
**AIR FORCE RESCUE
COORDINATION CENTER**



2019 ANNUAL REPORT

TABLE OF CONTENTS

GENERAL INFORMATION	3
AFRCC ORGANIZATION/MISSION STATEMENT.....	4
TEN YEAR SYNOPSIS.....	5
INCIDENT/MISSION/SAVE SUMMARY.....	6
BEACON SUMMARY	7
BEACON INCIDENT/MISSION RESULTS	8
NON-AIRCRAFT SUMMARY	9-10
NON-AIRCRAFT MISSION RESULTS	11
AIRCRAFT SUMMARY.....	12
AIRCRAFT MISSION RESULTS.....	13
RADAR/CELL FORENSICS SUMMARY.....	14
SEARCH AND RESCUE UNIT DATA	15 - 18
BEACON REGISTRATION INFORMATION.....	18
AFRCC CONTACT INFO.....	20

GENERAL INFORMATION

MISSION

The Commander, Air Forces Northern, is the Inland Search and Rescue (SAR) Coordinator for the aeronautical Search and Rescue Region (SRR) corresponding to the continental US other than Alaska, also known as the Langley SRR. The Commander, Air Force Rescue Coordination Center (AFRCC), is designated as the SAR Mission Coordinator (SMC). 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 (ninth addition, 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 Supplement (NSS) to the IAMSAR Manual. The NSP and NSS provide the United States a national plan for coordinating SAR services to meet our domestic needs and international commitments. Further implementation guidance is provided in Department of Defense Instruction 3003.01, *Support to Civil Search and Rescue* and Air Force Policy Directive 10-45, *Air Force Support to Civil Search and Rescue*.

TASKING AUTHORITY

The AFRCC has no command or control tasking authority. The AFRCC supports domestic civil authorities by coordinating Department of Defense (DoD) and other federal SAR services to the fullest extent practicable on a non-interference basis with the unit's 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

When managing SAR operations, the AFRCC has the full operational authority of the Inland SAR Coordinator.

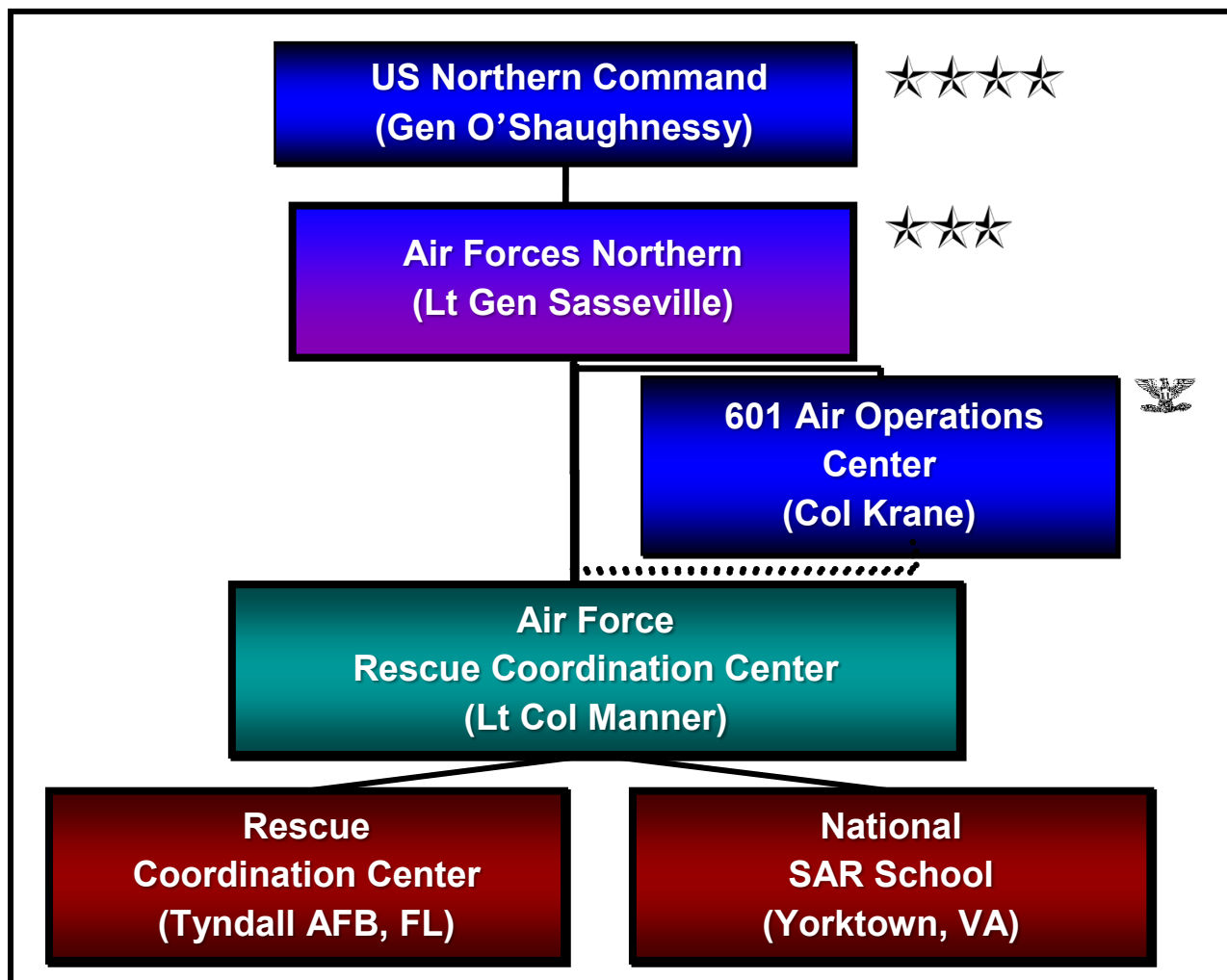
Specific responsibilities include:

- Coordinating SAR operations involving missing/overdue general aviation (GA) flights, interstate aircraft flights, DoD aircraft, and commercial aircraft.

- Coordinating SAR operations in response to Emergency Beacon Alerts. The AFRCC receives all COSPAS-SARSAT emergency beacon distress signals registered to the United States or those originating from within its SRR. The AFRCC 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 Rescue Control Centers (RCC), Federal and State SAR coordinators in support of their civil SAR operations. Through SAR Agreements with other SAR Coordinators (SCs) and their SMCs, the AFRCC may be a coordinating authority for specific SAR events outside the Langley SRR. These events include mercy, patient transport, search, rescue, and search and rescue unit (SRU) transport.

AFRCC ORGANIZATION



AFRCC MISSION STATEMENT

To save lives by providing expert coordination capability, while fostering cooperation, and providing first responder education in support the National Search and Rescue Plan.

TEN YEAR SYNOPSIS

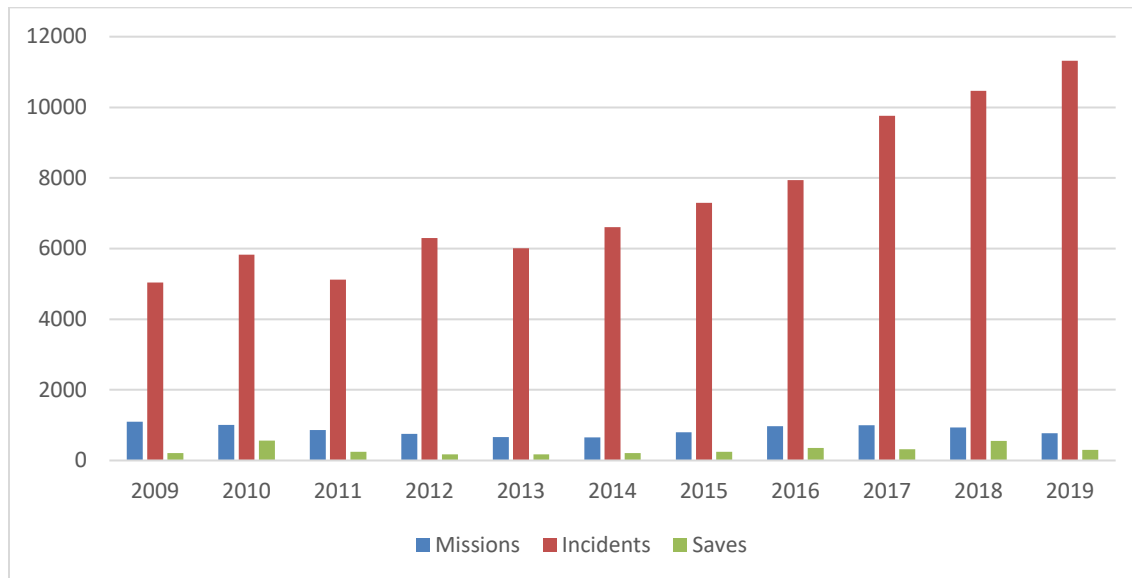
The AFRCC’s yearly activity table illustrates the unit’s total operational workload (missions, incidents and saves) over the past ten years.

MISSION: A SAR operation that requires the activation of federal asset(s) in order to reach a resolution. Note that all missions are also incidents.

INCIDENT: A SAR investigative operation by the AFRCC, conducted without deploying a SRU.

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

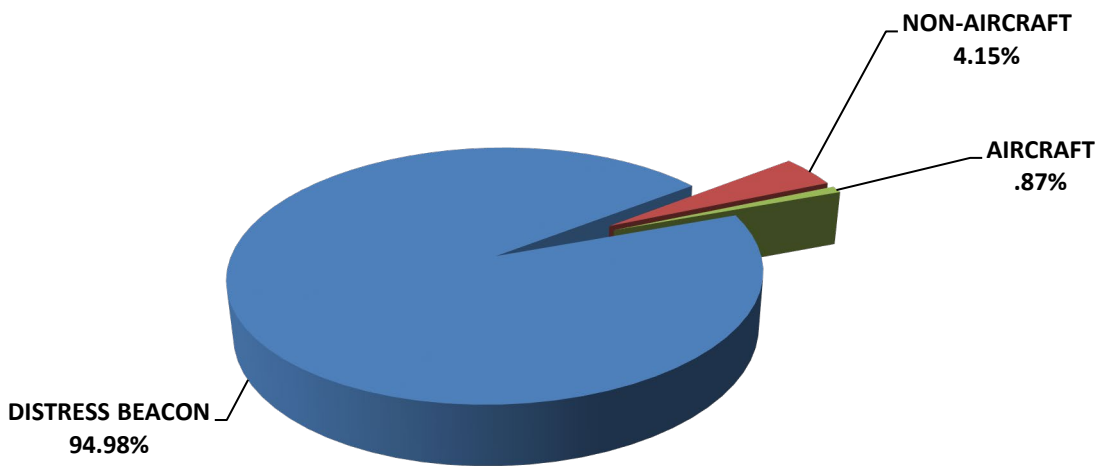
Year	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Missions	1100	1004	866	755	660	654	797	969	997	933	772
Incidents	4179	5823	5120	6299	6010	6603	7293	7936	9762	10469	11319
Saves	214	561	245	172	171	212	244	354	323	550	296



INCIDENT/MISSION/SAVE SUMMARY

The incident/mission/save summary identifies the number of distress beacon incidents, non-aircraft incidents, aircraft incidents, number of missions and the number of saves the AFRCC coordinated during 2019.

Through telephone and internet investigations, the AFRCC resolved 10,547 (93%) of the 11,319 incidents without expending federal resources, saving approximately \$12 million dollars and 759,384 work hours. The AFRCC coordinated 772 missions resulting in 296 lives saved.

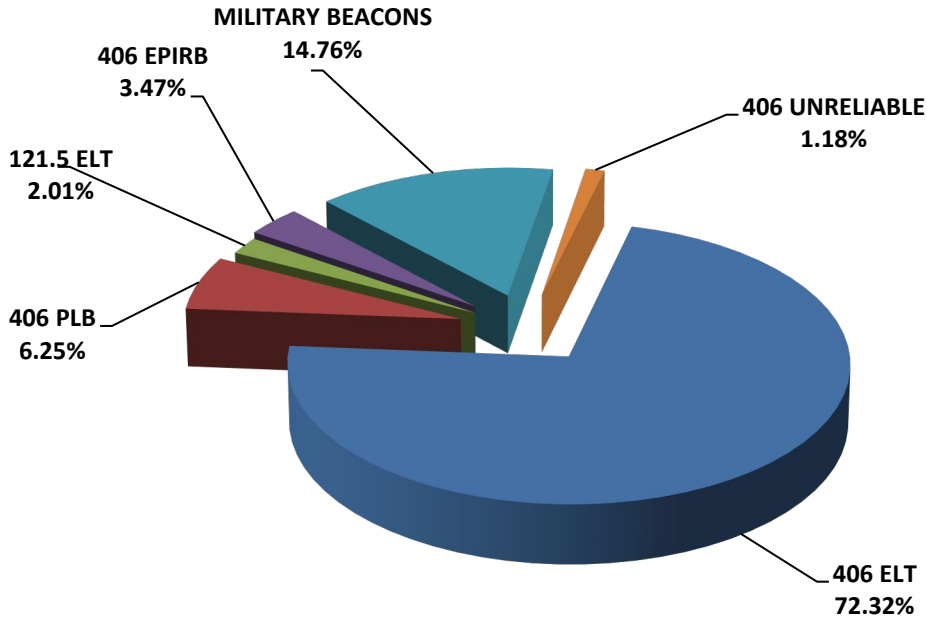


NUMBER OF INCIDENTS

SUMMARY	INCIDENTS	MISSIONS	SAVES
Distress Beacon Incidents	10,751	261	82
Non-Aircraft Incidents	470	431	205
Aircraft Incidents	98	80	9
Total	11,319	772	296

BEACON SUMMARY

During 2019, the AFRCC investigated numerous beacon incidents. This chart and corresponding table indicate the type of beacons and number of incidents involving federal assets (missions) and the resulting lives saved.



BEACON MISSION TYPES

TYPE	INCIDENTS	MISSIONS	SAVES
406 ELT	7775	129	20
406 PLB	671	6	60
406 – Unreliable	126	0	0
121.5 ELT	219	114	0
406 EPIRB	373	8	0
Military Beacons	1587	3	2

Note 1: 199 beacons were coordinated with overseas agencies in more than 50 countries.

BEACON INCIDENT/MISSION RESULTS

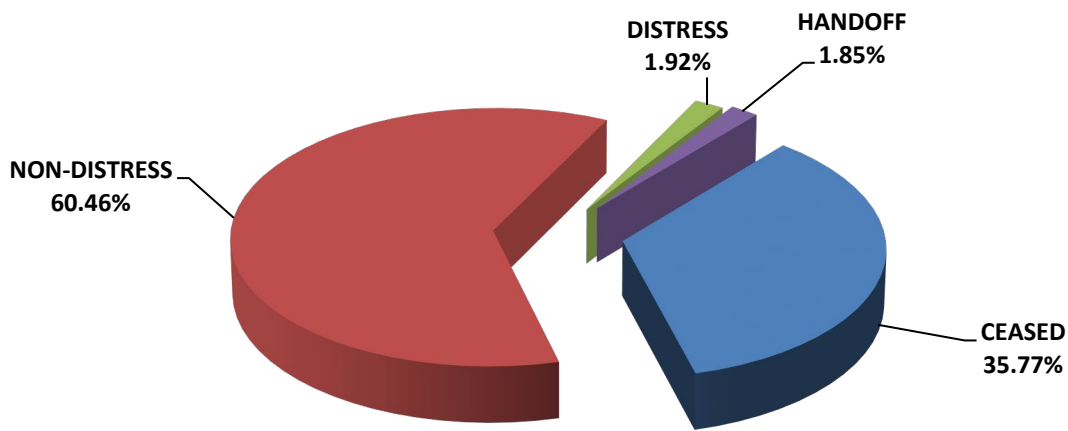
This chart and corresponding table indicate the results of all distress beacon incidents coordinated by the AFRCC during 2019.

NON-DISTRESS: Upon investigation it was revealed that there was not an actual distress situation, e.g. accidental activation, or improper testing.

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), prior to investigative resolution.

DISTRESS: Upon investigation it was revealed that the beacon activation was caused by an actual distress situation.



BEACON INCIDENTS

RESULT	NUMBER
Non-Distress	6500
Ceased	3846
Handoff	199
Distress	206

NON-AIRCRAFT SUMMARY

In 2019 the AFRCC prosecuted several different types of Non-Aircraft related incidents. This chart and corresponding table break down the various types and number of missions involving federal assets and the resulting lives saved.

MISSING PERSON/BOAT/VEHICLE: The search for a person or persons/boat/vehicle, whose location is not known.

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

MASS RESCUE: SAR services characterized by the need for immediate response to large numbers of persons in distress, such that the capabilities normally available to SAR authorities are inadequate.

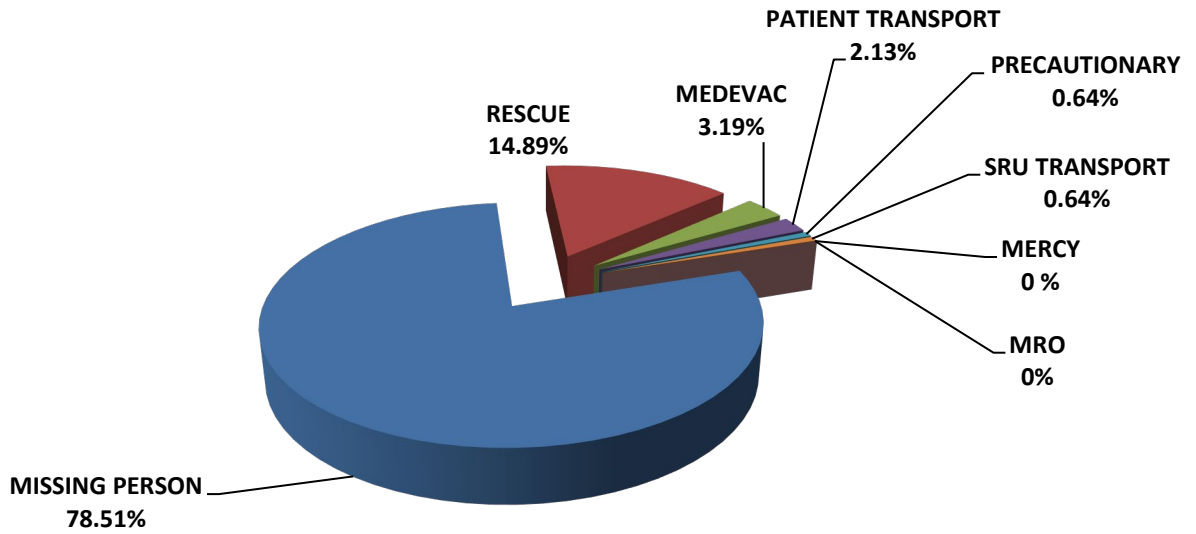
MEDEVAC: Evacuation of persons for medical reasons and hospital-to-hospital patient transfer.

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

PRECAUTIONARY: Pre-positioning of SAR forces for use during a scheduled activity where the potential for SAR is high, such as air shows.

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

NON-AIRCRAFT SUMMARY CONTINUED

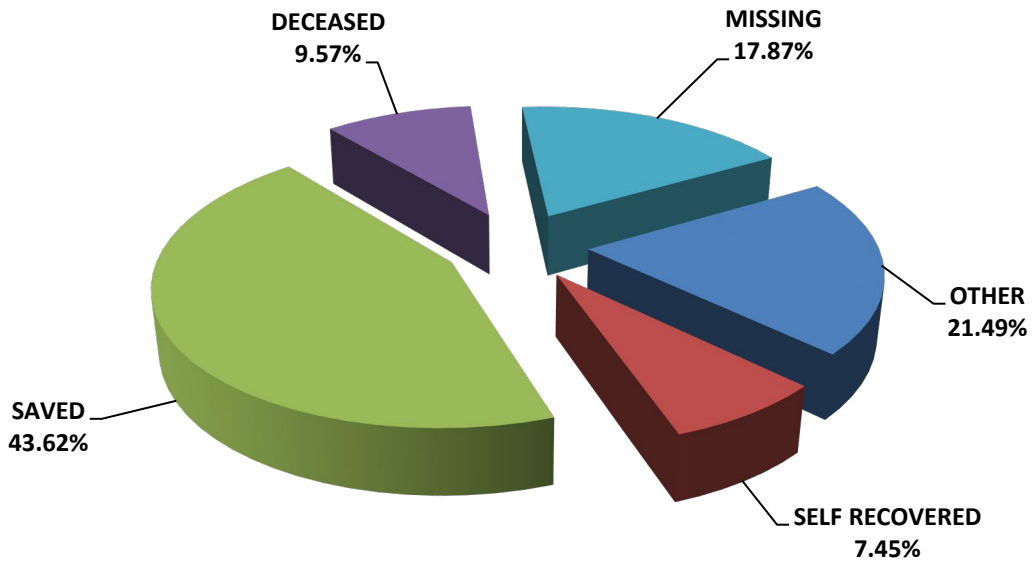


NON-AIRCRAFT MISSIONS

TYPE	INCIDENTS	MISSIONS	SAVES
Missing Person/Boat/Vehicle	369	348	117
Rescue	70	57	70
MEDEVAC	15	14	11
Mercy	0	0	0
SRU Transport	3	3	0
Mass Rescue	0	0	0
Patient Transport	10	6	7
Precautionary	3	3	0

NON-AIRCRAFT MISSION RESULTS

This chart and corresponding table indicate mission results for non-aircraft incidents prosecuted by the AFRCC in 2019.



NON-AIRCRAFT SAVES

RESULT	INDIVIDUALS
Saved	205
Missing	84
Deceased	45
Self-Recovered	35
Other*	101

Note 1: Non-Aircraft incidents resulting in 'Other' were either Non-Distress or Cancelled Requests

AIRCRAFT SUMMARY

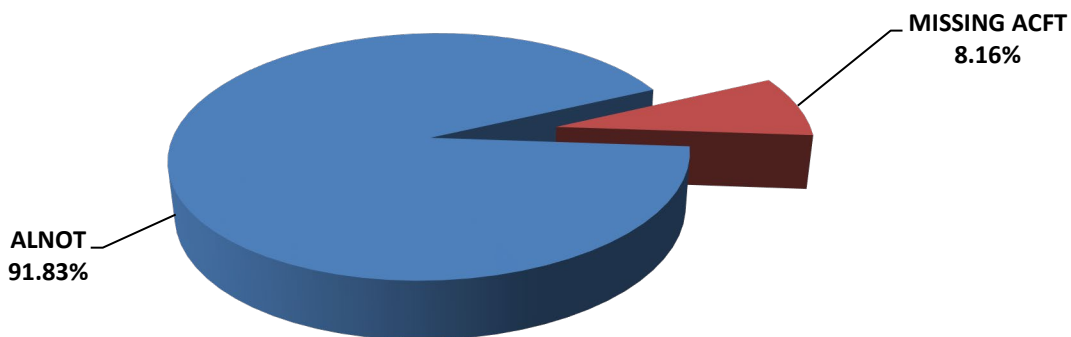
This chart and corresponding table shows the types of aircraft incidents prosecuted by the AFRCC in 2019, the number of incidents overall, missions involving federal assets, and lives saved.

MISSING AIRCRAFT: The investigation of a missing or overdue aircraft.

ALNOT: An Alert Notice issued by the FAA for overdue aircraft requiring action by the AFRCC.

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

PRECAUTIONARY: Pre-positioning of SAR forces for use during a scheduled activity where the potential for SAR is high, such as air shows.

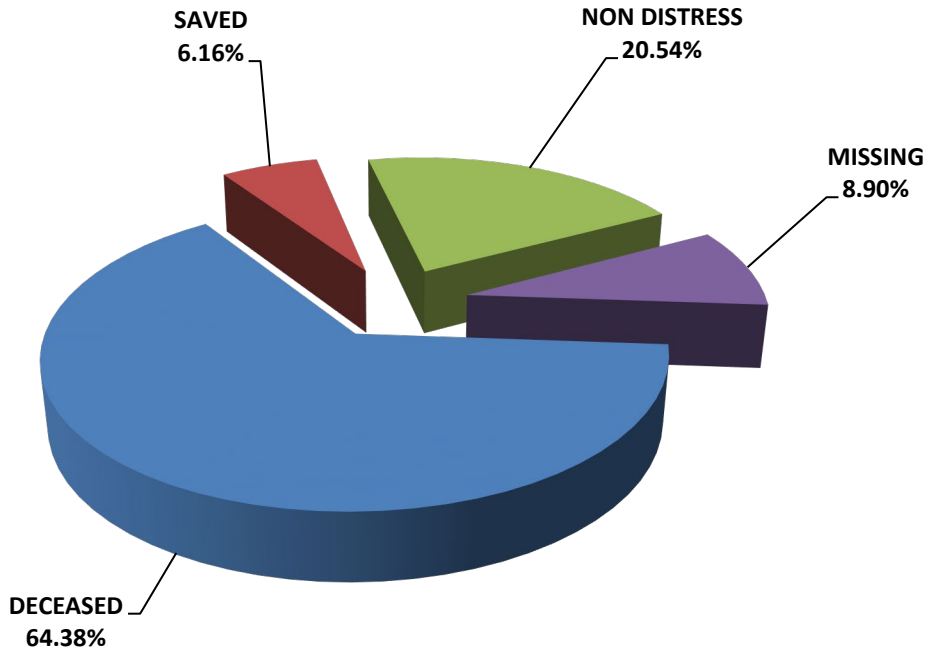


AIRCRAFT INCIDENTS

TYPE	INCIDENTS	MISSIONS	SAVES
ALNOT	90	73	7
Missing Aircraft	8	7	2

AIRCRAFT MISSION RESULTS

This chart and corresponding table indicate mission results for aircraft related incidents prosecuted by the AFRCC in 2019.

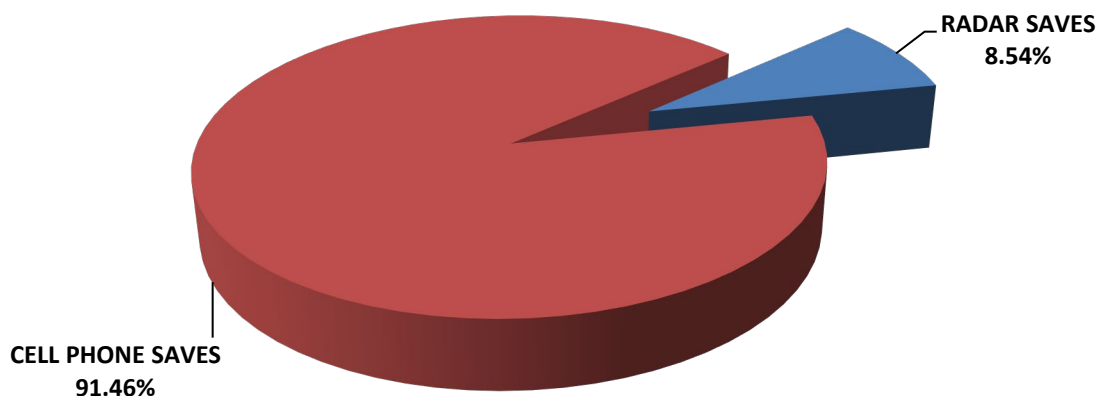


MISSION RESULTS

RESULT	INDIVIDUALS
Saved	9
Missing	13
Deceased	94
Non-Distress	30

RADAR AND CELL PHONE FORENSICS

This chart and corresponding table indicate the number of missions in which radar and/or cell phone forensics were involved and the number of corresponding lives saved. Often both types of forensics are used on a single mission.



RADAR AND CELL FORENSICS

TYPE	MISSIONS	SAVES
Radar Forensics	80	7
Cell Forensics	245	75

The 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.

SEARCH AND RESCUE UNIT (SRU) MISSION

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

COAST GUARD		
SRU NAME	MISSIONS	SAVES
CGAS ASTORIA	3	0
CGAS PORT ANGELES	2	0
CGAS NORTH BEND	2	1
CGAS TRAVERSE CITY	0	0
USCG TOTAL	7	1
ARMY (AD/RESERVE)		
SRU NAME	MISSIONS	SAVES
CHARLIE COMPANY 158th	0	0
YAKIMA TRAINING CENTER	7	7
2-4 GSAB FORT CARSON	1	1
USA TOTAL	8	8
ARMY NATIONAL GUARD		
SRU NAME	MISSIONS	SAVES
2-135 th AVIATION REG	1	0
1-211 AVIATION REG	1	0
2-211 AVIATION REG	0	0
2-224 AVIATION REG	1	0
129 RQS	1	1
AASF BUCKLEY	8	6
AASF BANGOR	1	1
AASF GOWEN FIELD	5	10
AASF CHEYENNE	7	3
AASF HELENA	4	3
AASF RENO STEAD	1	1
HAATS	15	23
ARNG TOTAL	45	48
NAVY		
SRU NAME	MISSIONS	SAVES
NAS WHIDBEY ISLAND	33	31
NAS FALLON	9	6
NAS LEMOORE	3	6
VX-31	9	5
USN TOTAL	54	48
AIR FORCE (AD/RESERVE)		

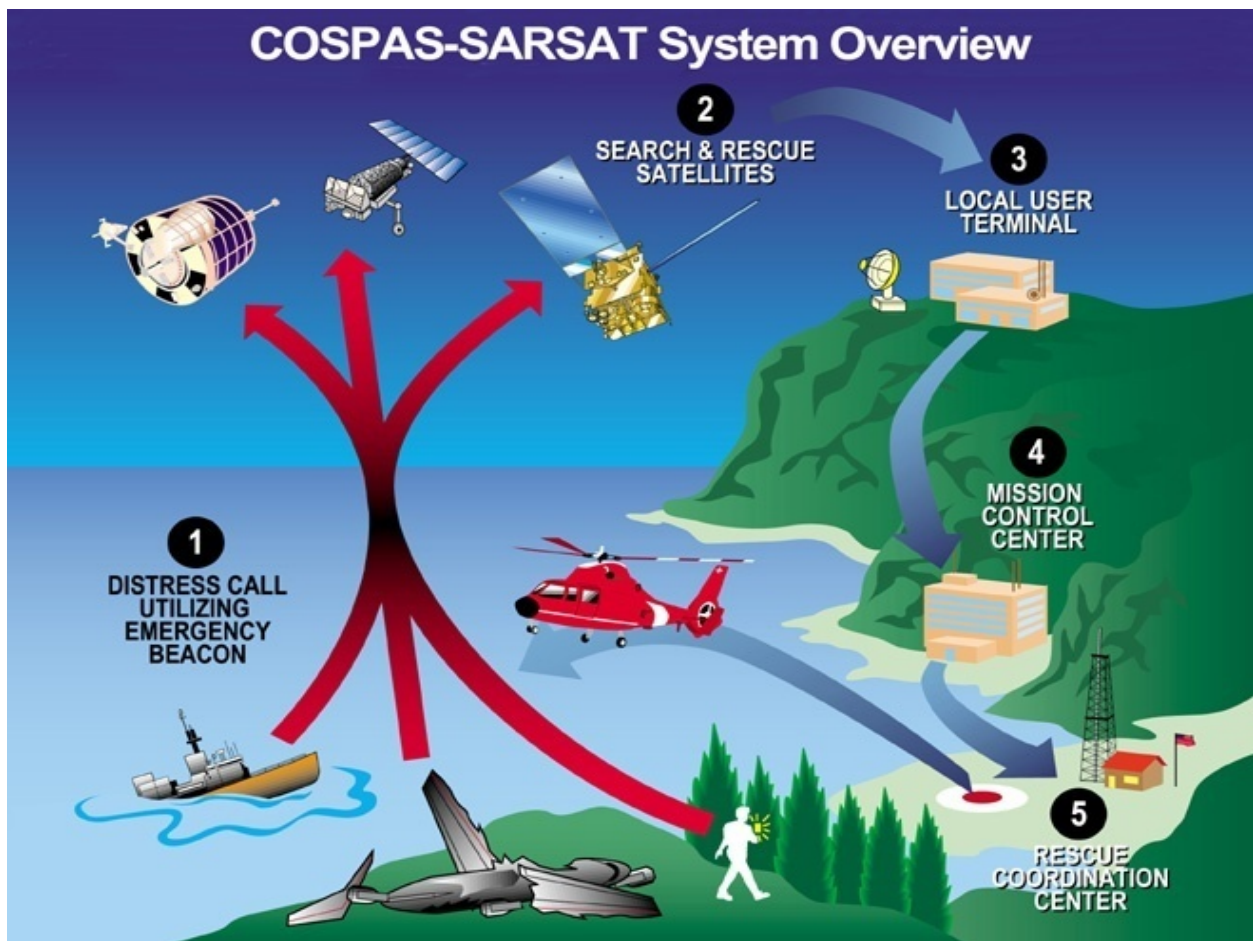
SRU NAME	MISSIONS	SAVES
36th RQS	2	3
37th HS	2	0
34 th WS NELLIS AFB	1	0
40th HF RQS	4	2
54th HS	0	0
58th RQS	0	0
58th SOW	0	0
66th RQS	0	0
79th RQS	0	0
91 ARS	0	0
304th RQS	4	6
512th RQS	1	1
563 RQG	1	3
USAF TOTAL	15	15
AIR NATIONAL GUARD		
SRU NAME	MISSIONS	SAVES
163rd ATTACK WING	0	0
ANG TOTAL	0	0
MARINES		
SRU NAME	MISSIONS	SAVES
39 MAG	1	0
MCAS YUMA	0	0
USMC TOTAL	1	0
COMBAT SUPPORT AGENCY		
SRU NAME	MISSIONS	SAVES
National Geospatial-Intelligence Agency	0	0
CSA TOTAL	0	0
CIVIL AIR PATROL		
SRU NAME	MISSIONS	SAVES
NHQ CAP	314	82
AL CAP	5	0
AZ CAP	11	1
AR CAP	1	0
CA CAP	39	0
CO CAP	6	0
CT CAP	2	0
DE CAP	0	0
FL CAP	39	0
GA CAP	11	0
HI CAP	0	0
ID CAP	3	1

IL CAP	7	0
IN CAP	6	0
IA CAP	0	0
KS CAP	1	0
KY CAP	2	0
LA CAP	2	0
ME CAP	0	0
MD CAP	5	0
MA CAP	6	0
MI CAP	6	1
MN CAP	7	0
MS CAP	4	0
MO CAP	3	0
MT CAP	1	0
NE CAP	4	0
NV CAP	7	3
NH CAP	1	0
NM CAP	8	3
NJ CAP	5	0
NY CAP	8	1
NC CAP	16	3
ND CAP	0	0
OH CAP	8	0
OK CAP	3	0
OR CAP	10	0
PA CAP	6	0
RI CAP	1	0
SC CAP	6	0
SD CAP	6	0
TN CAP	5	1
TX CAP	23	0
UT CAP	6	0
VT CAP	0	0
VA CAP	7	0
WA CAP	3	0
WV CAP	1	0
WI CAP	5	0
WY CAP	8	1
PR CAP	0	0
CAP Total	628	90
ALL SRUs TOTAL	758	217

**REMEMBER TO REGISTER YOUR 406 MHz BEACON &
UPDATE IT ANYTIME A CHANGE IS MADE!**

HELP US SAVE LIVES!

<https://beaconregistration.noaa.gov>



For more information about the AFRCC annual report or if you have questions or concerns addressing the information in this product, please contact the AFRCC at afrc.console@us.af.mil or at 850-283-5129.



AIR FORCE RESCUE COORDINATION CENTER
650 Florida Avenue, Stop 73
Tyndall Air Force Base, Florida 32403
EMERGENCIES ONLY: Commercial 850-283-5955 / DSN 523-5955
Office: Commercial 850-283-5129 / DSN 523-5129 / FAX 850-283-5101
afccc.console@us.af.mil

<http://www.1af.acc.af.mil/units/afccc/>

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