



MINISTRY OF TRANSPORT AND COMMUNICATIONS
DIRECTORATE GENERAL
Civil Aviation Administration



Regional cooperation in SAR

Regional
Aeronautical
Search
And
Rescue
Advisory
Committee



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Key concerns for SAR – worldwide

- **Closer integration** of civil aviation SAR service development with, especially, **the Military**
- SAR collaboration within **multinational** civil / military stakeholders
- Development of **Regional SAR Plans**
- Effective **IT / Comms** infrastructure and protocols
- **State administrations, with SAR service providers and military authorities, must act to:**
 - Develop political will
 - Establish institutional arrangements
 - Facilitate interaction between stakeholders
 - Set performance objectives
 - Elaborate practical and operational measures
 - Implement changes to ensure adequate SAR service proficiency



Regional operational SAR challenges

- Agreement on Search and Rescue Region (SRR)
- International cross-border SAR agreements
- Operational agreements
- Common operational procedures between States
- Mutual SAR expert visits
- Joint training
- Bilateral / multinational SAR exercises
- Oversight of SAR

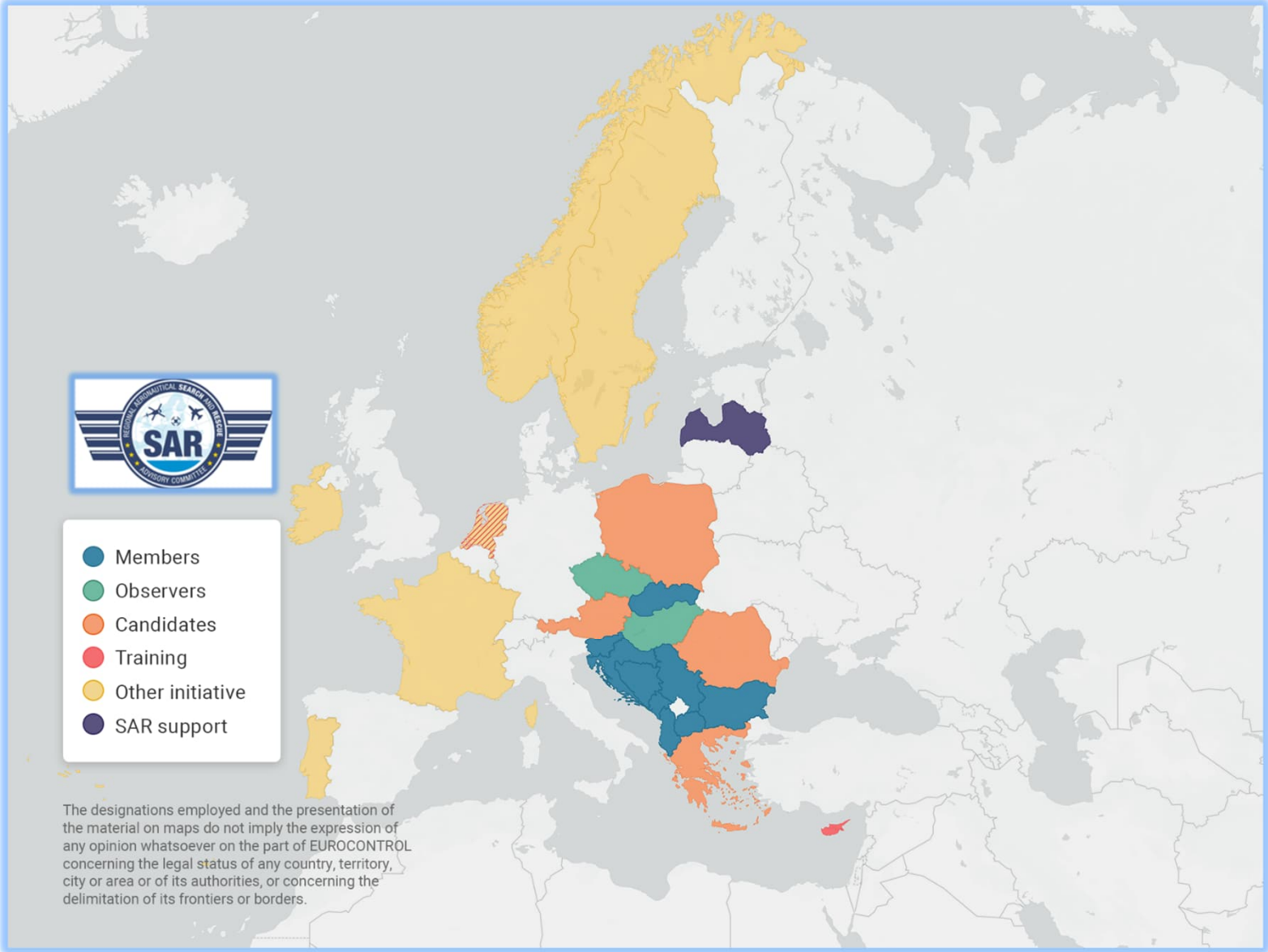


Regional Aeronautical SAR Advisory Committee

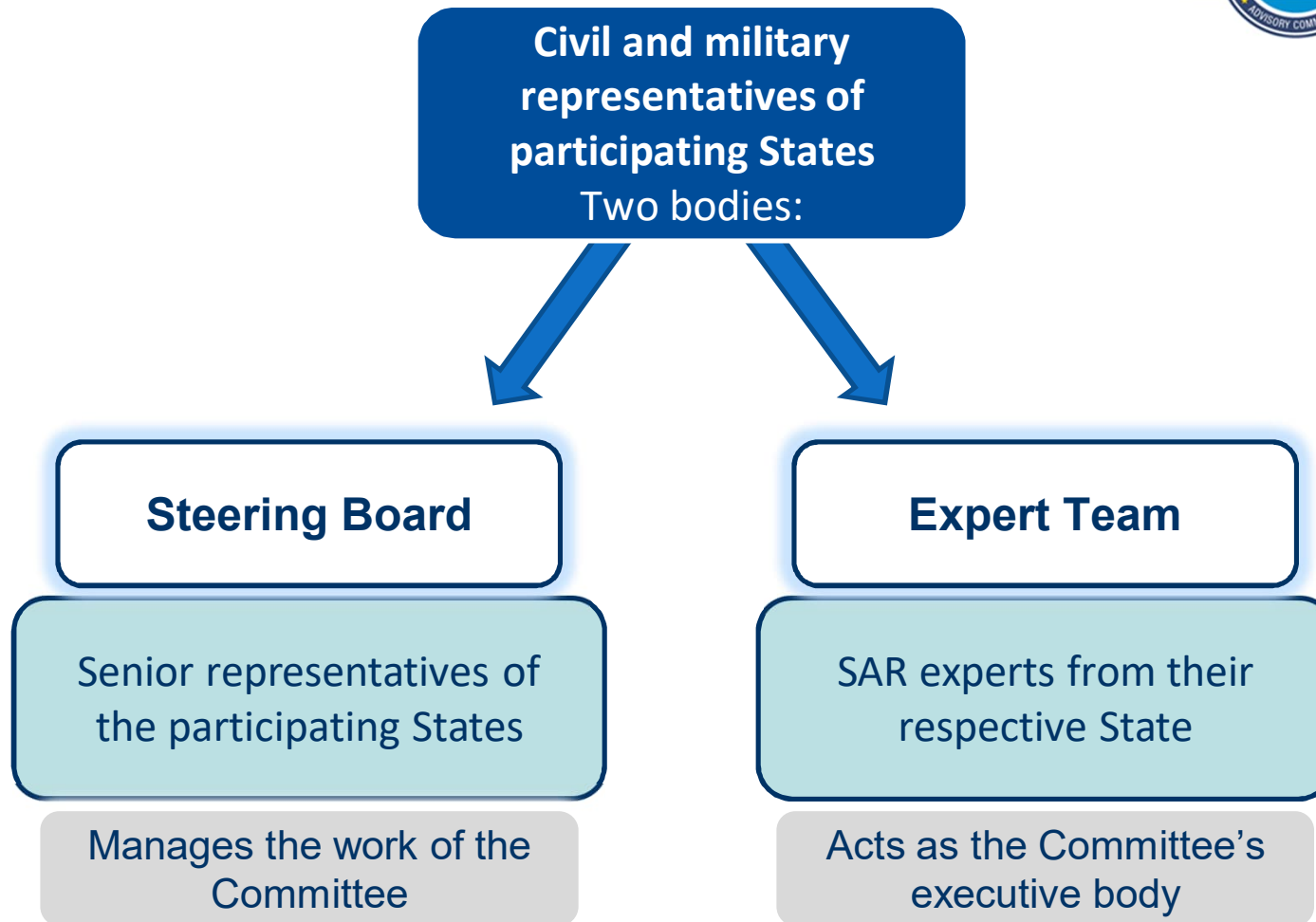


- **ICAO USOAP CMA Audit findings**
- **ICAO EANPG/56 of 24-27 Nov 2014**
- **ICAO HLSC of 02-05 Feb 2015**
- **Regional SAR Conference of 09-10 Feb 2016**
- **MoU of 03 Dec 2016 on the establishment of RASARAC**
- **MoU of 09 Nov 2017 on the provision by EUROCONTROL of support to RASARAC**
- **MoUs submitted for registration with ICAO**
- **ICAO AN-Conf/13 of 09-19 Oct 2018**
- **MoU of 16 Nov 2018 with JRCC Larnaca**
- **Multi-lateral SAR Agreement of 22 Feb 2023**
- **MoU of 08 Nov 2023 with JAA TO**

RASARAC – state of affairs



RASARAC at a glance



RASARAC, together with ICAO EUR-NAT and EUROCONTROL, is one of the largest permanent SAR forums in Europe

Key activities for 2024 – 2026



- **Provision of a permanent platform to implement MoU objectives, Work Plans and recommendations of the RASARAC WGs**
- **Cross-border SAR Agreements, LoAs and operational procedures (templates: ICAO EUR-NAT)**
- **Enhance SAR communications, reactivity and preparedness**
- **Support implementation of GADSS and LADR development**
- **SAR oversight, assessments and peer reviews**
- **SAREX, international forums and events**
- **Identification and organisation of regional training requirements**
- **Sharing “good practices” and enhancing SAR promotion**
- **Collaboration with States and international organisations**

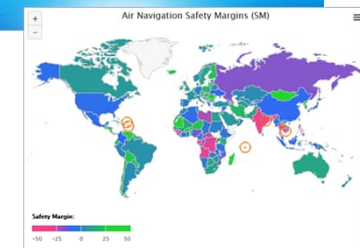
EUROCONTROL collaborative framework



... To cover:

- **Implementation of the objectives of the MoU founding the RASARAC**
- Cooperation with ATS providers, AO and maritime SAR components
- Collaboration with AIB and judicial services
- Regional GADSS implementation and 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
- “Best practices” relative to the funding of SAR in civil aviation
- SAR oversight

All work corroborated by ICAO conclusions / recommendations



RASARAC Working Groups



WG 1 – SAR cross-border cooperation

Templates for cross-border SAR agreements, per Annex 12 and IAMSAR

WG 2 – SAR operational requirements and procedures

Templates for SAR operational LoAs, SOPs and MEL for use by SAR Units

WG 3 – SAR training

Regional training needs and priorities; organisation of relevant training

WG 4 – SAR oversight

Analysis of systemic SAR oversight issues and potential regional solutions

WG 5 – collaboration with AIB and judicial services

SAR Agreement dd. 22 Feb 2023



- **“On Aeronautical SAR Cooperation and Coordination”**
- **Signed by Montenegro, North Macedonia, Serbia & Slovenia**
 - Five signatures pending completion of national procedures
- **Framework for cooperation among the Parties...**
- **...In accordance with legislation in force**
- **Definition of –**
 - **SAR Regions**
 - **Authorities – Entities**
 - **Communication and Cooperation**
 - **Facilitation of Transit**
 - **Operational Agreements**
 - **Costs**
 - **Rights and Obligations**
- **Open for accession by ICAO Contracting States**
- **Registered with ICAO**

MoU with JRCC Larnaca



- Provision of certified theoretical and practical training
- Identification of topics to be added to SAR training
- Exchange information, experiences and good practices
- Observer status in joint multinational SAR exercises organised by JRCC Larnaca
- **New Appendix signed on 17 Nov 2022, to cater for the period 2023 – 2027**
 - Four out of five priority training needs organised since 2023

MoU with JAA TO



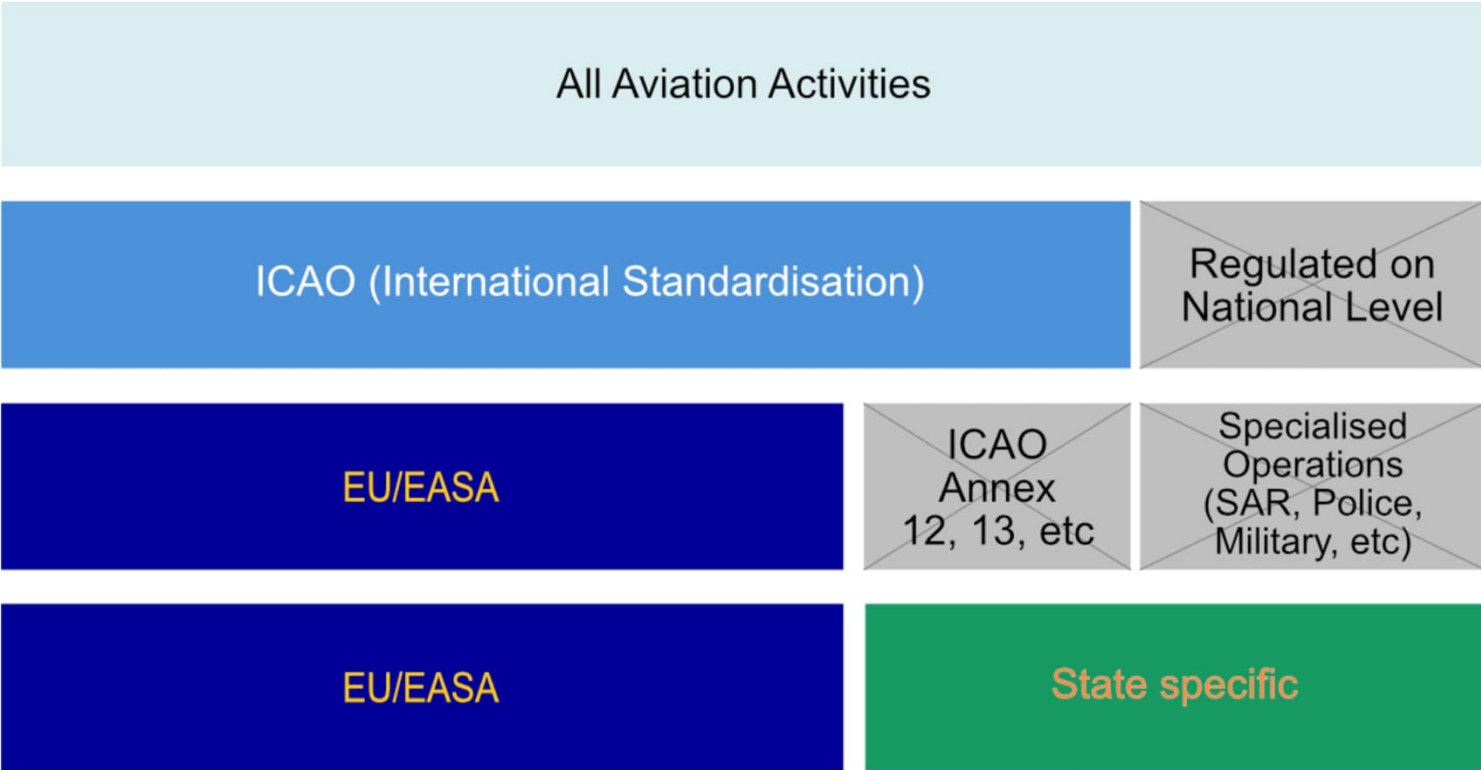
- **Bearing in mind ICAO EUR Doc 043 and Doc 044...**
- **Provision of specialised training to the RASARAC**
- **Priority:** “training relative to effective and efficient SAR system assessment and oversight according to the Committee’s specifications”
- **Confirms the efforts by the EUR SAR TF**
- Support of RASARAC to “Effective SAR System Oversight” course
- **Activities:**
 - Provision of certified SAR training (theoretical – practical),
 - Cooperation on identifying topics to be added to SAR training,
 - Exchange information, experience and good practices, aiming to enhance cooperation and the improvement of SAR SOP,
 - Consider collaboration on SAR training matters
- **Signed on 08 Nov 2023**

WORKSHOPS ON AERONAUTICAL SAR



- **Provide expertise consistent with international regulations, SARPs and associated documents in SAR operations of aircraft over land and sea**
- Broadest possible civil and military participation from the SAR Community
- International Standards and Recommended Practices in the SAR area
- ICAO EUR Doc 039, EUR Doc 043, EUR Doc 044, and EUR Doc 045
- Guidance Material from the IAMSAR Manual
- Global alerting systems and relevant documentation
- Status and development of GALILEO
- GADSS and LADR
- Regulation (EU) 2018/1139 and relevant Implementing Rules
- SAR oversight and analysis
- Key SAR findings and significant concerns for SAR, globally
- Follow-up of the ICAO USOAP CMA process
- Strengthening of regional coordination, cooperation and training

SARPs vs. EU / national rules & regulations



Improving SAR legislation

- **State's obligations to conduct SAR safety regulation and oversight**
- Need to provide clarity in the definition of responsibilities
- EC and EASA requested to provide guidance for civil SAR operations
- **No SAR SARPs exist to assist CAAs to construct civil SAR rules**
- **No worldwide standard approach = inconsistent levels of oversight**
- Issue acknowledged in ICAO Regional SAR Plans
- **State performance-based SAR oversight programme**
- **Accidents should not be the catalyst to initiate a review of national SAR systems**

SUMMARY



State responsibilities

Regional cooperation within RASARAC and beyond

Enhanced international cooperation

Pilot projects and regional implementation

Continuation – Cooperation – Commitment



***Thank you for your
attention***

