



SAFE SKIES.
SUSTAINABLE FUTURE.

ICAO Updates on SAR in EUR

—
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EUR Search and Rescue Task Force (EUR SAR TF)

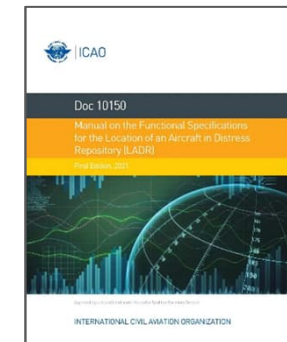
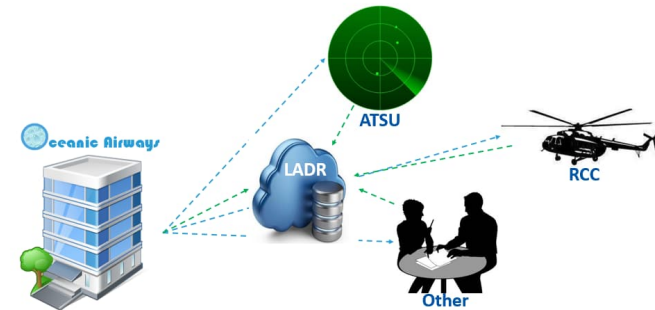
Work Programme

- **Survey on State ADT Readiness**
 - Survey initially launched July 2023
 - Reminder sent March 2024
 - 35 responses received
- **Measures to Enhance Coordination between SAR Points of Contact (SPOC) and COSPAS-SARSAT**
 - EASPG Conclusion 5/6
 - Follow-up sent (State Letter EUR/NAT 24-0142 refers)
- **Survey on SAR State's SAR system oversight capability**
 - Survey launched March 2024
 - 31 responses received
 - Results to be presented to EASPG/06
- **EUR SAR TF Workstream C**
 - Development of guidance material to enhance State SAR operations system regulatory framework in EUR
- **5th edition EUR SAR Plan, EUR Doc 039 (published Dec 2023)**



LADR Update

- ICAO SL 2024/66 – 25 June 2024
- **Location of an Aircraft in Distress Repository (LADR)** is now operational, for the storing and sharing of aircraft distress location data.
- Initial operational phase of LADR has been launched, with further developments expected.
- Users to be **authorized** through the **OPS Control Directory**
- Requests for focal points for **operators, ATS, RCC and States** to be sent to aircrafttracking@icao.int
- Authentication is provided using **ICAO's DNA platform** (<https://www4.icao.int/dna>), therefore all users must also request a DNA account.



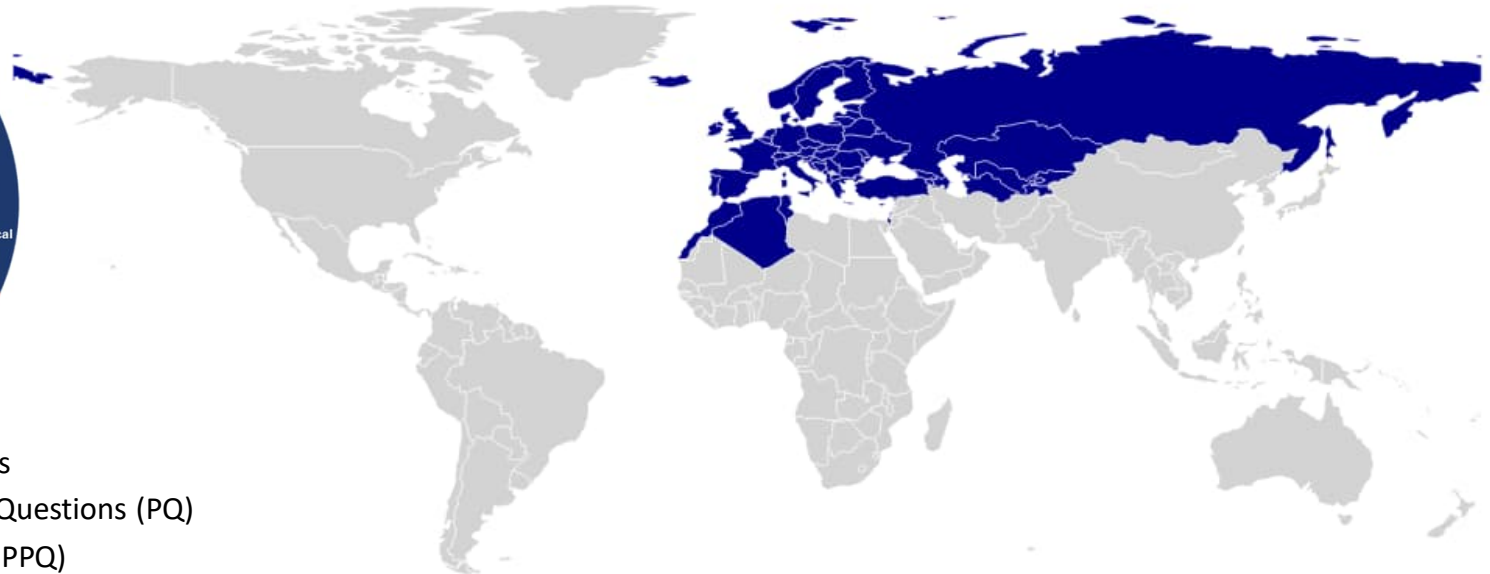
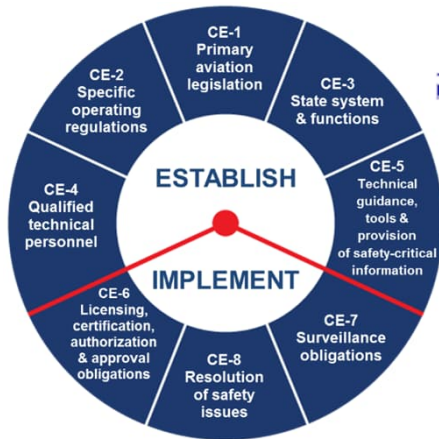
EUR SAR Oversight Capabilities

Implementation by EUR States

67%

EUR States Effective Implementation of SAR oversight

(56% Global SAR EI)



- USOAP CMA audit results
- 16 SAR related Protocol Questions (PQ)
- Including 2 Priority PQs (PPQ)

ICAO USOAP SAR Protocol Questions

Regulations	CE-2: Specific Operating	7.519	Does the State permit, subject to such conditions as may be prescribed by its own authorities, entry into its territory of SAR units of other States for the purpose of searching for the site of aircraft accidents and rescuing survivors of such accidents?
Functions & System	CE-3: State	7.487	Does the SAR inspectorate have sufficient human resources to carry out its functions?
		7.491	Has the State established for SAR inspectors: a) job descriptions; b) minimum qualifications; and c) experience requirements?
		7.521	Does the State authorize its rescue coordination centres (RCCs) to provide, when requested, assistance to other RCCs, including assistance in the form of aircraft, vessels, persons or equipment?
Personnel	CE-4: Qualified Technical	7.495	Has the State developed a formal training programme detailing the type of training to be provided to its SAR inspectors?
		7.499	Is the training programme appropriately implemented for SAR inspectors?
obligations, certification & approval	CE-6: Licensing,	7.481	Has the State arranged for the establishment and provision of SAR services within its territory and the areas where the State has accepted responsibility to provide SAR on a 24-hour basis in accordance with Annex 12 provisions?
		7.513	Has the State established an RCC or, as applicable, an RSC in each search and rescue region (SRR)?
		7.517	Does the State ensure that its SAR organization coordinates with those of neighbouring States?
		7.525	Does the State ensure that an H24 (continuing day and night service) designation of a SAR point of contact for the receipt of COSPAS-SARSAT distress data?

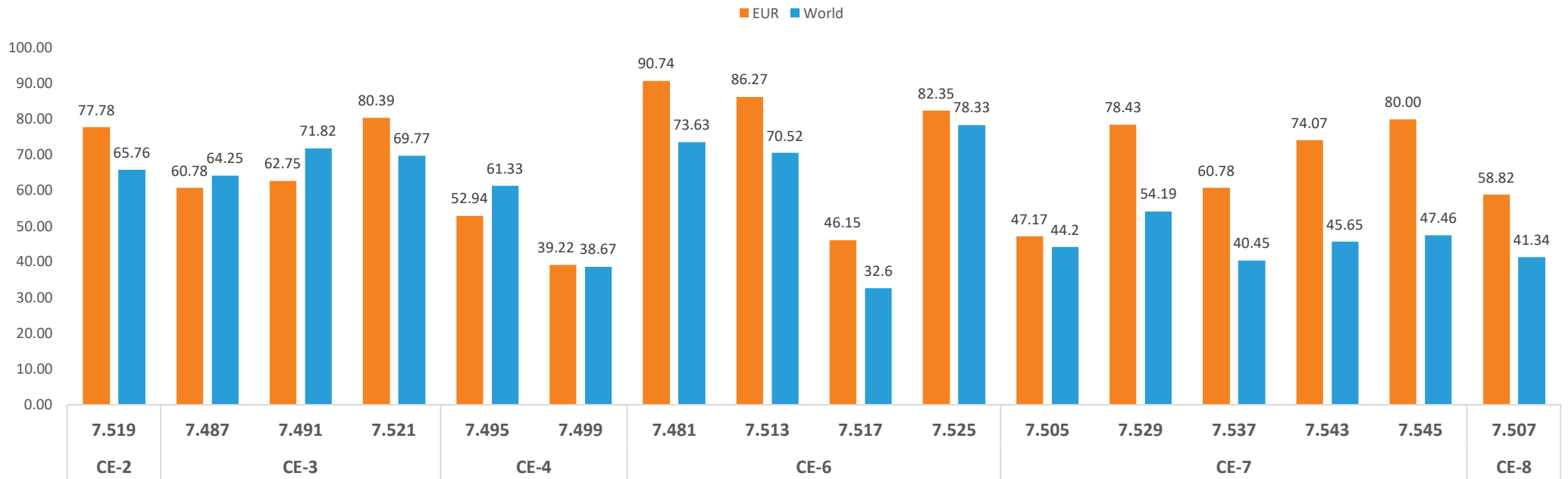
ICAO USOAP SAR Protocol Questions

CE-7: Surveillance Obligations	7.505	Has the State established and implemented a formal surveillance programme for the continuing supervision of the rescue coordination centre (RCC) and, as appropriate, rescue sub-centre (RSC)?
	7.529	Has the State ensured that each rescue coordination centre (RCC) and rescue sub-centre (RSC) employ sufficient workforce skilled in coordination and operational functions?
	7.537	Does the State ensure that the rescue coordination centre (RCC) and, as appropriate, rescue sub-centre (RSC), is staffed 24 hours a day by trained personnel proficient in the use of the English language?
	7.543	Does the State ensure that each rescue coordination centre (RCC) has prepared detailed plans of operation for the conduct of SAR operations?
	7.545	Does the State ensure that SAR personnel are regularly trained and that appropriate SAR exercises are arranged?
CE:8 Resolution of Safety Issues	7.507	Has the State established and implemented a mechanism/system with time frame for the elimination of deficiencies identified by SAR inspectors?

Effective Implementation (EI)

SAR PQs for EUR States

Effective Implementation (EI %) of SAR PQs for EUR States (September 2024)



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)



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 15th and 16th 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;

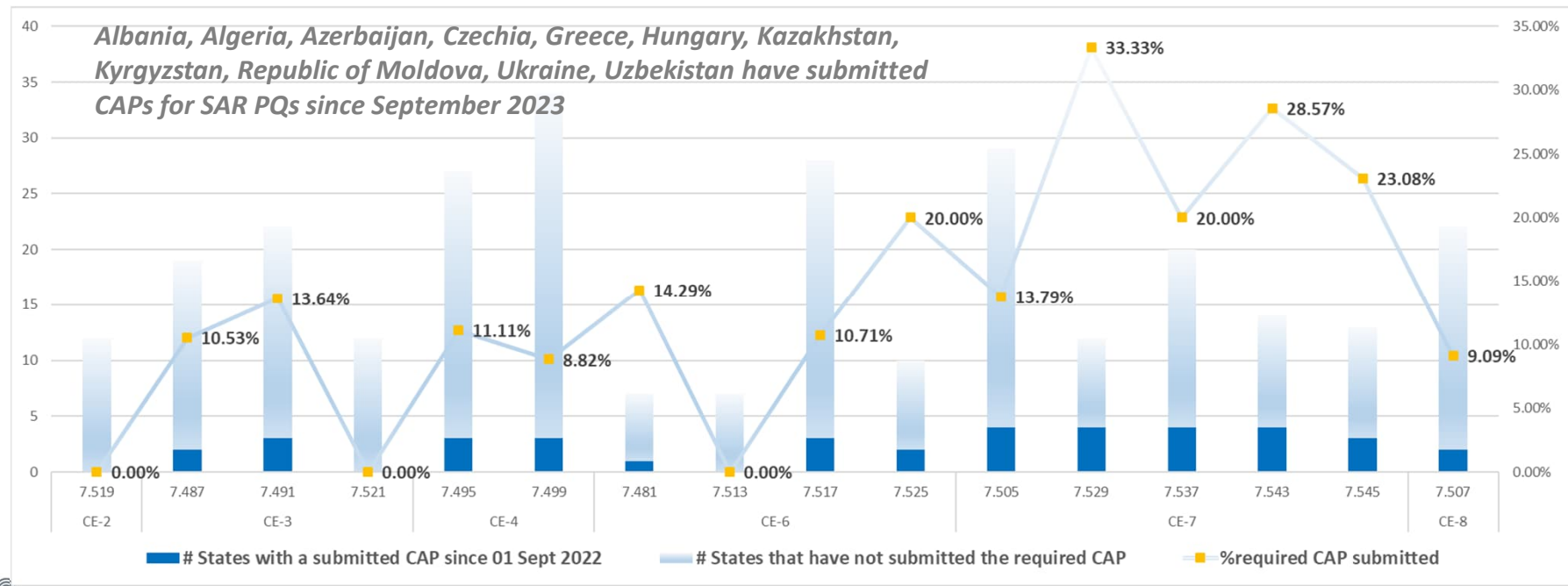
Agenda Item 5: Propose amendments to EUR SAR documents;

CAP Progress 09/2023 – 09/2024

EUR States SAR PQs

↑18% (13% Sep 2023)

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



Source: USOAP CMA OLF – September 2024

USOAP CMA Activities

Status for 2024

European and North Atlantic (EUR/NAT) Region			
Albania	ICVM	11 to 18 Dec 2024	
Algeria	Audit	16 to 28 Jan 2024	Postponed to 2025 ¹
Armenia	Audit	24 Jan to 5 Feb 2024	Completed
Hungary	Audit	6 to 18 Nov 2024	
Morocco	Off-site validation ²	TBD	
Türkiye	Audit	4 to 16 Sep 2024	

¹ Postponed at the request of the State.

USOAP CMA Activities

Planning status for 2024

European and North Atlantic (EUR/NAT) Region		
Algeria	Audit	11 to 23 Feb 2025
France	Audit	19 Nov to 2 Dec 2025
Greece	Audit	10 to 19 Dec 2025
Malta	Audit	15 to 27 Jan 2025
Netherlands	Audit	14 to 26 May 2025
European Union Aviation Safety Agency	Audit	12 to 19 Mar 2025

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

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

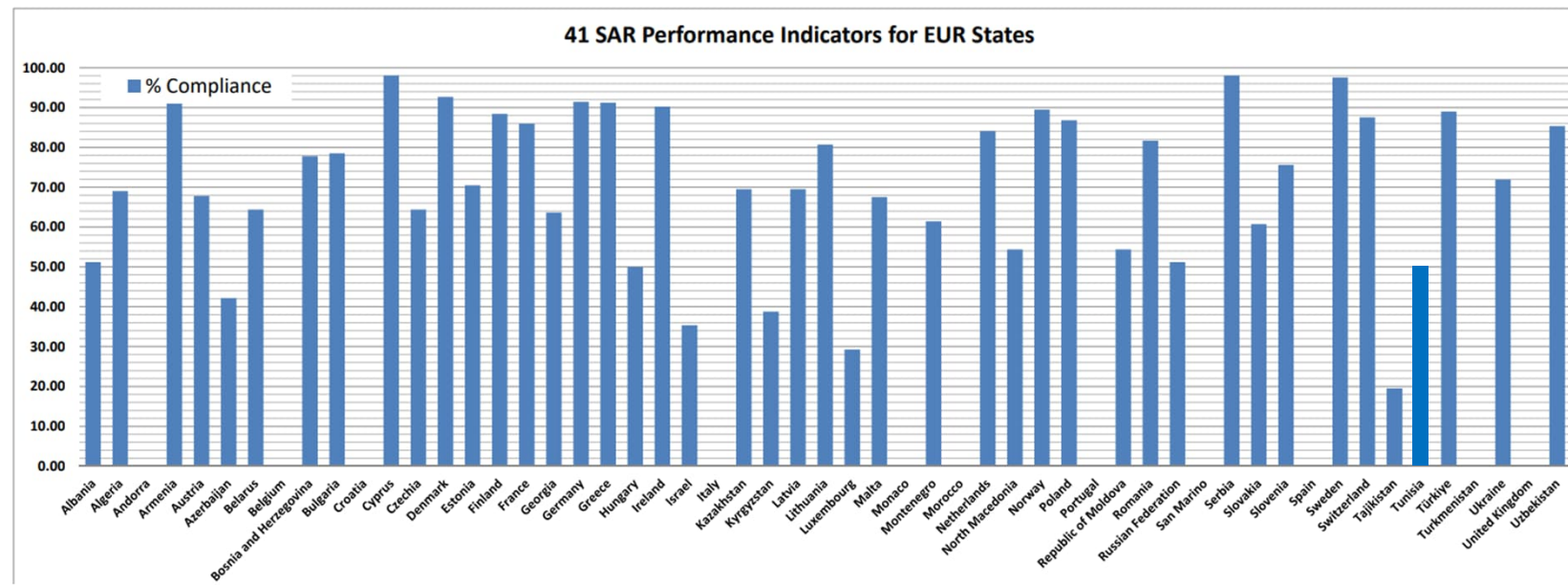
E = Fully meets ICAO Annex 12 requirements

Blank = No response

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		B	E	E	E	A	D	E	E	E	E
Uzbekistan																				

Implementation of the EUR SAR Plan

41 SAR Performance Indicators (September 2024)



Implementation of the EUR SAR Plan

41 SAR Performance Indicators (September 2024)

#	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%



Thank You!