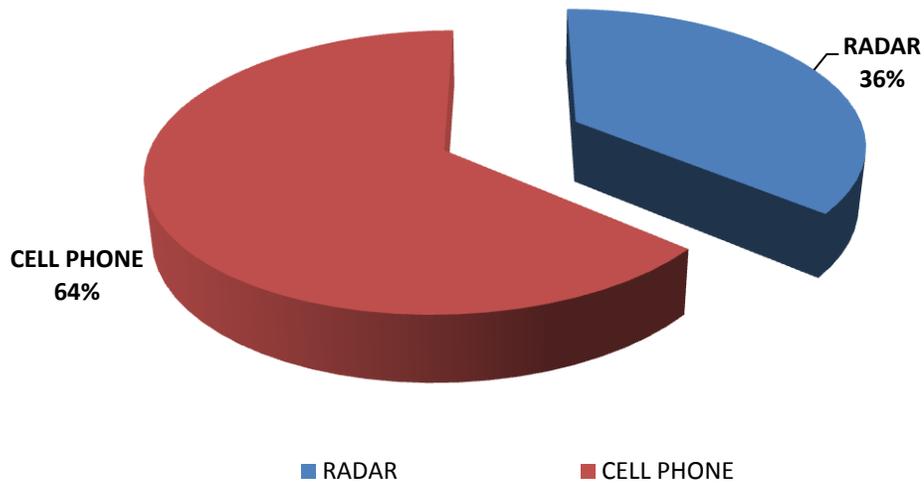
RESULT.....	NUMBER
NON-DISTRESS.....	178
DISTRESS.....	60
FALSE.....	9
HANDOFF.....	2

Note 1: 210 Aircraft Incidents were for Civilian Aircraft

Note 2: 33 Aircraft Incidents were for Military/Gov Aircraft

RADAR AND CELLPHONE FORENSICS

The below chart indicates the number of incidents which involved radar and cell phone forensics, the number of missions and resulting lives saved.



TYPE.....	Incidents/Missions/Saves
RADAR.....	40/39/5
CELLPHONE.....	72/68/43

AFRCC is authorized to request cell phone forensics IAW 18 U.S.C. § 2702 (b)(8)

- § 2702. Voluntary disclosure of customer communications or records
- (b) Exceptions for disclosure of communications.-- A provider described in subsection (a) may divulge the contents of a communication--
- (8) to a Federal, State, or local governmental entity, if the provider, in good faith, believes that an emergency involving danger of death or serious physical injury to any person requires disclosure without delay of communications relating to the emergency.

SAR ACTIVITY BY STATE

The SAR activity by state table displays the total federal incidents/missions for each state. This includes all distress beacons, aircraft and non-aircraft incidents/missions and breaks them down by used categories.

STATE	INCIDENTS	MSNS	ACFT	ELT	EPIRB	PLB	MSG PSN	RESQ	MED EVAC	MERCY	PREC	SRU TRANS	OTHER	SAVES
AL	93	23	2	14	5	0	2	0	0	0	0	0	0	0
AK	13	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ	204	44	4	16	0	1	6	13	3	0	1	0	0	20
AR	54	5	1	3	0	0	1	0	0	0	0	0	0	0
CA	495	150	16	96	9	5	11	11	1	0	0	1	0	31
CO	118	47	4	12	0	1	18	10	1	0	0	1	0	23
CT	27	5	0	3	1	0	1	0	0	0	0	0	0	1
DE	14	2	0	1	1	0	0	0	0	0	0	0	0	0
FL	509	82	5	52	20	12	2	0	0	0	1	0	0	8
GA	144	29	2	25	0	1	1	0	0	0	0	0	0	1
HI	3	0	0	0	0	0	0	0	0	0	0	0	0	0
ID	70	34	1	6	0	1	22	4	0	0	0	0	0	28
IL	95	23	0	18	2	0	3	0	0	0	0	0	0	0
IN	50	9	2	7	0	0	0	0	0	0	0	0	0	0
IA	20	4	0	4	0	0	0	0	0	0	0	0	0	1
KS	91	8	0	8	0	0	0	0	0	0	0	0	0	0
KY	45	12	2	10	0	0	0	0	0	0	0	0	0	0
LA	138	14	1	6	3	1	1	0	0	0	0	1	1	2
ME	37	29	1	4	4	2	16	2	0	0	0	0	0	0
MD	53	11	1	5	2	0	3	0	0	0	0	0	0	4
MA	53	10	0	8	2	0	0	0	0	0	0	0	0	0
MI	122	25	3	20	2	0	0	0	0	0	0	0	0	10
MN	48	14	1	12	0	0	1	0	0	0	0	0	0	0
MS	59	12	1	9	1	0	0	1	0	0	0	0	0	2
MO	70	16	0	15	0	0	1	0	0	0	0	0	0	1
MT	35	16	2	1	0	2	6	4	1	0	0	0	0	6
NE	22	5	2	3	0	0	0	0	0	0	0	0	0	0
NV	69	13	2	1	0	0	9	1	0	0	0	0	0	16
NH	8	4	0	2	0	0	0	1	0	0	0	0	0	0
NM	34	5	0	3	0	0	1	1	0	0	0	0	0	1
NJ	85	15	0	13	2	0	0	0	0	0	0	0	0	0
NY	101	20	0	18	1	0	0	0	1	0	0	0	0	2

STATE	INCIDENTS	MSNS	ACFT	ELT	EPIRB	PLB	MSG PSN	RESQ	MED EVAC	MERCY	PREC	SRU TRANS	OTHER	SAVES
NC	174	21	1	17	1	1	1	0	0	0	0	0	0	0
ND	32	4	0	1	0	0	3	0	0	0	0	0	0	0
OH	106	20	0	20	0	0	0	0	0	0	0	0	0	0
OK	59	11	0	7	0	4	0	0	0	0	0	0	0	2
OR	89	26	2	8	1	0	11	4	0	1	0	0	1	13
PA	93	21	0	12	4	1	4	0	0	0	0	0	0	4
RI	10	5	1	2	2	0	0	0	0	0	0	0	0	0
SC	72	11	1	8	1	0	1	0	0	0	0	0	0	1
SD	19	3	0	1	0	0	1	0	0	0	0	0	0	1
TN	78	13	1	9	0	1	1	0	0	0	0	0	1	331
TX	409	67	3	56	6	2	0	0	0	0	0	0	0	1
UT	43	4	2	0	1	1	0	0	0	0	0	0	0	8
VT	9	2	0	2	0	0	0	0	0	0	0	0	0	0
VA	94	19	1	11	3	2	2	0	0	0	0	0	0	1
WA	171	38	3	6	0	1	12	12	4	0	0	0	0	36
WV	23	4	0	3	0	1	0	0	0	0	0	0	0	19
WI	37	15	2	7	0	0	5	0	0	0	1	0	0	0
WY	28	13	2	2	0	0	9	0	0	0	0	0	0	4
DC	11	0	0	0	0	0	0	0	0	0	0	0	0	0
PR	2	3	0	1	1	0	1	0	0	0	0	0	0	0
MX	4	1	1	0	0	0	0	0	0	0	0	0	0	0

SRU SORTIE DATA

COAST GUARD

SRU NAME	MISSIONS	SAVES
CGD7	1	0
CGD8	1	1
CGD9	9	3
CGD11	2	1
CGAS ASTORIA	12	9
CGAS ELIZABETH CITY	1	5
CGAS NORTH BEND	5	3
CGAS PORT ANGELES	7	1
CGAS TRAVERSE CITY	11	6
CGAF WAUKEGAN	1	1
TOTAL	50	30

AIR NATIONAL GUARD

SRU NAME	MISSIONS	SAVES
101 RQS	1	1
129 RQW	2	1
STOCKTON AASF	1	3
BUCKLEY	3	2
TOTAL	7	7

ARMY NATIONAL GUARD

SRU NAME	MISSIONS	SAVES
AZ ARNG	1	1
CO ARNG	18	12
ID ARNG	5	2
NM ARNG	1	1
WA ARNG	2	0
TOTAL	27	16

NAVY

SRU NAME	MISSIONS	SAVES
NAS CHINA LAKE	8	11
NAS FALLON	7	5
NAS MAYPORT	1	0
NAS WHIDBEY ISLAND	20	13
TOTAL	36	29

MARINES

SRU NAME	MISSIONS	SAVES
MCAS MIRIMAR	1	1
MCAS YUMA	15	16
TOTAL	16	17

ARMY

SRU NAME	MISSIONS	SAVES
FORSCOM	1	1
TOTAL	1	1

AIR FORCE (AD/RESERVE)

SRU NAME	MISSIONS	SAVES
36 RQF	13	13
37 HS	4	0
304 RQS	2	0
305 RQS	2	1
40 HS	12	8
41 RQS	1	0
55 RQS	3	6
58 RQS	1	0
563 RQG	1	0
66 RQS	1	5
920 RQW	1	0
WADS	2	0
TOTAL	43	33

CIVIL AIR PATROL

SRU NAME	MISSIONS	SAVES
NHQ	49	22
AL CAP	20	0
AR CAP	6	0
AZ CAP	33	8
CA CAP	123	5
CO CAP	30	5
CT CAP	9	1
DC CAP	0	0
DE CAP	2	0
FL CAP	75	3
GA CAP	30	0
IA CAP	6	1

SRU NAME	MISSIONS	SAVES
ID CAP	15	5
IL CAP	22	0
IN CAP	8	0
KS CAP	6	0
KY CAP	13	0
LA CAP	19	0
MA CAP	8	0
MD CAP	11	2
ME CAP	11	0
MI CAP	21	0
MN CAP	15	0
MO CAP	18	0
MS CAP	12	330
MT CAP	7	1
NC CAP	21	0
ND CAP	5	0
NE CAP	5	0
NH CAP	3	0
NJ CAP	14	0
NM CAP	5	0
NV CAP	7	8
NY CAP	19	0
OH CAP	20	0
OK CAP	11	1
OR CAP	16	2
PA CAP	18	0
PR CAP	2	0
RI CAP	4	0
SC CAP	11	0
SD CAP	4	1
TN CAP	15	0
TX CAP	69	0
UT CAP	3	0
VA CAP	18	0
VT CAP	2	0
WA CAP	10	0
WI CAP	11	0
WV CAP	5	0

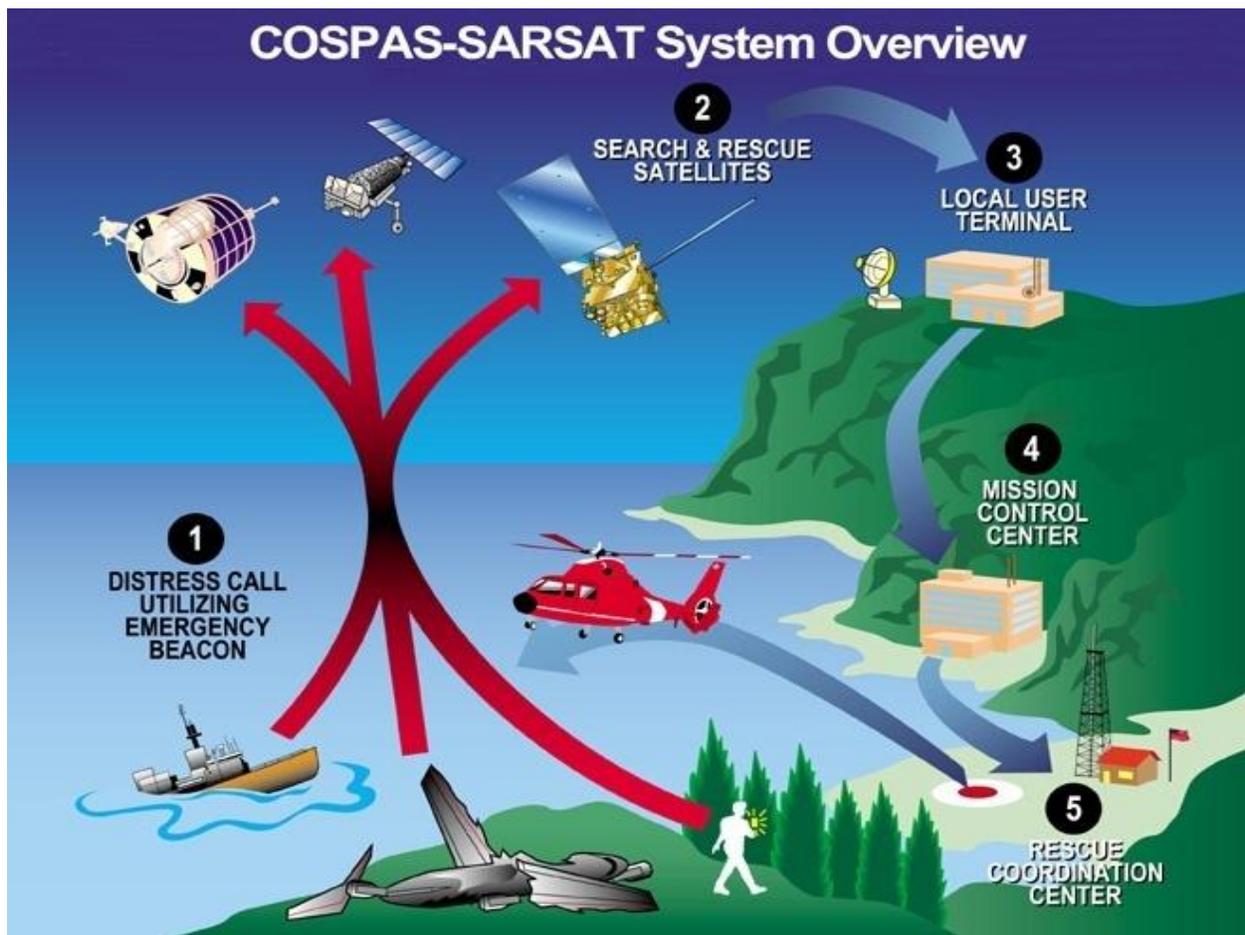
SRU NAME	MISSIONS	SAVES
WY CAP	8	2
TOTAL	875	397
ALL SRUs		
TOTAL	1055	530

* Total number of missions by SRU is determined by extensive data mining and may be different than what each SRU has. The total on this page is higher than the actual annual number due to multiple SRUs being involved in the same mission.

DOD Directive 3003.1 - *DoD Support to Civil Search and Rescue*, is currently in revision at the Department level and when it is distributed will include new directions on how military distress beacons will be handled from acquisition, to installation to prosecution when the beacon is activation. Please watch for this updated document in your distribution systems.

REMEMBER TO REGISTER YOUR 406Mhz BEACON AND UPDATE IT ANYTIME A CHANGE IS MADE! HELP US SAVE LIVES!

<https://beaconregistration.noaa.gov>



FOR MORE INFORMATION ABOUT THE AFRCR ANNUAL REPORT OR IF YOU HAVE QUESTIONS OR CONCERNS ADDRESSING THE INFORMATION IN THIS PRODUCT, PLEASE CONTACT MR. DANNY CONLEY AT 850-283-5688 OR DANNY.CONLEY@TYNDALL.AF.MIL.



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"These Things We Do ... That Others May Live"