

Contact Us

Doha, Qatar – Umm Qarn

ID Code: +974

Phone: 44980354

Fax: 44218538

Email: djrccqatar@gmail.com

Web: www.djrcc.com.qa

General SAR Terms, Definitions and Abbreviations

DJRCC/QAMCC

Issue 1
March 2021



DJRCC/QAMCC
Doha, Qatar –
Umm Qarn



The following are terms, definitions and abbreviations used in the SAR documentation of the State of Qatar

A/C	Aircraft.
ALERTFA	Alert Phase.
AM	Amplitude Modulation.
ANS	Air Navigation Services.
ATC	Air Traffic Control.
ATS	Air Traffic Services.
ATSU	Air Traffic Services Unit.
BT	Beacon Testing.
Catastrophic Incident	Any manmade or natural incident, including terrorism, that results in extraordinary levels of mass casualties, damage, or disruption severely affecting the population, infrastructure, environment, economy, national morale, or government functions.
CH 16	Channel 16.
Chicago Convention	ICAO's Convention on International Civil Aviation.
Cospas-Sarsat	International Cospas-Sarsat Programme. A satellite-aided search and rescue initiative. It is organised as a treaty-based, non-profitable, intergovernmental, multinational humanitarian cooperative of countries. It is dedicated to detect and locate radio beacons activated by persons, aircraft or vessels in distress, and forward this alert information to authorities that can act for rescue.
CSS	Coordinator Surface Search.

Search and Rescue Cycle



The basic Cospas-Sarsat concept is illustrated in the above figure. The System is composed of:

- Distress radio beacons (ELTs for aviation use, EPIRBs for maritime use, and PLBs for personal use) which transmit signals during distress situations
- Instruments on board satellites in geostationary and low-altitude Earth orbits which detect the signals transmitted by distress radio beacons
- Ground receiving stations, referred to as Local User Terminals (LUTs), which receive and process the satellite downlink signal to generate distress alerts
- Mission Control Centers (MCCs) which receive alerts produced by LUTs and forward them to Rescue Coordination Centers (RCCs), Search and Rescue Points of Contacts (SPOCs) or other MCCs.

Search	An operation using available personnel and facilities to locate persons in distress.
SIF	Selective Identification Feature.
SITREP	Situation Report.
SM	Search Master.
SMC	Search and Rescue Mission Coordinator.
SOLAS	International Convention for Safety of Life at Sea.
SPOC	Search and Rescue Point of Contact.
SRR	Search and Rescue Region.
SRU	Search and Rescue Unit.
UHF	Ultra-High Frequency.
UNCERFA	Uncertainty Phase.
UNCLOS	United Nations Convention on the Law of the Sea.
VHF	Very High Frequency.
VTS	Vessel Traffic Services.
W/T	Wireless Telephony.

CW	Continuous Wave.
DF	Direction Finding.
DISTRESFA	Distress Phase.
DJRCC	Doha Joint Rescue Coordination Centre.
DSC	Digital Selective Calling.
EEZ	Exclusive Economic Zone.
ELT	Emergency Locator Transmitter.
ELT(AD)	“Automatically Deployable ELT” which is rigidly attached to an aircraft and which is automatically deployed and activated by impact, and, in some cases, also by hydrostatic sensors; manual deployment is also provided.
ELT(AF)	“Fixed Automatically activated ELT” which is permanently attached to an aircraft.
ELT(AP)	“Portable Automatically activated ELT” which is rigidly attached to an aircraft and which is automatically deployed and activated by impact, and, in some cases, also by hydrostatic sensors; manual deployment is also provided.
ELT(DT)	“Distress Tracking ELT” mandated to autonomously transmit information from which an aircraft position can be determined by the operator at least once per minute when the aircraft is in distress.
ELT(S)	“Survival ELT” which is removable from an aircraft, stowed so as to facilitate its ready use in an emergency, and manually activated by survivors.
EMS	Emergency Medical Services.
EPIRB	Emergency Position Indicating Radio Beacon.
ETA	Estimated Time of Arrival.
FIC	Flight Information Centre.
FM	Frequency Modulation.
GADSS	Global Aeronautical Distress and Safety System.
GEOSAR	Geostationary Earth Orbit (GEO) Search and Rescue.
GMDSS	Global Maritime Distress and Safety System.
HF	High Frequency.
HIA	Hamad International Airport.
IAMSAR	International Aeronautical and Maritime Search and Rescue.
IAMSAR Manual	International Aeronautical and Maritime Search and Rescue Manual.

IBRD	International Beacon Registration Database.
ICAO	International Civil Aviation Organisation.
IFF	Identification Friend or Foe.
IMO	International Maritime Organisation.
Inmarsat	International Mobile Satellite Organisation.
ISF	Internal Security Force.
kHz	Kilohertz (1000 Hertz).
LEOSAR	Low earth Orbit (LEO) Search and Rescue.
LO	Liaison Officer.
LUT	Local User Terminal.
MCC	Mission Control Centre.
Medevac	Medical Evacuation.
MEDICO	Medical Coordination and Advice.
MEOSAR	Medium-altitude Earth Orbit (MEO) Search and Rescue.
MF	Medium Frequency.
MHz	Megahertz.
MO	Meteorological Office.
MOD	Ministry of Defence.
MOI	Ministry of Interior.
MOTC	Ministry of Transport and Communications.
MRO	Mass Rescue Operation. 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.
MSI	Maritime Safety Information.
NATO	North Atlantic Treaty Organisation.
Navtex	Navigation Telex.
NBDP	Narrow-Based Direct Printing.
NC	National Control.
NCC	National Command Centre.
NSARC	National Search and Rescue Committee. A governmental committee that acting as a coordinating forum for national SAR matters.
OPS	Air Operations.
OSC	On-Scene Commander.
PLB	Personal Locator Beacon.
POB	Persons on Board.
QAMCC	Qatar Mission Control Centre.
QCAA	Qatar Civil Aviation Authority.

QCAR	Qatar Civil Aviation Regulations.
QCG	Qatar Coast Guard.
QEAF	Qatar Emiri Air Force.
QEN	Qatar Emiri Navy.
QP	Qatar Petroleum.
R/T	Radio Telephony.
RCC	Rescue Coordination Centre. A unit, recognized by the International Civil Aviation Organization (ICAO), International Maritime Organization (IMO), or other cognizant international body, responsible for promoting efficient organization of SAR services and for coordinating the conduct of SAR operations within a SAR Region (SRR).
Rescue	An operation to retrieve persons in distress, provide for their initial medical or other needs, and deliver them to a place of safety.
RLS	Return Link Service.
RSC	Regional Support centre.
SAR	Search and Rescue. An operation to locate and retrieve person in distress or imminent danger, provide for their initial medical or other needs and deliver them to a place of safety.
SAREX	Search and Rescue Exercise.
SARM	Search and Rescue Manual.
SAR Convention	IMO's International Convention on Maritime Search and Rescue.
SAR Coverage Area	An area associated with a Rescue Coordination Centre, within which search and rescue services are provided.
SAR Facility	Any mobile resource, including designated search and rescue units, used to conduct search and rescue operations.
SAR Service	The performance of distress monitoring, communication, coordination and SAR functions, including provision of medical advice, initial medical assistance, or medical evacuation, through the use of public and private resources, including cooperating aircraft, vessels and other craft and installations.
SC	"Search and Rescue Coordinator" is one or more persons or agencies with overall responsibility for establishing and providing SAR services.