

Agencija za civilno letalstvo
Slovenija



Civil Aviation Agency
Slovenija

Regional cooperation:

Regional
Aeronautical
Search
And
Rescue
Advisory
Committee



ICAO EUR SAR Workshop

Agenda Item 2: Background to SAR activities in the EUR Region

Belgrade, 16 September 2019

Baseline: ICAO ANNEX 12 „Search and Rescue” to the Convention on International Civil Aviation

Agencija za civilno letalstvo RS, Kotnikova 19a, 1000 Ljubljana



OBLIGATIONS OF ICAO MEMBER STATES IN SAR

2.1.1

Contracting States shall, individually or in cooperation with other States, arrange for establishment and prompt provision of search and rescue services within their territories to ensure that assistance is rendered to persons in distress. Such service shall be provided on 24-hours basis.

3.1 Cooperation between States

3.1.1

Contracting States shall coordinate their SAR organization with those of neighbouring States.

3.1.2

Contracting States should, whenever necessary, coordinate their search and rescue operations with those of neighbouring States especially when these operations are proximate to adjacent search and rescue regions.

3.1.2.1

Contracting States should, in so far as practicable, develop common search and rescue plans and procedures to facilitate coordination of search and rescue operations with those of neighbouring States.

Annex 12
to the Convention on
International Civil Aviation

Search and Rescue

This edition incorporates all amendments adopted by the Council prior to 24 February 2004 and supersedes, on 25 November 2004, all previous editions of Annex 12.

For information regarding the applicability of the Standards and Recommended Practices, see Foreword.

Eighth Edition
July 2004

International Civil Aviation Organization



Baseline: ICAO ANNEX 9 „Facilitation” and Annex 11 „ATS” to the Convention on International Civil Aviation

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ICAO Annex 9, Chapter 8, B:

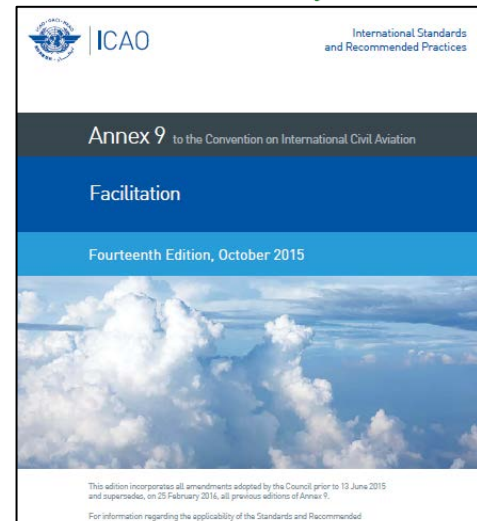
Facilitation of search, rescue, accident investigation and salvage

8.3 Contracting States shall make arrangements to ensure entry without delay into their territories on a temporary basis of qualified personnel required for search, rescue, accident investigation, repair or salvage in connection with a lost or damaged aircraft.

8.3.1 In arranging for the entry without delay of the personnel, States shall not require any other travel document than a passport.

ICAO Annex 11

several provision regarding search and rescue in relation to provision of ATS



REGIONAL OPERATIONAL SAR CHALLENGE

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1. Agree on SRR

2. International cross-border SAR agreement

3. Operational Agreements (National SPOC, communications, contacts details, procedure for requesting support, procedure for entering, SAR assets catalogue)

4. Develop common operational procedures between States (scramble procedures, frequency plan, Standing Diplomatic Clearances, OSC, ACO, SITREP, operational language)

5. Mutual SAR expert visits

6. Joint Training

7. Multinational SAR exercise (bilateral exercises)

Initiative between CAD Serbia and EUROCONTROL...

Regional Aeronautical Search and Rescue Advisory Committee



High-level regional SAR conferences held in Serbia in 2015 and 2016



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Main conclusions:

Recognized the need for regional cross-border cooperation for the efficient conduct of aeronautical SAR operations

Invited the Serbian CAD (Civil Aviation Directorate of the Republic of Serbia) to formalize regional cross-border cooperation by the end of 2016

Invited EUROCONTROL, ICAO and States to assess the need and, in case of missing agreements, to conclude as soon as possible SAR cross-border bilateral agreements in accordance with Annex 12

Invited EUROCONTROL and States involved in the regional cross-border cooperation to support implementation of the ICAO Global Aeronautical Distress and Safety System (GADSS)

Recognising the need for harmonizing and strengthening international cooperation and especially regional cooperation for the efficient conduct of aeronautical SAR operations

Recognising the efforts by the ICAO EUR/NAT European SAR Task Force to promote the enhancement and improvement of SAR facilities and services within the EUR Region and adjacent regions

Respecting the equity and voluntary membership in regional cooperation

Bearing in mind the conclusions of the Regional Civil Aviation Authorities meeting, held in Belgrade on 22 January 2015 and the Regional Search and Rescue Conference, held in Belgrade on 9 and 10 February 2016



Establishment of RASARAC

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Memorandum of Understanding on the establishment of the Regional Aeronautical Search and Rescue Advisory Committee (RASARAC) has been signed by the 8 States from Central and Southeast Europe on 03 Nov 2016

Regional Aeronautical Search and Rescue Advisory Committee



Objectives

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Provide an overview of the initiatives underway in the Central and Southeast European region for significant and sustainable improvement in the provision of Search & Rescue (SAR) services

Show that the most efficient way to meet the community's expectations of SAR services is achieved through cooperation among the region's States as well as inter-regional collaboration

Focus on the institutional and operational aspects of cross-border cooperation in SAR, and the identification of modalities for efficient collaboration to enhance the regional SAR system, including bespoke SAR training

Recommend the rationalisation of resources through regional cooperation and coordination in accordance with the technical and operational capacity of each State

Outline the improvements needed in the area of SAR and the impact of the Global Aeronautical Distress & Safety System (GADSS)



Regional Aeronautical SAR Advisory Committee

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Committee consists of civil and military representatives of participating States

- ❖ Croatia
- ❖ Hungary
- ❖ Czech Republic
- ❖ Bulgaria

Observer States

- ❖ Bosnia-Herzegovina
- ❖ Montenegro
- ❖ North Macedonia
- ❖ Serbia
- ❖ Slovakia
- ❖ Slovenia

Member States

Several States have meanwhile expressed their interest to take part in the Initiative in the near future

e.g. Austria, Albania, Romania, Poland, Greece

RASARAC is together with the ICAO EUR/NAT Office and EUROCONTROL de facto the largest SAR permanent forum in Europe





RASARAC signed two cooperation agreements:

1. EUROCONTROL

MoU on mutually identified priority areas of cooperation on SAR matters

signed on 09.11.2017

2. JRCC Larnaca

MoU on the establishment of official coordination and cooperation on SAR matters

signed on 16.11.2018



MoU with EUROCONTROL

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On-going collaborative framework with the Regional SAR Committee

Proposed future work to cover:

Cooperation with ATS providers, AO & maritime SAR components

Collaboration with AIIB & judicial services

Regional GADSS implementation & interaction with SAR

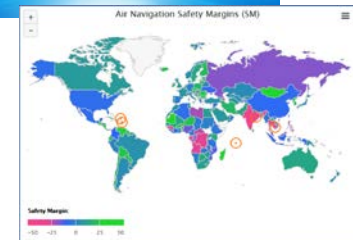
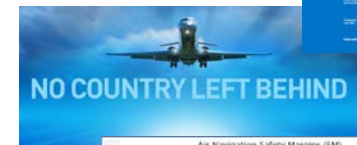
SAR organisation and operations over the High Seas

Usage of unmanned vehicles in SAR operations

Certification processes for SAR

SAR support from / to non-neighbouring countries

All activities corroborated by the conclusions of the AN-Conf/13





Enhance cooperation and coordination on the area of SAR Trainings

Provision of certified teoretical and practical training (free of charge 2018-2020)

Identification of topics to be added to SAR training

Exchange information, experiences and good practises

To be observers in joint SAR exerceive organised by Larnaca





Members: 6

Observers: 4

Regular participation: EUROCONTROL and ICAO

Other candidates: 4

Requested cooperation: 1

Established cooperation: DG GROW in the area of GALILEO





Objectives of the Regional Aeronautical SAR Committee:

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Objectives of the Regional Aeronautical SAR Committee:

To provide support to the Parties of the MoU in building and maintaining aeronautical SAR capacities

To enhance cross border cooperation among Parties in this area





WGs established by RASARAC Expert Team

WG1 - WG on SAR cross-border cooperation

WG2 - WG on SAR operational requirements and procedures

WG3 - WG on SAR training

WG4 - WG on SAR oversight



WG1 - WG on SAR cross-border cooperation (1/2)

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Composition

Chair: Slovenia

Members: Members and Observers, ICAO and EUROCONTROL representatives

Tasks

To prepare a cross-border SAR agreement template, in accordance with ICAO Annex 12 and IAMSAR provisions

To prepare a template for SAR operational LoAs, concurrent with the requirements for State-level SAR agreements

Deliverables

Draft Multilateral Agreement through several interaction agreed and supported by all members and Observers
National processes have already started





Next steps:

Signature of the multilateral agreement in 2020

Preparation Operational agreements between members and observers and other arrangements

Possible involvement of neighbouring states



WG2 - WG on SAR operational requirements and procedures

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Composition

Chair: Montenegro

Members: Members and Observers, ICAO and EUROCONTROL representatives

Aim

Better understanding how we, individually, manage SAR activities in civil aviation

Tasks

To prepare a comprehensive questionnaire to collect relevant information from the States regarding SAR operational capabilities relative to cross-border cooperation (capabilities) in the Region

To verify and use, as appropriate, the ICAO USOAP SAAQ as well as the audit PQs in preparation of the above said task

Deliverables

already completed questionnaire by each side

Next

Classify the questionnaire responses, draw conclusions and propose further action to the Steering Board with intention to improve cooperation on operational issues



WG3 - WG on SAR training (1/2)

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Composition

Chair: Serbia

Members: Members and Observers, ICAO and EUROCONTROL representatives

Tasks

To collect SAR training requirements from the States in terms of compliance with the provisions of Annex 12 and IAMSAR as well as accepted "good practices"

To analyse, and report on SAR regional training needs and potential solutions (*if existing*) with a focus on initial and specialist SAR operational, inspector and management tasks, plus theoretical, on-the-job and continuation training requirements

To verify and use, as appropriate, the relevant ICAO USOAP audit PQs in preparation of the aforementioned task

Deliverables

Reports, documents

Identified SAR training needs / priorities:

1. A course which provides SAR Coordinators / SAR Managers theoretical and practical knowledge on the planning and management of SAR organisations
2. A course which provides SAR Mission Coordinators theoretical and practical knowledge on aeronautical SAR operations and prepares them to conduct SAR operations in respective Rescue Coordination Centres



WG3 - WG on SAR training (2/2)

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Trainings:

April 2018

SAR Training Course for SAR Administrators and SAR Mission Coordinators was organised by Serbia with the Cyprus Joint Rescue Coordination Centre – JRCC Larnaca, in accordance with the recommendations and cooperation of ICAO EUR/NAT and EUROCONTROL

Two initial SAR training sessions have been organized by JRCC Larnaca for RASARAC States:

September 2019

1. Initial SMC training

November 2019

2. Initial SAR Manager training

Exercises:

Participation of RASARAC Members and Observers to the multinational exercise ARGONAUT-2018 in May 2018 in Larnaca as well as in May 2019

Participation of RASARAC Members and Observers at exercises (ASAR 2017-2, BROKEN WING2019 organised by Members or Observers (Croatia, Slovenia, etc.)





Composition

Chair: EUROCONTROL

Members: Members and Observers, ICAO and EUROCONTROL representatives

Tasks

To analyse, and report on SAR oversight issues and potential regional solutions (*if existing*) with a focus on systemic deficiencies, *c.g.* deficiencies that have a system-wide impact, identified in ICAO USOAP audits

To connect, as suitable, the above analysis to the conclusions and recommendations of WG 1, WG 2 and WG 3

To start developing standard SAR Compliance Checklists for use at regional level

To verify and use, as appropriate, the ICAO USOAP SAAQ as well as the USOAP audit PQs in preparation of the above said task

Deliverables

Reports, documents





Next steps:

Study, and aim for solutions regarding the regional development, *c.g.* improvement of SAR oversight activities, including through mechanisms such as peer reviews, in the context of furthering the development of regional cooperation in aeronautical SAR operations and promoting compliance with the SARPs.

WG will assist, amongst others, the proper interaction between the GADSS and SAR, and regional implementation of the GADSS; the effective implementation of a State Safety Programme (SSP); future certification processes for SAR; focused SAR training, etc.

WG 4 will refer to the IE-REST tasks on the challenges faced and best practices applied to overcome those challenges in the area of SAR safety oversight





Draft aeronautical SAR agreement agreed and national procedures have started

Trainings provided for RASARAC members and observers since 2018

Cooperation on the SAREX exercises (Cyprus, Croatia, Serbia, Slovenia) since 2017

Establish cooperation with ICAO EUR/NAT office

Establish cooperation with Eurocontrol

Establish cooperation with DG GROW - Galileo

The RASARAC is together with the ICAO EUR/NAT Office and EUROCONTROL the largest SAR permanent forum in Europe





RASARAC will continue

1. Regional cooperation within RASARAC and broader

Enhance cooperation among Members and Observers and encourage them to finalize the procedures for signing SAR cross-border agreements and LoA

Support Members and Observers States to start organizing joint SAR exercise between RASARAC states

Support States in order to have effective implementation of a ICAO SARPS

Support States to continue joint training activities for all members of RASARAC

2. International cooperation

Enhanced cooperation with international organizations: ICAO and EUROCONTROL

Enhance cooperation with training organizations like JRCC LCA and ECTL IANS

Enhance cooperation with the European Commission (DG GROW etc.)

Establish closer cooperation with international organizations: COSPAS-SARSAT, Singapore SAA, etc.

3. Become a pilot project to initiate the regional implementation of the GADSS Concept of Operations

4. Promote activities of the work of RASARAC Committee to international fora

ENHANCED COOPERATION & COMMITMENTS





Thank you for your attention!



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