

GLOBAL AERONAUTICAL DISTRESS AND SAFETY SYSTEM **(GADSS) 2025-2026**

COURSE DESCRIPTION

This course is designed to provide students with an in-depth understanding of GADSS as part of the SAR Mission Coordinator (SMC) responsibilities under a Joint Rescue Coordination Centre (JRCC), an Aeronautical Rescue Coordination Centre (ARCC) or a Maritime Rescue Coordination Centre (MRCC). The course explores all chapters in the recently released ICAO Document 10165 (2025) and represents the latest information available on GADSS. This course is an absolute necessity for any personnel engaged in aeronautical RCC operations.

INTENDED AUDIENCE

Any personnel who may be involved directly or indirectly in search and rescue activities. This includes Rescue Coordination Centre personnel, On Scene Coordinators, Air Traffic Control personnel, Civil Aviation personnel, Emergency responders, Coast Guard, Navy, Air Force, Maritime Enforcement Agencies, Police, Administrators and Management.

REFERENCES

ICAO Doc 10165 Manual on Global Aeronautical Distress and Safety System (Feb 2025)

IAMSAR manual Volume II- Operations 2022 edition

IAMSAR manual Volume III- Mobile facilities 2022 edition

ICAO Annex XII- Search and Rescue 2024 edition

GENERAL LEARNING OUTCOME

This course yields a solid understanding of the GADSS system, its origin, the various complex components involved in GADSS, the relationship between ATS and airline operators, access to pertinent databases, the Cospas-Sarsat component and more.



PREREQUISITES

Fundamentals of SAR or equivalent
Basic aviation knowledge

LANGUAGE

Understanding of the English language both written and spoken preferably with a minimum of ICAO Level 3 English proficiency.

DURATION AND LOCATION

Course duration is 5 training days, available in 2025-2026 under mobile on-site training at your location (we come to you) or in-house at our facilities in Canada (you come to us). For mobile on-site training, the client provides suitable classroom environment and computers/ IT equipment.

CLASS SIZE

A maximum of 8 students per instructor.

INSTRUCTING PERSONNEL QUALIFICATIONS

All proposed instructors are Canadian Aeronautical SAR Mission Coordinators from a Canadian Joint Rescue Coordination Centre with a minimum of 5-year experience in SAR and JRCC.

COURSE TOPICS- SAMPLE

GADSS overview and history
System architecture
Aircraft Tracking
Relationship ATS and Aircraft Operator
Actions in the event of a missed position report
Location of an aircraft in distress
Autonomous Distress Tracking
RCC and State responsibilities
Post Flight Localization and Recovery
Carriage and operation of Emergency Locator Transmitters
RCC/ATS/Operator process and procedures
Flight Data Recorder
Contact information
Location of Aircraft in Distress Repository (LADR)
Cospas-Sarsat

CERTIFICATION

Graduating students receive a certificate of successful completion of the GADSS course.



COURSE FEE

All-inclusive format. Includes tailored course preparation for specific personnel, instruction delivery, graduation certificates and more. For onsite delivery it includes airfare, hotel, meals, local transportation and incidentals.

AVAILABILITY AND PREPARATION TIME

Course availability depends upon IAMSAR Solutions' ongoing commitments. A minimum of 90 days from contract signature is required prior to starting training.