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# INTERNATIONAL CIVIL AVIATION ORGANIZATION

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# EUR SAR oversight capabilities

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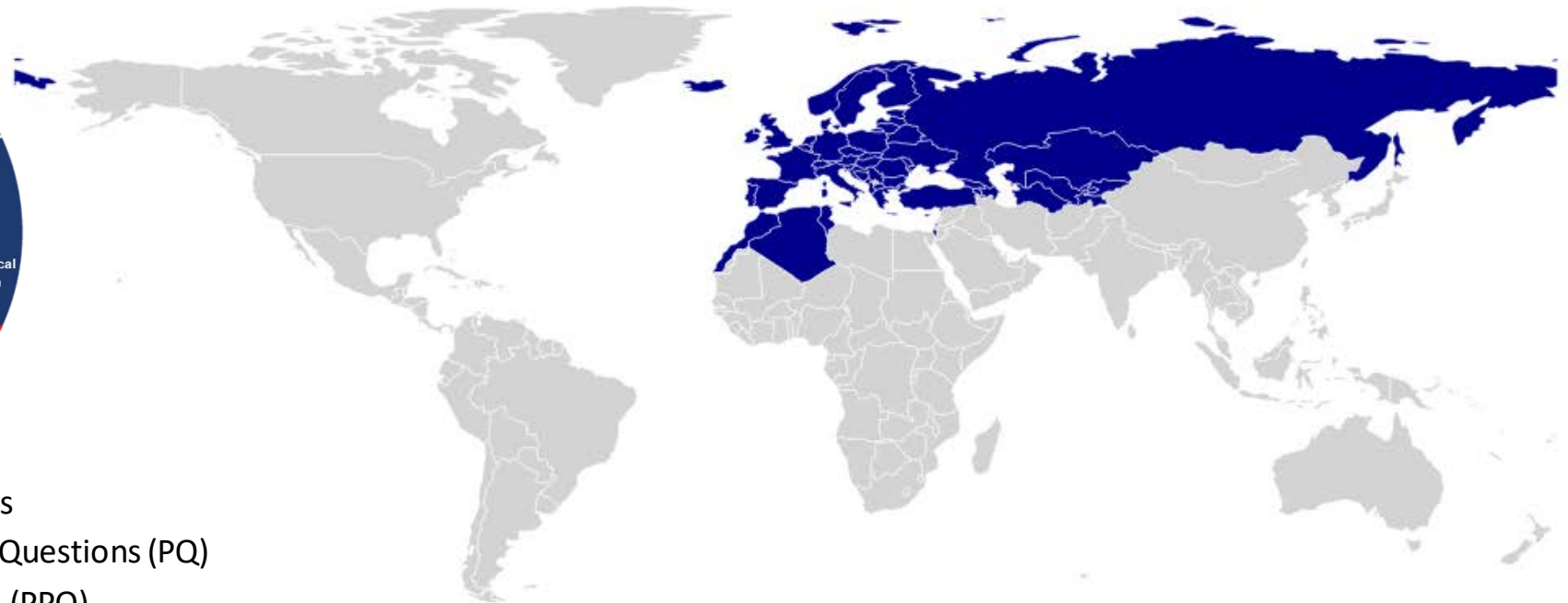
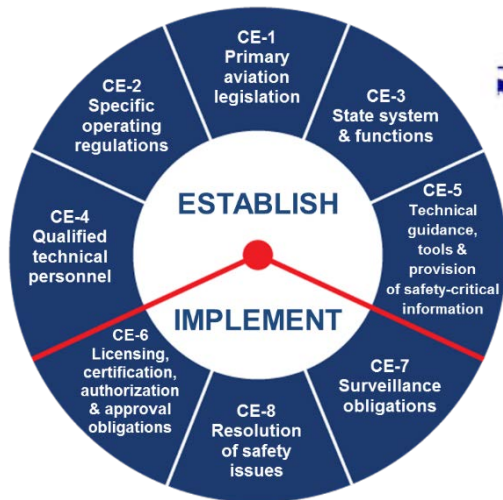
ICAO EUR/NAT

# EUR SAR Oversight Capabilities

Implementation by EUR States

**67%**

EUR States Effective Implementation of SAR oversight



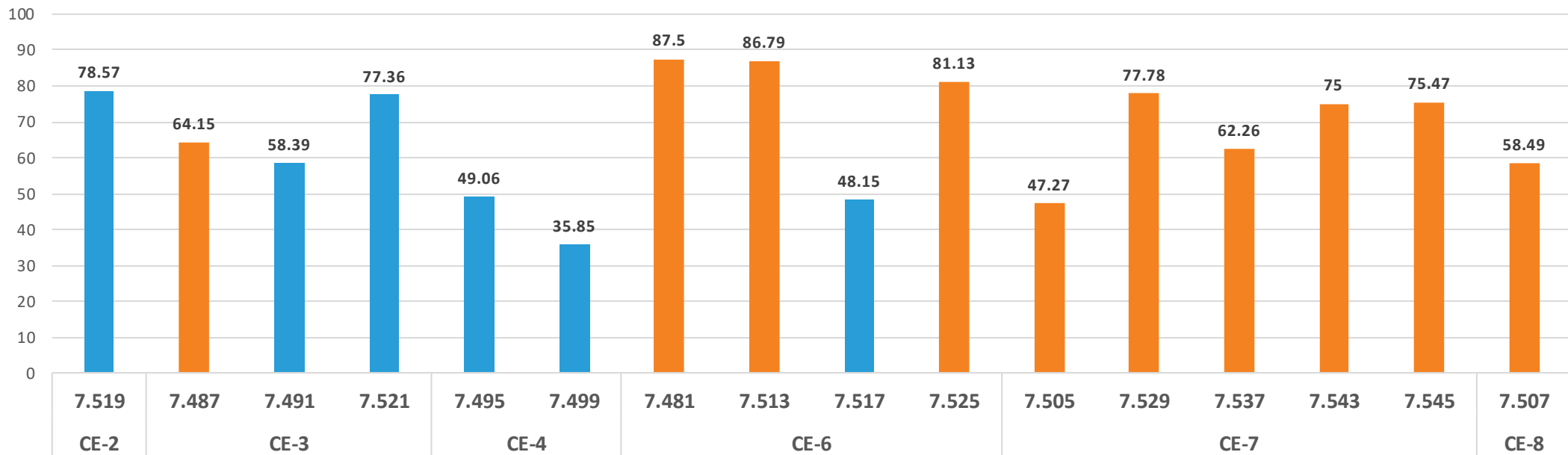
- USOAP CMA audit results
- 16 SAR related Protocol Questions (PQ)
- Including 11 Priority PQs (PPQ)

# Effective Implementation (EI)

## SAR PQs for EUR States

Effective Implementation (EI %) of SAR PQs for EUR States (August 2023)

*PPQs displayed in red*





## EUR SEARCH AND RESCUE TASK FORCE (EUR SAR TF)

ELEVENTH MEETING  
(Paris, 15-16 September 2022)

### SUMMARY OF DISCUSSIONS

#### 1. Introduction

1.1 The eleventh meeting of the ICAO EUR SAR Task Force (EUR SAR TF/11) was held in the ICAO European and North Atlantic Office (ICAO EUR/NAT) in Paris, France on the 15<sup>th</sup> and 16<sup>th</sup> of September 2022.

1.2 The Meeting was chaired by Mr Nikola Sarancic (Serbia). Secretariat support was provided by Ms. Natalia Savvina and Mr. Arnaud Desjardin from the ICAO EUR/NAT Regional Office.

1.3 The EUR SAR TF/11 meeting was attended by 36 participants from 18 States and 4 international organizations, including the International Cospas-Sarsat Programme. The list of participants is contained in Appendix A.

#### 2. Welcome, introduction, administrative arrangements, approval of agenda and schedule

2.1 The Meeting was opened by ICAO EUR/NAT Regional Director Mr. Nicolas Rallo, together with the Chair of ICAO EUR SAR TF. In the opening remarks, the good work of the EUR SAR TF was recognized with the successful completion of guidance material for the safety oversight of SAR activities. References were made to the publication on the ICAO EUR/NAT webpage of:

- a) EUR Doc 043 - EUR Training Program for SAR inspectorate staff;
- b) EUR Doc 044 - SAR Inspector's Handbook to cover standardized inspection procedures for SAR inspectorate staff; and
- c) EUR Doc 045 - Guidance Material (GM) for the implementation and monitoring of PSCS (Preferred SAR Capability Specifications) of EUR SAR Plan.

2.2 The ICAO EUR/NAT Regional Director shared key priorities for the Regional Office in the area of SAR, in particular the need for enhancement of safety oversight in the Region to ensure that States fulfil their obligations under Annex 12 to the Convention on International Civil Aviation and the EUR SAR Plan (EUR Doc 039).

2.3 The following agenda was adopted for the EUR SAR TF/11:

##### Agenda Item 1: Opening of the meeting

**Agenda Item 2:** Implementation of EUR SAR Documents in accordance with the Global Air Navigation Plan (GANP), Global Aviation Safety Plan (GASP), EUR Regional Aviation Safety Plan (RASP) and the EUR Air Navigation Plan (EUR eANP) (Doc 7754);

**Agenda Item 3:** Share global SAR information among the EUR States and other stakeholders (provisional: ICAO, IMO, C/S, EC, EUROCONTROL, etc.);

**Agenda Item 4:** Promote the strengthening of SAR safety oversight capabilities;

**Agenda Item 5:** Propose amendments to EUR SAR documents;

# EUR SAR Task Force Decision

Corrective Action Plan (CAP) - Decision 11/01 (September 2022)

## EUR SAR TF Decision 11/01 –Update of CAPs on the USOAP CMA OLF for SAR related PQs

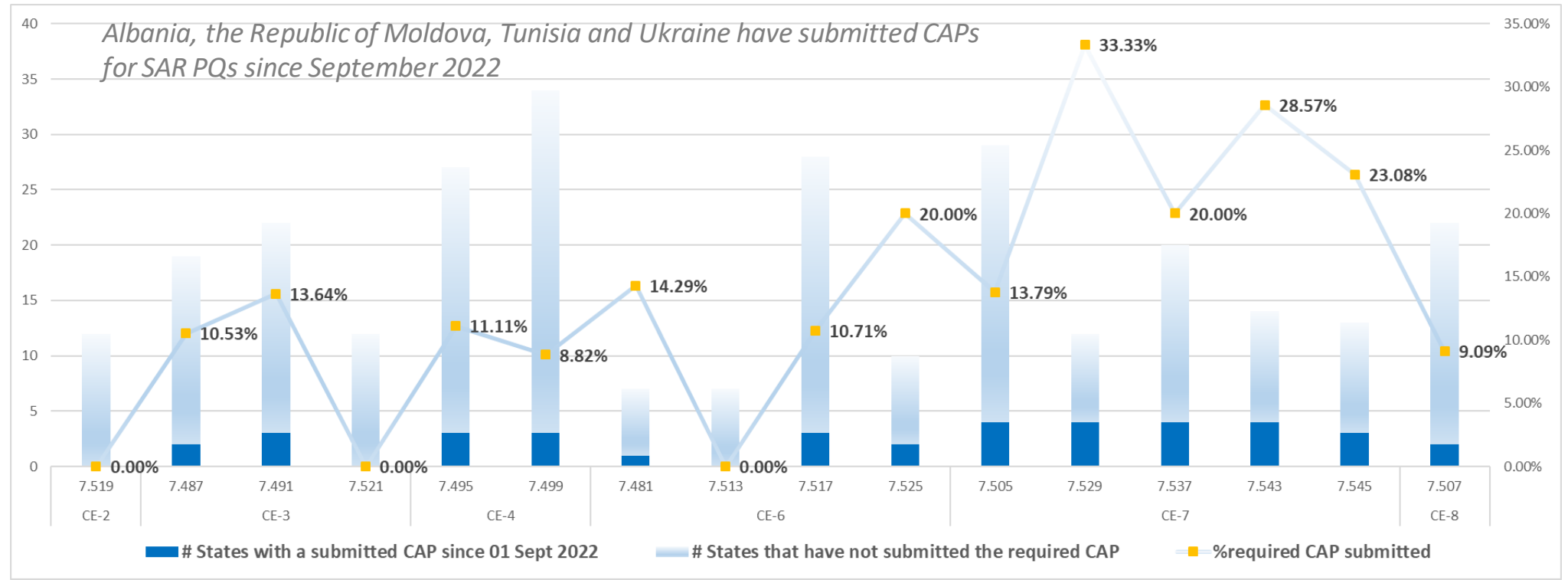
That EUR SAR TF encourage States to update their CAP as soon as practicable on the USOAP CMA OLF for any Not Satisfactory PQs related to SAR (7.481, 7.487, 7.491, 7.495, 7.499, 7.505, 7.507, 7.513, 7.517, 7.519, 7.521, 7.525, 7.529, 7.537, 7.543, and 7.545)

# CAP Progress since 09/2022

EUR States SAR PQs

**13%**

of required corrective action plans (CAPs) submitted by EUR States



# USOAP CMA Activities

Status for 2023

<b>European and North Atlantic (EUR/NAT) Region</b>			
Czechia	Focused audit	2 to 6 Oct 2023	
	SSPIA	9 to 19 Oct 2023	
Greece	Audit	6 to 18 Dec 2023	
Kyrgyzstan	Audit	13 to 25 Sep 2023	
Morocco	ICVM	4 to 11 Oct 2023	
Türkiye	Audit	13 to 25 Sep 2023	Postponed to 2024 <sup>1</sup>
Uzbekistan	Audit	17 to 29 May 2023	Completed

<sup>1</sup> Postponed at the request of the State.

# USOAP CMA Activities

Planning status for 2024

<b>European and North Atlantic (EUR/NAT) Region</b>		
Albania	ICVM	11 to 18 Dec 2024
Algeria	Audit	16 to 28 Jan 2024
Armenia	Audit	24 Jan to 5 Feb 2024
Hungary	Audit	6 to 18 Nov 2024
Türkiye	Audit	4 to 16 Sep 2024

Source: ICAO Electronic Bulletin EB 2023/29 of 29 June 2023



# SAR Capability Matrix

## EUR DOC 039 – EUR SAR Plan, Appendix D



D-1

Appendix D to  
EUR SAR Plan

APPENDIX D: SAR CAPABILITY MATRIX TABLE

(Paragraph 6.4 refers)

Last update: December 2022

	Training	Alerting	Legislative	SAR Committee	SAR Agreements	Relationships	Communications	Quality Control	Civil Military	Resources	SAREX	Library	Computerization	SAR Programme	Supply Dropping	Special Equipment	SAR Aircraft	Navigation	ELTs	COSPAS-SARSAT Alerts
Albania	D	D	D	A	B	B	E	C	D	C	E	C	C	E	-	C	C	C	D	D
Algeria	D	E	E	E	E	E	E	D	E	D	E	D	C	D	D	C	E	E	E	E
Andorra																				
Armenia	E	E	E	E	D	D	D	B	E	E	E	E	E	E	E	E	E	E	E	E
Austria	E	E	E	B	D	D	D	D	E	D	E	D	D	D	A	D	D	E	E	E
Azerbaijan	D	E	E	D	D	D	D	B	-	E	C	E	E	E	D	E	E	E	E	E
Belarus																				
Belgium																				
Bosnia and Herzegovina	C	E	D	C	D	E	D	C	E	D	E	E	D	D	C	D	D	D	D	E
Bulgaria	E	E	E	A	B	D	E	D	E	E	E	E	E	A	B	E	E	E	E	E
Croatia																				
Cyprus	E	E	E	E	D	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
Czech Republic	E	E	E	E	A	D	E	B	E	E	C	E	E	E	E	E	E	E	E	E
Denmark	E	E	E	E	D	E	E	E	E	E	E	E	E	E	D	D	E	E	E	E
Estonia	C	D	D	B	D	D	E	C	D	D	D	C	D	C	D	D	D	E	D	D
Finland	E	E	D	E	D	D	E	E	E	E	E	E	D	C	A	A	E	E	E	E
France	D	E	E	B	D	E	E	E	E	E	E	E	E	E	E	D	E	E	E	E
Georgia	C	D	E	B	C	D	D	B	B	C	C	E	E	C	C	C	A	E	D	E
Germany	E	E	E	E	C	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
Greece	E	E	E	E	D	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E

Hungary	D	D	D	B	A	C	D	C	D	D	C	D	D	C	C	D	D	D	C	E
Iceland																				
Ireland	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
Israel	B	E	B	B	E	C	E	B	E	C	C	A	E	E	B	B	B	A	E	E
Italy																				
Kazakhstan	C	E	D	E	D	C	E	A	B	D	E	C	B	A	D	C	E	B	E	E
Kyrgyzstan	B	E	B	B	E	C	C	A	C	B	B	B	E	A	C	C	B	C	E	E
Latvia																				
Lithuania	E	E	D	B	D	E	E	E	E	E	E	B	E	B	A	E	E	E	E	E
Luxembourg	A	E	A	A	A	C	D	B	A	C	A	E	A	A	A	A	C	A	E	E
Malta	D	E	E	A	E	E	E	E	E	E	C	E	E	E	E	E	E	E	E	E
Monaco																				
Montenegro	C	D	D	C	C	D	D	A	D	D	C	C	D	C	C	D	D	D	D	D
Morocco																				
Netherlands	D	C	C	C	C	D	D	C	B	E	B	B	B	B	A	C	E	E	E	E
North Macedonia	C	D	D	B	B	D	D	B	D	D	B	C	C	B	A	D	D	D	C	E
Norway	E	E	E	E	E	E	D	D	E	E	E	E	D	E	D	D	E	E	E	E
Poland	E	E	E	D	D	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
Portugal	E	E	E	E	C	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
Republic of Moldova	C	D	E	A	C	D	D	B	C	D	B	C	D	B	A	C	A	E	E	E
Romania	E	E	E	E	B	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
Russian Federation	E	E	E	E	D	D	D	B	E	E	C	E	E	E	E	E	E	E	E	E
San Marino																				
Serbia	E	E	E	D	D	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
Slovakia	D	E	E	D	B	E	E	E	E	E	D	E	E	D	E	E	E	E	E	E
Slovenia	D	E	E	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	E
Spain																				
Sweden	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
Switzerland	E	E	E	E	E	E	E	E	E	D	E	D	D	D	A	D	D	E	E	E
Tajikistan	B	B	C	A	C	B	B	B	B	A	A	B	B	A	A	A	A	B	A	A
Tunisia																				
Türkiye	E	E	E	E	D	E	E	E	D	E	E	E	E	E	E	E	E	E	E	E
Turkmenistan																				
Ukraine	C	D	D	B	D	D	D	B	E	E	C	D	D	D	D	D	E	C	E	E
United Kingdom	E	E	D	E	D*	D	E	E	D	E	B	E	E	E	A	D	E	E	E	E
Uzbekistan																				

## Legend:

A = Not implemented

B = Initial implementation

C = Meets ICAO Annex 12 requirements in some areas

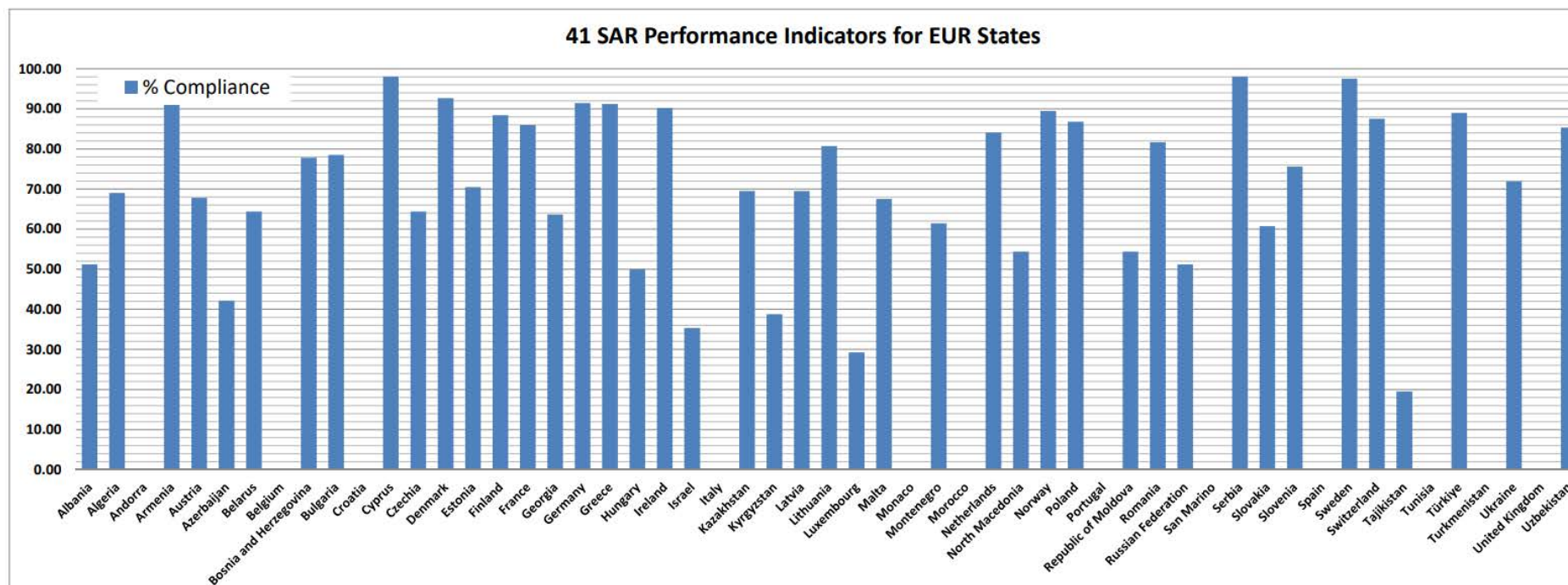
D = Meets ICAO Annex 12 requirements in most areas

E = Fully meets ICAO Annex 12 requirements

Blank = No response

# Implementation of the EUR SAR Plan

## 41 SAR Performance Indicators



# Implementation of the EUR SAR Plan

## 41 SAR Performance Indicators (January 2023)

#	Performance indicators elements	% Completion for EUR States
1	Enacted legislation that incorporates or is aligned to applicable international Conventions	74.18%
2	Unless delegated, established an entity that provides H24, SAR services within its area of responsibility/SRR	75.27%
3	Established a national SAR committee	49.82%
4	Empowered SAR Mission Coordinators with the authority to adequately carry out their responsibilities	68.73%
5	Established an Administrative Single Point of Contact for SAR (ASPOCS) for non-urgent, administrative matters	66.36%
6	Conducted studies to integrate aviation and maritime SAR, and as far as practicable, civil and military activities	50.18%
7	Conducted studies to align, as far as practicable, aeronautical and maritime SRRs, and SRRs and FIRs	47.27%
8	Established a single State SAR Plan	56.00%
9	Established aerodrome emergency plans that provide for co-operation and co-ordination with RCCs	69.45%
10	Established SAR agreements with States having adjoining SRRS or FIRs	48.18%
11	Provided up to date cross-border information on SAR capability to adjoining States	50.91%
12	Pre-arranged procedures for cross-border SAR responses	46.09%
13	Established RCC plans for response to Mass Rescue Operations (MROs) integrated with national disaster plans	51.45%
14	Established operational plans and procedures for SRUs, provision of support, communication and reporting	64.73%
15	Established SAR Alerting procedures which are tested, integrated and include civil/military protocols	63.82%
16	Provided a fully equipped RCC of sufficient size with adequate provision for operational positions and human factors	71.27%
17	Provided adequate supervisory ATC resources to allow timely SAR alerts and information to RCCs	75.27%
18	Provided sufficient RCC staffing	71.64%
19	Provided a sufficient number of trained specialist RCC officers including SMCs and A/SMCs	64.18%
20	Availability of a pool of RCC support staff who are familiar with RCC operations, but not trained as coordinators	46.91%
21	Developed SAR personnel position descriptions detailing responsibilities and eligibility criteria	69.64%
22	Developed a comprehensive training programme that includes SAR training for SAR Coordinators and SRU staff	63.09%
23	Facilitated RCC staff to be proficient in the English language	60.36%
24	Facilitated a programme of regular liaison visits between relevant RCCs, ATC units and airline operating centres	49.55%
25	Established additional oceanic SAR capability as far as practicable to ensure a timely and adequate SAR response	22.91%
26	Established sufficient SRU capabilities (crews, availability, military assets, communications, authority, etc.)	67.82%
27	Established procedures and necessary infrastructure to coordinate distress beacon alert responses	71.09%
28	Established a reliable distress beacon registration system	64.36%
29	Planned and prepared for the implementation of next generation beacons	35.09%
30	Established an appropriate nationwide means of disposal for old distress beacons	32.91%
31	Established contingency facilities, or procedures for the temporary delegation of SAR to another body or State	39.09%
32	Established a centralised information source publishing all AIP information required on SAR	67.82%
33	Established an Internet-based SAR information sharing system	33.64%
34	Established systems for the maximum practicable cooperation between State entities for information when required	61.82%
35	Developed and maintained a current, comprehensive electronic list of State SAR Facilities, SAR Equipment, and SRUs	46.55%
36	Established an Internet-based SAR Library, or cooperate by contributing to an Internet-based EUR resource	25.09%
37	Provided each RCC and SAR Authority with ready access to a current copy of SAR reference documents	60.91%
38	Conducted regular SAREX to test and evaluate coordination procedures, data and information sharing and SAR responses	60.36%
39	Implemented SAR System Improvement and Assessment measures, including Safety Management and QA systems	44.00%
40	Conducted an annual or more frequent analysis of their current State SAR system to identify specific gaps in capability	58.73%
41	Conducted SAR promotional programs	41.09%

# EUR ADT readiness survey, ICAO State letter of 24 July 2023

18 response so far

27 questions addressing the State responsibilities, RCCs, aircraft operators and ATSU

## State authorities

Albania
Algeria
Austria
BULGARIA
CAA Republik of Uzbekistan
Czech Republic
Denmark
Finland
Hungary
Latvia
Montenegro
North MACEDONIA
Republic of Croatia
Republic of Kazakhstan
Republic of Moldova
Republic of Serbia
Sweden
Switzerland

Question	Yes	No	In prg
"Has your State registered a State Focal Point in the ICAO OPS CTRL Directory (email: aircrafttracking@icao.int website: <a href="https://www4.icao.int/opsctrl/">https://www4.icao.int/opsctrl/</a> )?"	2	9	7
"Has your State taken action to ensure and facilitate the registration of all relevant organizations in the OPS CTRL Directory?"	1	8	9
"Has your State recorded the required operational contact details in the OPS CTRL Directory?"	2	12	4
"Has your State identified relevant entities and ensured they are prepared to subscribe to LADR notifications when the service is commissioned?"	3	10	5
"Has your State developed regulations requiring aircraft operator compliance with Annex 6, section 6.18?"	4	9	5
"Has your State ensured the development of procedures for RCC actions in response to ADT notifications?"	3	8	7
"Has your State ensured the incorporation of procedures for ADT notifications, and verification by aircraft operators, in existing procedures for ATS alerting services?"	3	12	3
Has your State ensured the development of procedures for RCC actions in response to ELT(DT) alerts via the Cospas-Sarsat system?"	7	5	6
"Has your State incorporated ADT considerations in procedures and manuals for safety oversight of aircraft operators, ANSPs and SAR service organizations?"	2	10	6
"Has your State published and promulgated educational material on ADT for aircraft operator, ATSU and RCC personnel and other necessary stakeholders?"	0	15	3



# Aircraft Operators

"Does your State ensure that the aircraft operators concerned have registered in the ICAO OPS CTRL Directory (email: <a href="mailto:aircrafttracking@icao.int">aircrafttracking@icao.int</a> website: <a href="https://www4.icao.int/opsctrl/">https://www4.icao.int/opsctrl/</a> )?"	2	11	5
"Does your State ensure that the aircraft operators concerned have commenced preparation for subscription to LADR notifications, when the service is commissioned?"	0	13	5
"Does your State ensure that the aircraft operators concerned have developed procedures for the initial aircraft operator response to ADT notifications?"	2	14	2

RCCs

"Does your State ensure that the SAR service providers (RCC/RSC) have registered in the ICAO OPS CTRL Directory (email: <a href="mailto:aircrafttracking@icao.int">aircrafttracking@icao.int</a> website: <a href="https://www4.icao.int/opsctrl/">https://www4.icao.int/opsctrl/</a> )?"	1	12	5
"Does your State ensure that the SAR service providers (RCC/RSC) have commenced preparation for subscription to LADR notifications, when the service is commissioned?"	2	12	4

ATSUs

Does your State ensure that the SAR service providers (RCC/RSC) have developed procedures for the initial response to ADT notifications?"	1	11	6
"Does your State ensure that the SAR service providers (RCC/RSC) have developed procedures for the initial response to ELT(DT) alerts?"	2	11	5
"Does your State ensure that the SAR service providers (RCC/RSC) have developed procedures for the use of LADR?"	2	13	3
"Does your State ensure that the SAR service providers (RCC/RSC) have trained SAR personnel to understand ADT notifications and ELT(DT) alerts, and to coordinate in accordance with the relevant procedures?"	2	13	3
"Does your State ensure that all relevant Air Traffic Service Units (ATSU) have registered in the ICAO OPS CTRL Directory (email: <a href="mailto:aircrafttracking@icao.int">aircrafttracking@icao.int</a> website: <a href="https://www4.icao.int/opsctrl/">https://www4.icao.int/opsctrl/</a> )?"	3	11	4
"Does your State ensure that all relevant Air Traffic Service Units (ATSU) have commenced preparation for subscription to LADR notifications, when the service is commissioned?"	3	11	5
Does your State ensure that all relevant Air Traffic Service Units (ATSU) have provided for LADR access to the relevant operational supervisory position in the ACC in charge of each FIR, when the ...	3	11	5
"Does your State ensure that all relevant Air Traffic Service Units (ATSU) have developed procedures for the response to ADT notifications received from aircraft operators?"	3	11	5
"Does your State ensure that all relevant Air Traffic Service Units (ATSU) have developed procedures for the response to ELT(DT) coordination received from SAR authorities?"	3	11	5
Does your State ensure that all relevant Air Traffic Service Units (ATSU) have trained relevant ATS personnel to understand ADT notifications and ELT(DT) alerts, and to coordinate in accordance with the relevant procedures?"	3	11	5



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Thank You!