NATIONAL AVIATION SAFETY PLAN 2022-2026 OF THE REPUBLIC OF ARMENIA State Safety Program Annex 1

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ABBREVIATIONS AND DEFINITIONS

ADDREVIATIONS AND	
ACI	Airports Council International
AC&ATM	Aerodromes Certification and Air Traffic Management
ADR	alternative dispute resolution
AGA	Aerodrome and Ground Aid
AIIA	Accident and Incident Investigation Authority
AIP	Aeronautical Information Publication
AMC	Acceptable means of compliance
ANS	Air Navigation Services
ANSP	ANS Provider
AOC	Air Operators Certificate
APEX	Airport Excellence
ARMATS	Armenian Air Traffic Services
ATM	Air Traffic Management
AVSEC	Aviation Security
AWD	Airworthiness Department
BARS	Basic Aviation Risk Standard
CAC	Civil Aviation Committee
CANSO	Civil Air Navigation Services Organisation
CAP	Corrective Action Plan
CAT	Commercial Air Transport
CEs	Critical Elements
CFIT	Controlled Flight Into Terrain
CICTT	CAST/ ICAO Common Taxonomy Team
CMA	Continuous monitoring approach
EASA	European Air Navigation Planning Group
EASA	European Aviation Safety Agency
EASP	European Aviation Safety Program
EC	European Commission
EI	Effective Implementation
EPAS	European Plan for Aviation Safety
EUROCONTROL	European Organization for Safety of Air Navigation
FOD	Flight Operations Department
FSF	Flight Safety Foundation
GASP	Global Aviation Safety Plan
GPWS	Ground Proximity Warning System
HR	Human Resource
HRCs	High Risk Categories
IATA	International Air Transport Association
IBAC	International Business Aviation Council
ICAO	International Civil Aviation Organization
IOSA	IATA Operational Safety Audit
IS-BAO	International Standard for Business Aircraft Operations
LOC-I	Loss of Control – In flight
MAC	Mid Air Collision
MORs	Mandatory Occurrence Reports
MSs	Member States
MTAI	Ministry of Territorial Administration and Infrastructure

NASP	National Aviation Safety Plan
OLF	Online Framework
PDCA	Plan Do Check Act
RA	Republic of Armenia
RAIO	Regional Accident and Incident Investigation Organization
RASG	Regional Aviation Safety Group
RASG-EUR	European Regional Aviation Safety Group
RASP	Regional Aviation Safety Plan
RE	Runway Excursion
RI	Runway Incursion
RSOO	Regional Safety Oversight Organization
RSP	Runway Safety Programme
RST	Runway Safety Team
SARPs	Standards and Recommended Practices
SEIs	Safety enhancement initiatives
SMS	Safety Management System
SOI	Safety Oversight Index
SPI	Safety Performance Indicator
SPO	Specialised operations
SPT	Safety Performance Target
SRM	Safety Risk Management
SSP	State Safety Program
SSP1	State Safety Plan
TAWS	Terrain Awareness Warning System
UAS	Unmanned Aircraft System
USOAP	Universal Safety Oversight Audit Programme
VORs	Voluntary Occurrence Reports

LIST OF REVISIONS

Nº	Revision №	Revision Date	Revised paragraph	Order number, month,
				date, year
1.				
2.				
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FOREWORD

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For Publisher:

Mihran Khachatryan, Acting CAC CHAIR

SECTION 1. INTRODUCTION

1.1 Overview of the NASP of the Republic of Armenia

Armenia is committed to enhancing aviation safety and to the resourcing of supporting activities at the national level (http://gdca.am/page/45). The purpose of the National aviation safety plan (NASP) is to continually reduce fatalities, and the risk of fatalities, through the development and implementation of a national aviation safety strategy. A safe aviation system contributes to the economic development of Armenia and its industries. The NASP promotes the effective implementation of Armenia's safety oversight system, a risk-based approach to managing safety, as well as a coordinated approach to collaboration between Armenia and other States, regions and industry.

NASP sets out activities and measures for the implementation of the State Safety Program (SSP) adopted by the Government of Republic of Armenia (RA). It describes the actions that Civil Aviation Committee (CAC) and aviation stakeholders are required to take as part of national risk management efforts, the parties responsible for the actions and the timeframes for their implementation in 2022–2026. All stakeholders are encouraged to support and implement the NASP as the strategy for the continuous improvement of aviation safety.

The primary objective of the NASP is to improve aviation safety standards in the Republic of Armenia and to ensure constant improvement and monitoring of safety. This document defines activities in relation to the identified national safety indicators.

The NASP is in alignment with the ICAO *Global Aviation Safety Plan* (GASP, Doc 10004) and the EUR Regional Aviation Safety Plan (RASP) 2020-2022.

Signature Mihran Khachatryan Acting Chair of Civil Aviation Committee of the Republic of Armenia

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1.2 THE GLOBAL AVIATION SAFETY PLAN (GASP)

GASP is a strategic document that enables States, regions and industry to adopt a flexible, step-by-step approach for safety planning and implementation. In accordance with ICAO Standards and Recommended Practices (SARPs), States must develop their safety oversight capabilities and implement an SSP. The GASP is a means for States to achieve compliance with ICAO safety-related SARPs and to go beyond the minimum level of compliance by proactively enhancing safety through the management of operational safety risks. The GASP assists States to identify deficiencies and prioritize actions so they can meet their safety responsibilities by providing an implementation strategy presented in the global aviation safety roadmap. The GASP further assists States in strengthening their capabilities in the management of safety through a structured process founded on the critical elements (CEs) of a State safety oversight system. A State's safety responsibilities comprise both safety oversight and safety management, collectively implemented through an SSP.

The GASP (ICAO Doc 10004) promotes the implementation of a State's safety oversight system, a risk-based approach to managing safety as well as a coordinated approach to collaboration between States, regions and industry.

The 2020-2022 edition of the GASP introduced a new set of goals, targets and indicators, in line with the United Nations' 2030 Agenda for Sustainable Development. The GASP included the global aviation safety roadmap, which was expanded to encompass organizational challenges and operational safety risks. The 2020-2022 edition of the GASP also introduced the concept of regional and national aviation safety plans, as well as the high-risk categories of occurrences (HRCs).

In addition to the GASP objectives, ICAO has identified high-risk accident categories (global priorities). These categories were initially determined based on an analysis of accident data, for scheduled commercial air transport (CAT) operations, covering the period 2006-2011. Feedback from the Regional Aviation Safety Groups (RASGs) indicates that these priorities still applied during the development of the 2017-2019 GASP edition.

Since 2017 the ICAO Regional Office for the EUR/NAT region and EASA have been working together to develop a Regional Aviation Safety Plan (RASP) based on European Plan for Aviation Safety (EPAS), thus allowing all States that are part of the EUR/NAT region to benefit from this approach. The aim of the RASP is to facilitate the achievement of the GASP goals at a regional level. The European Regional Aviation Safety Group (RASG-EUR) is the main body to monitor the EUR RASP implementation and to collect feedback from stakeholders with the assistance of ICAO and EASA.

In May 2018, the draft EUR RASP was endorsed at the combined meeting of the coordination groups of the European Air Navigation Planning Group (EANPG) and RASG – EUR region (RASG-EUR) of ICAO. The main purpose of the RASG-EUR is to develop an integrated, data-driven strategy to support the



implementation of the Global Aviation Safety Plan (GASP) and the associated Global Aviation Safety Roadmap in the region and to provide the ICAO Council with a monitoring tool.

1.3 EUROPEAN PLAN FOR AVIATION SAFETY (EPAS)

The European Plan for Aviation Safety (EPAS) is built on a proactive approach to support the future growth of aviation while securing a high and uniform level of safety for all Member States (MSs). This proactive approach allows the European Commission (EC), the European Aviation Safety Agency (EASA) and MSs to take the necessary actions at the right time in order to prioritize the risks

to be managed and to face the challenges posed by the increasing complexity and continued growth in civil aviation, as well as to ensure safe, secure and environmental friendly implementation of new business models and new technologies.

A European Plan for Aviation Safety (EPAS) contains key identified safety risks to aviation at the European level and strategic safety objectives and actions for achieving them, and addresses the global objectives defined in the Global Aviation Safety Plan (GASP) published by ICAO.

The EASA issues a four-year European Plan for Aviation Safety (EPAS) every year. The latest version of this document for 2022-2026 was published at https://www.easa.europa.eu/domains/safety-management/european-plan-aviation-safety

The strategic priorities of the EPAS are based on the Commission's Aviation Strategy and the EASA strategic plan (EPAS 2020–2024, Appendix D and EPAS 2022-2026 Volume I - Strategic Priorities). The EPAS is prepared as part of EASA's Safety Risk Management process (SRM). Within the framework of its SRM process, EASA coordinates the identification of key safety risks in European aviation and the development of the European Safety Risk Portfolio.

The revised EASA Basic Regulation entered into force on 11 September 2019. It contains the obligations of preparing a European Aviation Safety Program and Plan as well as national aviation safety program and plans. These obligations already apply to states under ICAO Annex 19.

The actions contained in the EPAS seek to influence systemic and operational safety in commercial air transport and general aviation. These actions concern manned aviation with airplanes and helicopters and unmanned aviation. They are also a means to prepare for changes in the aviation system, such as new technologies or operating models, threats caused by these changes, such as cyber threats, and the proactive and safe integration of these changes in the aviation system.

The European Plan for Aviation Safety is drawn up by EASA for a five-year period at a time, and it is updated annually. The actions defined in the plan are assigned to EASA, the European Commission, the Member States and various networks and teams that participate in EASA's SRM process as well as various working groups owning the actions.

1.4 EUR REGIONAL AVIATION SAFETY PLAN 2020-2022

The main objective of this European Regional Aviation Safety Plan (EUR RASP) is to create a common focus on regional aviation safety issues as a continuation of the European work to improve aviation safety and to comply with ICAO standards. This approach complements the existing system of developing safety regulations, complying with them and investigating accidents and serious incidents when they occur.

The EUR RASP tries to add a proactive element to the current system by closing the safety management cycle and connecting the safety issues at regional level with the action plans and initiatives launched to mitigate the underlying risks. The EUR RASP establishes the first layer of priorities which is further complemented at national level by national safety plans and programs. It builds a network for action, thus coordination and close collaboration are key to keeping it up to date and effective.

The first EUR RASP covers the five-year period between 2019 and 2023 and will be updated on a yearly basis, as required, to cover subsequent 5 year periods. It is a rolling 5-year plan.

1.5 Structure of the NASP of the Republic of Armenia

The NASP of the Republic of Armenia presents the strategy for enhancing aviation safety for a period of 5 years. It comprises six sections. In addition to the introduction, sections include: the purpose of the NASP, Armenia's strategic approach to managing aviation safety, the national operational safety risks identified for the 2022-2026 NASP, other safety issues addressed in the NASP, and a description of how the implementation of the safety enhancement initiatives (SEIs) listed in the NASP is going to be monitored.

1.6 Relationship between the NASP and the State safety programme (SSP) of the Republic of Armenia

The State Safety Program (SSP) of the Republic of Armenia describes the national aviation safety management system (http://www.gdca.am/page/45). It contains the state safety policy and a general high-level description of the legislative background, processes and safety work. By maintaining SSP, Armenia fulfils the obligations laid down in Article 7 of EASA's Regulation (EU) 2018/1139 on a national safety programme.

The NASP is appended to the State Safety Program as Annex 1. It describes key safety risks for Armenian aviation identified through global and national safety risk management, the specified strategic safety objectives and the actions to be taken to achieve them (see section 3 and Appendix). By maintaining NASP, Armenia fulfils the obligations laid down in Chapter 3 of ICAO Annex 19 and Article 8 of EASA's Regulation (EU) 2018/1139 on a national aviation safety plan.

The NASP addresses operational safety risks identified in the ICAO GASP and the EUR RASP. Armenia is committed to fully implement an SSP by 2026 as a State's responsibilities for the management of safety comprise both safety oversight and safety management, collectively implemented through an SSP. Initiatives listed in this NASP address organizational challenges and aim to enhance organizational capabilities related to effective safety oversight.

The SSP and its Annexes also comply with the ICAO requirement of establishing and maintaining a State Safety Program.

Through an SSP Armenia identifies and mitigates national operational safety risks. The SSP provides safety information to the NASP. The SSP allows Armenia to manage its aviation activities in a coherent and proactive manner, measure the safety performance of its civil aviation system, monitor the implementation of the NASP's Safety enhancement initiatives (SEIs) and address any identified hazards and deficiencies. The NASP is one of the key documents produced as part of Armenia's SSP documentation. It is the means by which Armenia defines and drives the implementation of SEIs generated by the SSP process and drawn from the ICAO GASP and the EUR RASP. It also allows Armenia to determine initiatives to strengthen the SSP or otherwise needed to achieve its safety objectives. Further information on Armenia's SSP can be found at http://www.gdca.am/page/45

1.7 Responsibility for the NASP development, implementation and monitoring

The Civil Aviation Committee of the Republic of Armenia is responsible for the development, implementation and monitoring of the NASP, in collaboration with the Ministry of Territorial Administration and Infrastructure (MTAI) of the Republic of Armenia and with the national aviation industry. The NASP was developed in consultation with national operators and other stakeholders, and in alignment with the fourth of the GASP and the EUR Regional Aviation Safety Plan 2020-2022.

1.8 National safety issues, goals and targets

The NASP of the Republic of Armenia addresses the following national safety issues:

Operational Safety Issues

- 1. Controlled Flight into Terrain (CFIT)
- 2. Loss of Control In Flight (LOC-I)
- 3. Mid Air Collision (MAC)
- 4. Runway Excursion (RE)
- 5. Runway Incursion (RI)

In addition to the national operational safety risks listed above, the following additional categories of operational safety risks have been identified:

- 6. Fire, smoke and fumes (Fire)
- 7. Bird strike (Bird)

The NASP of the Republic of Armenia addresses the following **deficient critical elements** Critical Elements (CEs)

- CE-1 Primary aviation legislation
- CE-5 Technical guidance, tools and provision of safety-critical information
- CE-8: Resolution of Safety Issues

The NASP of the Republic of Armenia addresses the following deficient critical areas:

AIG: Accident and Incident Investigation

AGA: Aerodrome and Ground Aids

To address the issues listed above and enhance aviation safety at the national level, NASP 2022-2026 contains the following goals and targets which are in alignment with GASP goals and targets

- Goal 1: achieve a continuous reduction of operational safety risks.
- Goal 2: calls for all States to strengthen their safety oversight capabilities.
- Goal 3: is also aimed at individual States and calls for the implementation of effective SSPs.
- Goal 4: calls for States to increase collaboration at the regional level to enhance safety.
- **Goal 5:** aims to expand the use of industry programmes.
- Goal 6: focuses on the need to ensure the appropriate infrastructure is available to support safe operations.

ORG related targets in yellow / OPS related targets in green							
Goal		Target					
Goal 1:	1.1						
Achieve a continuous reduction		maintain a decreasing trend of national accident rate					
of operational safety risks							
Goal 2: Strengthen	2.1	improve the score for the effective implementation (EI) of the					
Armenia's safety oversight		critical elements (CEs) of Armenia's safety oversight system					
capabilities		(with focus on priority PQs) as follows:					
		by 2022 – 75 per cent					
		by 2026 – 85 per cent					
		by 2030 – 95 per cent					
	2.2	by 2022, reach a safety oversight index greater than 1, in all					
		categories					

	2.3	endeavour to have no Significant Safety Concerns (SSCs)	
		under the USOAP Continuous Monitoring Approach (CMA),	
		and to resolve any findings promptly within the time frame	
		specified in the Corrective Action Plan and agreed to by	
G 12	2.1	ICAO from 2018 to 2023	
Goal 3:	3.1	by 2022, implement the foundation of an SSP	
Implement effective State safety programme (SSP)	3.2	by 2025, implement effective SSP, as appropriate to the aviation system complexity	
	3.3	by 2023 create a regulatory system which efficiently	
		contributes to the protection of the aviation system from	
		cyber-attacks and their consequences. To achieve this	
		objective it is proposed to introduce a regulation covering all	
		the aviation domains (design, production, maintenance,	
		operations, aircrew, ATM/ANS, ADRs), which include high-	
		level, performance-based requirements, supported as applicable by acceptable means of compliance (AMC),	
		guidance material and Industry Standards.	
Goal 4:	4.1	by 2020 seek assistance to strengthen safety oversight	
Increase collaboration at the		capabilities using	
regional level		a regional safety oversight mechanism	
8		• another State or other safety oversight	
		organization's ICAO recognized functions	
	4.2	by 2022 contribute information on safety risks, including	
		SSP Safety Performance Indicators (SPIs), to EUR RASG	
	4.3	by 2022 actively lead RASG safety risk management	
		activities with effective safety oversight capabilities and an	
		effective SSP	
		by 2022 actively participate in the regional mechanism for	
		data collection, analysis and sharing	
	4.5	encourage to increase the participation in flight data sharing	
		initiatives by air operators, with aircraft of mass 27,000kg	
Goal 5:	5.1	or above by 2025 all service providers to use globally harmonized	
Expand the use of industry	3.1	SPIs as part of their safety management system (SMS)	
programmes		taking into account operational needs	
programmes	5.2	by 2022, increase the number of service providers	
		participating in the corresponding ICAO-recognized industry	
		assessment programmes (Airports Council International	
		(ACI) Airport Excellence (APEX) in Safety programme, the	
		Civil Air Navigation Services Organisation (CANSO) and	
		European Organisation for the Safety of Air Navigation	
		(EUROCONTROL) maturity assessment within the Standard	
		of Excellence in Safety Management Systems, the Flight	
		Safety Foundation (FSF) Basic Aviation Risk Standard	
		(BARS), the International Air Transport Association (IATA)	
		Operational Safety Audit (IOSA), and the International	
		Business Aviation Council (IBAC) International Standard for Business Aircraft Operations (IS-	
		BAO))	
		D110	

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Goal 6: Ensure the appropriate	6.1	implement the air navigation and airport core infrastructure (GASP) by 2022
infrastructure is available to support safeoperations	6.2	achieve at least 75% EI in AGA of USOAP CMA by 2022
	6.3	achieve at least 75% EI in AIG of USOAP CMA by 2022
	6.4	certify all aerodromes that are used for international operations by 2022
	6.5	establish an independent Accident and Incident Investigation Authority (AIIA) as required by Annex 13, as well as related investigation system and procedures by 2022

1.9 Operational Context

There are 3 certified aerodromes in Armenia, including 2 international aerodromes and 1 domestic. The airspace of Armenia is classified into Class C controlled and G uncontrolled. There were 61751 movements in over the period 2018 of to 2020. There are currently 7 air operator certificates (AOCs) issued by Armenia, and of those there are 2 issued to operators conducting international commercial air transport operations. Armenia also has 1 helicopter operator.

SECTION 2. PURPOSE OF NATIONAL AVIATION SAFETY PLAN

The NASP is the master planning document containing the strategic direction of Armenia for the management of aviation safety for a period of 5 years (from 2022 to 2026). This plan lists national safety issues, sets national aviation safety goals and targets, and presents a series of safety enhancement initiatives (SEIs) to address identified safety deficiencies and achieve the national safety goals and targets.

The NASP has been developed using international safety goals, targets and high-risk categories (HRCs) from both **GASP** (www.icao.int/gasp), the EUR RASP the (https://www.icao.int/safety/GASP/Pages/REGIONAL-AVIATION-SAFETY-PLAN.aspx), Corrective action plan developed to be taken off the EU air safety list and the SSP gap analysis. These are highlighted in the text, where applicable. The SEIs listed in the NASP support the improvement of safety at the wider regional and international levels, include several actions to address specific operational safety risks, and recommended SEIs for individual States set out in the EUR RASP. Armenia has adopted these SEIs and has included them in this plan. Cross-references are provided to the EUR RASP for individual SEIs where relevant.

SECTION 3. ARMENIA'S STRATEGIC APPROACH TO MANAGING AVIATION SAFETY

The NASP presents the SEIs that were developed based on the **organizational challenges (ORG)** and **operational safety risks (OPS)**, as presented in the ICAO global aviation safety roadmap, as well **as State-specific issues identified** by the reporting system. This plan is developed and maintained by the Civil Aviation Committee of the Republic of Armenia, in coordination with all stakeholders and is reviewed every year and updated every year upon necessity.

The NASP includes the following **national safety goals and targets**, for the management of aviation safety, as well as a series of indicators to monitor the progress made towards their achievement. They are tied to the goals, targets and indicators listed in the GASP and the EUR RASP and include additional national safety goals, targets and indicators.

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ORG related targets in yellow / OPS related targets in green

C 1	T		Link to CACD and FUD		
Goal	Target		Indicators	Link to GASP and EUR RASP	
Goal 1: Achieve a continuous reduction of operational safety risks	1.1	Maintain a decreasing trend of national accident rate	 Number of accidents Number of accidents per million departures (accident rate) Number of fatal accidents Number of fatal accidents per million departures (fatal accident rate) Number of fatalities Number of fatalities per passengers carried (fatality rate) Percentage of occurrences related to high-risk categories (HRCs) 	This goal is directly linked to GASP Goal 1 Target 1.1 and EUR RASP Goal 1 Target 1.1	
Goal 2: Strengthen Armenia's safety oversight capabilities	2.1	improve the score for the effective implementation (EI) of the critical elements (CEs) of Armenia's safety oversight system (with focus on priority PQs) as follows: by 2022 – 75 per cent by 2026 – 85 per cent by 2030 – 95 per cent	 Overall global EI score Overall EI score per State Overall regional EI score Number of States that met the EI score as per the timelines Number of States that have fully implemented the priority PQs related to a safety oversight system Percentage of priority PQs implemented by a State Percentage of each priority PQs implemented globally Number of States timely updating the filing of differences Percentage of required corrective action plans (CAPs) submitted by States (using OLF) Percentage of completed CAPs per State (using OLF) 	This goal is directly linked to GASP Goal 2 Target 2.1 and EUR RASP Goal 2 Target 2.1	
	2.2	By 2022, reach a safety oversight index greater than 1, in all categories	 Number of States maintaining a safety oversight index greater than 1 in all categories Percentage of States maintaining a safety oversight index greater than 1 in all categories Percentage of each category with a safety oversight index greater than 1 globally Safety oversight index per State, per category 	This goal is directly linked to GASP Goal 2 Target 2.2 and EUR RASP Goal 2 Target T2.2	

		RA NATIONAL AVIATION SAFET	Y PLAN	
	2.3	endeavor to have no Significant Safety Concerns (SSCs) under the USOAP Continuous Monitoring Approach (CMA), and to resolve any findings promptly within the time frame specified in the Corrective Action Plan and agreed to by ICAO from 2018 to 2023	Time taken to resolve the findings of QMS of civil aviation safety regulation functions.	This goal is directly linked to GASP Goal 2 and EUR-RASP Goal 2
Goal 3: Implement effective State safety programme (SSP)	3.1	By 2022, implement the foundation of an SSP	 Number of States having implemented the foundation of an SSP Percentage of each subject area implemented globally Percentage of satisfactory SSP foundational PQs Percentage of required CAPs related to the SSP foundational PQs submitted by States (using OLF) Percentage of required CAPs related to the SSP foundational PQs completed per State (using OLF-Online Framework) 	This goal is directly linked to GASP Goal 3 Target 3.1 and EUR RASP Goal 3 Target T3.1
	3.2	By 2025, implement an effective SSP, as appropriate to the aviation system complexity	 Number of States having implemented an effective SSP Level of maturity achieved in Annex 19 PQs, per State Number of States that require applicable service providers under their authority to implement an SMS Number of States that have implemented a national aviation safety plan 	This goal is directly linked to GASP Goal 3 Target 3.1 and EUR RASP Goal 3 Target 3.2
	3.3	By 2023 create a regulatory system which efficiently contributes to the protection of the aviation system from cyber-attacks and their consequences. To achieve this objective it is proposed to introduce a regulation covering all the aviation domains (design, production, maintenance, operations, aircrew, ATM/ANS,	Legal framework regarding cyber-attacks	This goal is directly linked to GASP Goal 3 Target 3.1 and EUR RASP Goal 3 Target 3.2

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		ADRs), which include high-level, performance-based requirements, supported as applicable by acceptable means of compliance (AMC), guidance material and Industry Standards.		
Goal 4 Increase collaboration at the regional level	4.1	use a regional safety oversight mechanism, another State or other safety oversight organization's ICAO recognized functions in seeking assistance to strengthen safety oversight capabilities by 2023	 Number of States requiring assistance/support Number of States actively seeking assistance Number of States that received assistance Number of States offering assistance 	This goal is directly linked to GASP Goal 4 Target 4.1 and EUR RASP Goal 4 Target 4.1
	4.2	By 2022 contribute information on safety risks, including SSP Safety Performance Indicators (SPIs).	 Number of States contributing information on safety risks to RASGs Number of States that are sharing their SSP SPIs with RASGs Number of States forwarding information on safety matters to States, RASGs or other stakeholders 	This goal is directly linked to GASP Goal 4 Target 4.2 and EUR RASP Goal 4 Target 4.2
	4.3	By 2022 actively lead RASGs' safety risk management activities with effective safety oversight capabilities and an effective SSP	 Number of States with effective safety oversight capabilities and an effective SSP, leading RASGs' safety risk management activities Number of RASGs that have a regional aviation safety plan 	This goal is directly linked to GASP Goal 4 Target 4.3 and EUR RASP Goal 4 Target 4.3
	4.4	actively participate in the regional mechanism for data collection, analysis and sharing by 2022	Armenia's participation in Regional Mechanism for data collection, analysis and sharing.	This goal is directly linked to GASP Goal 4 and EUR RASP Goal 4

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	4.5	encourage to increase the participation in flight data sharing initiatives by Armenian air operators, with aircraft of mass 27,000kg or above	• Level of participation in flight data sharing initiatives of Armenian air operators, with aircraft of mass 27,000kg or above.	This goal is directly linked to GASP Goal 4 and EUR RASP Goal 4
Goal 5: Expand the use of industry programmes	5.1	By 2025, all service providers to use globally harmonized SPIs as part of their safety management system (SMS)	Number of service providers using globally harmonized metrics for their SPIs	This goal is directly linked to GASP Goal 5 Target 5.1 and EUR RASP Goal 5 Target 5.1
	5.2	By 2022, increase the number of service providers participating in corresponding ICAO-recognized industry assessment programmes	Number of service providers participating in the corresponding ICAO-recognized industry assessment programmes	This goal is directly linked to GASP Goal 5 Target 5.2 and EUR RASP Goal 5 Target 5.2
Goal 6: Ensure the appropriate infrastructure is	6.1	By 2022, all States to implement the air navigation and airport core infrastructure	Number of States having implemented the air navigation and airport core infrastructure elements	This goal is directly linked to GASP Goal 6 Target 6.1 and EUR RASP Goal 6 Target 6.1
available to support safeoperations	6.2	Achieve at least 75% EI in AGA of USOAP CMA by 2022	Armenia's s EI score in AGA	This goal is directly linked to GASP Goal 6 Target 6.1
	6.3	Achieve at least 75% EI in AIG of USOAP CMA by 2022	Armenia's EI score in AIG	This goal is directly linked to GASP Goal 6 Target 6.1
	6.4	Certify all aerodromes that are used for international operations by 2022	• Number/percentage of certified aerodromes that are used for international operations.	This goal is directly linked to GASP Goal 6
	6.5	Establish an independent Accident and Incident Investigation Authority (AIIA) as required by Annex 13, as well as related investigation system and procedures by 2022.	Establishment of an independent accident and incident investigation authority (AIIA) as required by Annex 13, as well as related investigation system and procedures.	This goal is directly linked to GASP Goal 6

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The SEIs in this plan are implemented through Armenia's existing safety oversight capabilities and the service providers' SMS. SEIs derived from the ICAO global aviation safety roadmap were identified to achieve the national safety goals and targets presented in the NASP. Some of the national SEIs are linked to overarching SEIs at the regional and international levels and help to enhance aviation safety globally. The full list of the SEIs is presented in the appendix to the NASP.

SECTION 4. NATIONAL OPERATIONAL SAFETY RISKS

Operational issues are more directly linked to the actions of an individual person, organisation or operational area or to environmental factors, including weather events. At the operational level, threats may directly cause a situation to develop into an occurrence, incident or accident.

Operational threats and safety factors are often identified by **analysing occurrence data from flight safety reports** and by carrying out risk assessments. Risk management measures seek to reduce the probability of events that result in occurrences, incidents and accidents and mitigate the severity of their consequences

The NASP includes SEIs that address **national operational safety risks**, derived from lessons learned from operational occurrences and from a data-driven approach. These SEIs may include actions such as: rule-making; policy development; targeted safety oversight activities; safety data analysis; and safety promotion.

The summary of accidents and serious incidents that occurred in the Republic of Armenia, and those for aircraft registered in Armenia involved in commercial air transport, is shown in the tables below.

Year	Fatal Accidents	Non-fatal accidents	Serious incidents					
Commercial air transport occurrences in Armenia								
From 2016-2021	-	-	2					
Year	Fatal Accidents	Non-fatal accidents	Serious incidents					
Occurrences involving commercial air transport aircraft registered in Armenia								
From 2016-2021	-	2	2					

The following 7 national **high-risk categories of occurrences (HRCs)** in the Armenian context were considered of the utmost priority because of the number of the risk of potential fatalities associated with such events. They were identified based on analyses from mandatory and voluntary reporting systems, accident and incident investigation reports, safety oversight activities over the past years, the SSP, as well as on the basis of regional analysis conducted by EUR RASG and on the operational safety risks described in the GASP. These HRCs are in line with those listed in the 2020-2022 of the GASP, as well as the 2020 to 2022 edition of EUR RASP:

- 1) Controlled Flight Into Terrain (CFIT)
- 2) Loss of Control In flight (LOC-I)
- 3) Mid Air Collision (MAC)
- 4) Runway Excursion (RE)
- 5) Runway Incursion (RI)

In addition to the national operational safety risks listed above, the following **additional categories of operational safety risks** have been identified through data-driven approach:

- 6) Fire/smoke/fume (Fire)
- 7) Bird strike (BIRD)

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The aviation occurrence categories from the CAST/ICAO Common Taxonomy Team (CICTT) were used to assess risk categories in the process of determining national operational safety risks. The CICTT Taxonomy is found on the ICAO website at https://www.icao.int/safety/airnavigation/AIG/Pages/Taxonomy.aspx

To address the national operational safety risks listed above, CAC identified the following contributing factors leading to HRCs and will implement a series of SEIs, some of which are derived from the ICAO OPS roadmap, contained in the GASP:

HRC 1: Controlled Flight Into Terrain (CFIT)

- 1) procedure design and documentation
- 2) pilot disorientation
- 3) adverse weather conditions



Action:

Controlled flight into terrain (CFIT) threat has been included in RA SSP (Annex 1) and its identified causal factors will be included in the RA State Safety Programme Safety Objectives and Safety Performance Indicators and Targets (SSP Annex 2). The stakeholders must address and process CFIT threats in their safety management and take action to reduce the risk.

CAC will monitor the number and risk level of CFIT events, define the required actions as part of the RA aviation safety risk management and evaluate how the stakeholders have addressed and processed CFIT threats.

To process CFIT threats as part of their safety management, operators must

- assess risks in their own operations
- define the acceptable level of safety and the necessary management and response levels
- define and implement the required actions
- monitor the effectiveness of their actions.

Objective of the action:

Reducing CFIT risks

Stakeholder responsible for implementation:

CAC: As regards RA aviation safety risk management and oversight (SSP article VIII) Aviation organizations (AOC, SPO, ATO, ANS): Addressing the CFIT threat in their operations

Timetable

Continuous

Deliverable

Controlled flight into terrain has been included in RA SSP Annex 1 and the related threat factors will be included in the SSP Annex 2 and addressed in the RA aviation safety risk management and the stakeholders' safety management.

Status

CAC is in partial implantation phase, and CAC ensures implementation by stakeholders as part of its oversight.

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HRC 2: Loss of control in-flight (LOC-I)

- 1) pilot-induced accidents
- 2) aeroplane systems-induced
- 3) environmentally induced



Action:

Loss of control in flight (LOC-I) threat has been included in RA SSP (Annex 1) and its identified causal factors will be included in the RA State Safety Programme Safety Objectives and Safety Performance Indicators and Targets (SSP Annex 2). The stakeholders must address and process LOC-I threats in their safety management and take action to reduce the risk. Examples of factors that may cause LOC-I threats include among other things bird strikes and incidents involving foreign object debris (FOD).

CAC monitors the number and risk level of LOC-I events, defines the required actions as part of the RA aviation safety risk management and evaluates how stakeholders have addressed and processed LOC-I threats.

To process LOC-I threats as part of their safety management, operators must

- assess risks in their own operations
- define the acceptable level of safety and the necessary management and response levels
- define and implement the required actions
- monitor the effectiveness of their actions.

Objective of the action:

Reducing LOC-I risks

Stakeholder responsible for implementation:

CAC: As regards RA aviation safety risk management and oversight (SSP VIII)

Aviation organizations (AOC, SPO, ATO, ANS, ADR): Processing the LOC-I threat in their operations

Timetable

Continuous

Deliverable

LOC-I has been included in RA SSP Annex 1 and the related threat factors will be included the RA State Safety Programme Safety Objectives and Safety Performance Indicators and Targets (SSP Annex 2) and addressed in the RA aviation safety risk management and the stakeholders' safety management.

Status

CAC is in partial implantation phase, and CAC ensures implementation by stakeholders as part of its oversight

HRC 3: Mid Air Collision (MAC)

- 1) traffic conditions
- 2) air traffic controller workload
- 3) aircraft equipment
- 4) flight crew training



Action:

Mid-air collisions (MAC) threat has been included in RA SSP (Annex 1) and its identified causal factors will be included in the RA State Safety Programme Safety Objectives and Safety Performance Indicators and Targets (SSP Annex 2). The stakeholders must process MAC threats in their safety management and take action to reduce the risk.

CAC monitors the number and risk level of MAC events, defines the required actions as part of the RA aviation safety risk management and evaluates how the stakeholders have addressed and processed the MAC threats.

To process MAC threats as part of their safety management, operators must

- assess risks in their own operations
- define the acceptable level of safety and the necessary management and response levels
- define and implement the required actions
- monitor the effectiveness of their actions.

Objective of the action:

Reducing MAC risks

Stakeholder responsible for implementation:

CAC: As regards RA aviation safety risk management and oversight

Aviation organizations (AOC, SPO, ATO, ANS, RPAS): Addressing the MAC threat in their operations

Timetable

Continuous

Deliverable

Mid-air collisions and their causal factors will be included in the SSP Annex 2 and addressed in the RA aviation safety risk management and the stakeholders' safety management.

Status

CAC is in partial implantation phase, and CAC ensures implementation by stakeholders as part of its oversight

HRC 4: Runway Excursion (RE)

- 1) unstabilized approaches
- 2) the condition of the runway



Action:

Runway excursion (RE) threats and their identified causal factors, such as runway conditions (RWY CON), will be included in the RA Safety Objectives and Safety Performance Indicators and Targets (SSP Annex 2). The stakeholders must address and process RE threats in their safety management and take action to reduce the risk.

CAC monitors the number and risk level of RE events, defines the required actions as part of the NM aviation safety risk management and evaluates how the stakeholders have addressed and processed RE threats.

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To process RE threats as part of their safety management, operators must

- assess risks in their own operations
- define the acceptable level of safety and the necessary management and response levels
- define and implement the required actions
- monitor the effectiveness of their actions.

Objective of the action:

Reducing RE risks

Stakeholder responsible for implementation:

CAC: As regards RA aviation safety risk management and oversight

Aviation organizations (AOC, SPO, ATO, ANS, ADR): Addressing the RE threat in their operations

Timetable

Continuous

Deliverable

Runway excursions and their causal factors are included in the SSP Annex 2 and addressed in the RA aviation safety risk management and the stakeholders' safety management

Status

CAC is in partial implantation phase, and CAC ensures implementation by stakeholders as part of its oversight

HRC 5: Runway Incursion (RI)

- 1) pilot and air traffic controller workload;
- 2) use of non-standard phraseology

Action:

Runway incursion (RI) threats and their identified causal factors will be included in the RA Safety Objectives and Safety Performance Indicators and Targets (SSP Annex 2). The stakeholders must address and process RI threats in their safety management and take action to reduce the risk.

CAC monitors the number and risk level of RI events, defines the required actions as part of the RA aviation safety risk management and evaluates how the stakeholders have addressed and processed RI threats.

To process RI threats as part of their safety management, operators must

- assess risks in their own operations
- define the acceptable level of safety and the necessary management and response levels
- define and implement the required actions
- monitor the effectiveness of their actions.

Objective of the action:

Reducing RI risks

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Stakeholder responsible for implementation:

CAC: As regards RA aviation safety risk management and oversight

Aviation organizations (AOC, SPO, ATO, ANS, ADR): Addressing the RI threat in their operations

Timetable

Continuous

Deliverable

Runway incursions and their causal factors will be included in the SSP Annex 2 and addressed in the RA aviation safety risk management and the stakeholders' safety management.

HRC6: Fire, smoke and fumes

Action:

Threats of fire as well as observations of smoke and other fumes an discussion of smoke and other fumes and discussion of smoke and Safety Performance Indicators and Targets (SSP Annex 2). The stakeholders must address these threats in their safety management and take action to reduce the risk.

CAC monitors the number and risk level of fires and observations of smoke and other fumes, defines the required actions as part of the RA aviation safety risk management and evaluates how the stakeholders have addressed and processed these threats.

To process the threats associated with fire, smoke and fumes as part of their safety management, operators must assess risks in their own operations define the acceptable level of safety and the necessary management and response levels define and implement the required actions monitor the effectiveness of their actions.

Objective of the action:

Reducing the risks of fire, smoke and fumes

Stakeholder responsible for implementation:

CAC: As regards RA aviation safety risk management and oversight

Aviation organizations (AOC, AIR): Addressing threats related to fire, smoke and fumes in their operations

Timetable

Continuous

Deliverable

Threats of fires, smoke and fumes and their causal factors will be included in the SSP Annex 2 and addressed in the RA aviation safety risk management and the stakeholders' safety management.

Status

CAC is in partial implantation phase, and CAC ensures implementation by stakeholders as part of its oversight



HRC 7: Bird strikes (Bird)

- 1) Habitat features, open areas of grass and water as well as shrubs and trees, for birds
- 2) Flight paths

A bird strike is a collision between an airborne animal and an aircraft. Bird strikes pose a serious threat to aircraft safety, and have caused a number of fatal accidents.

Bird strikes on aircraft are a common occurrence and can be a significant threat to aircraft safety. For smaller aircraft, significant damage can be done to the structure of the aircraft as well as to the entire aircraft, especially jet aircraft. They are quite sensitive to the loss of thrust, which can occur when birds are blown into the engine air intake, which has caused a series of fatal accidents in the past.

Bird strikes can occur during any phase of flight, but this is most common during the take-off phase, initial climb, approach and landing phase, due to the increased number of birds at lower altitudes. Since most birds fly mostly during the day, so do most bird crashes and accidents occur during daylight flights

Opportunities for mitigating the risk of bird strikes are greatest at airports, because it is the place where a large number of bird strikes occur, and because this is the most easily controlled and managed danger.

The full list of the SEIs is presented in the appendix A to the NASP.

SECTION 5. OTHER SAFETY ISSUES (ORGANIZATIONAL CHALLENGES)

In addition to the national operational safety risks listed in the NASP, CAC has identified **other safety issues (organizational challenges)** and initiatives selected for the NASP. These are given priority in the NASP since they are aimed at enhancing and strengthening CAC's safety oversight capabilities and the management of aviation safety at the national level.

Organizational challenges are **systemic issues** which take into consideration the impact of organizational culture, policies and procedures on the effectiveness of safety risk controls. Civil aviation organizations in Armenia (CAC, service providers, operators of aeroplanes, ATS providers and operators of aerodromes) should identify hazards in systemic issues and mitigate the associated risks to manage safety. Armenia's responsibilities for the management of safety comprise both safety oversight and safety management, collectively implemented through an SSP.

Systemic issues do not necessarily have a direct, short-term link with individual occurrences, incidents or accidents. Systemic threats are background factors, either easily identifiable or latent. For example, they may be associated with shortcomings in processes, methods or operating cultures. If systemic threats are not identified and if the risks caused by them are not managed, they may trigger or contribute to an occurrence, incident or accident.

The global safety management chain (GASP-EASP/EPAS-SSP/SSPL-SMS) was created to systematically develop the safety of the entire aviation system and its elements. Key system-level elements are the state safety program (SSPs, including the SSP in RA) and the organizations' safety management systems (SMS).

The eight critical elements (CEs) of a safety oversight system are defined by ICAO. CAC is committed to the effective implementation of these eight CEs, as part of its overall safety oversight responsibilities, which emphasize Armenia's commitment to safety in respect of its aviation activities. The eight CEs are presented in Figure 1 below.

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Figure 1

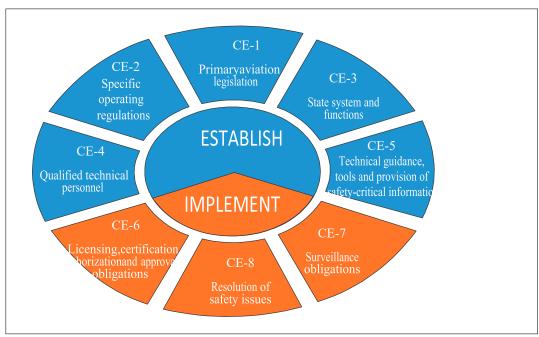


Figure 1. Critical elements of a State's safety oversight system

The latest ICAO activities (USOAP Off-site vailidation activity 2020), which aim to measure the effective implementation of the eight CEs of Armenia's safety oversight system, as part of the ICAO Universal Safety Oversight Audit Programme (USOAP), have resulted in the following scores:

Overall EI score 83.6%										
EI score by CE										
CE-1	CE-2	CE-3	CE-4	CE-5	CE-6	CE-7	CE-8			
75%	86.05%	93.1%	93.02%	76.15%	86.03%	82.11%	73.17%			
EI score by audit area										

Eight audit areas pertaining to USOAP, i.e. primary aviation legislation and civil aviation regulations (LEG), civil aviation organization (ORG); personnel licensing and training (PEL); aircraft operations (OPS); airworthiness of aircraft (AIR); aircraft accident and incident investigation (AIG); air navigation services (ANS); and aerodromes and ground aids (AGA).

LEG	ORG	PEL	OPS	AIR	AIG	ANS	AGA
95.45%	100%	96.47%	93.86%	84%	65.82%	83.33%	72.73%

The safety oversight index (SOI) of a State is an ICAO indicator of its safety oversight capabilities. Every State audited by ICAO has an SOI. It is a number greater than zero, where "1" represents a level at which the safety oversight capabilities of a State would indicate the minimum expected capabilities considering the number of departures as an indication of the size of that State's aviation system. The calculations conducted by ICAO of Armenia's SOI have resulted in the following scores as of 16.05.2022.

Overall SOI	Score in the area of	Score in the area of Air	Score in the area of
score	Operations	Navigation	Support Functions
1.84	1.78	1.89	1.86

The following 3 safety issues in the Armenian context were considered of the utmost priority because they are systemic issues, which impact the effectiveness of safety risk controls. They were identified based on analysis from USOAP data, accident and incident investigation reports, safety oversight activities over the past years, the SSP, as well as on the basis of regional analysis conducted by EUR RASG. These issues are typically organizational in nature and relate to challenges associated with the conduct of States' safety oversight functions, implementation of SSP at the national level and the level of SMS implementation by national service providers. They take into consideration organizational culture, policies and procedures within CAC, MTAI and those of service providers. These safety issues are in line with those listed in the 2020-2022 Edition of the GASP, as well as the EUR RASP:

Critical Elements with the lowest EIs after the Off-site Validation Activity (October 2020)

- a) CE-8, Resolution of safety issues. This was the CE where Armenia received the lowest EI (73.17 %) score based on previous USOAP Off-site validation activity. Therefore, this CE was placed as a high priority issue to resolve.
- **b)** CE-1, Primary aviation legislation. This was the CE where Armenia received the lowest EI (75%) score based on previous USOAP Off-site validation activity. Therefore, this CE was placed as a high priority issue to resolve.
- c) CE-5, Technical guidance, tools and provision of safety-critical information. This was the CE where Armenia received one of the lowest EIs (76.15%) score based on previous USOAP Off-site validation activity. Therefore, this CE was placed as a high priority issue to resolve.

Areas with the lowest EIs after the Off-site Validation Activity (October 2020)

AIG: Accident and Incident Investigation. This was the Area where Armenia received the lowest EI (65.82%) score based on previous USOAP Off-site validation activity and was therefore placed as a high priority issue to resolve.

AGA: Aerodrome and Ground Aids (Regional deficient Area). This was the Area where Armenia received low EI (72.73%) score based on previous USOAP Off-site validation activity and was therefore placed as a high priority issue to resolve.

Global COVID-19 pandemic

Background:

2020 and 2021 were exceptional years due to the COVID-19 pandemic. The COVID-19 pandemic gave rise to unprecedented disruption to air operations. In April 2021 EASA published a revised COVID-19 Safety Risk Portfolio and it continues to support industry through the Return to Normal Operations (RNO) project. During the pandemic Armenia followed the developments and the guidance material provided by ICAO and EASA. Armenia has implemented a series of short and long term strategies and initiatives in response to COVID-19, to support airline industry through the sustained impact of the pandemic.

Action:

Support the implementation of a resilient management system, manage a dedicated safety promotion campaign in support of safe ramp-up / return to operations, making use of the safety promotion campaigns and deliverables provided by EASA.

Objective of the action:

Safe return to operations-Ramp up safely Safety Promoting to support ramp-up

Stakeholder responsible for implementation:

CAC and aviation organizations

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Timetable

2020-2022

Deliverable

Armenia followed the developments and the guidance material provided by ICAO and EASA.

CAC developed the "Action Plan for Civil Aviation Activities of the Republic of Armenia" in accordance with the International Civil Aviation Organization recovery guidance document 'Take-off: Guidance for Air Travel through the COVID-19 Public Health Crisis (Order 199-A 03.09.2020)

CAC developed Order 198-A on approving the guidelines for the implementation of aviation security measures at the Armenia's airports in the conditions of the Covid-19 epidemic (03.09.2020)

Participation in the deployment of the Implementation Package (iPack) "Establishing a Public Health Corridor"

Status

Actions were completed in 2020, 2021 and in progress in 2022.

Impact of security on safety in conflict zones

The safety actions in this area are aimed at mitigating the security-related safety risks. The safety actions in this area also include the mitigation of the risks posed by flying over zones where an armed conflict exists. Managing the impact of security on safety is a strategic priority.

Since the tragic downing of Malaysian Airlines flight MH17 and recently of Ukraine International Airlines flight 752, there is a strong consensus that States shall share their information about possible risks and threats in conflict zones. Numerous initiatives have been taken to inform the air operator certificate holders about risks on their international flights.

Cybersecurity

Background:

There is a shared understanding and growing concern within the military community that security and especially cybersecurity may introduce considerable risk for aviation, as systems on board aircraft and the European ATM System rely on increased connectivity. Moreover, effectively mitigating cyber-related risks is key to enabling unmanned aircraft systems (UAS) (or drones) integration into non-segregated airspace. The management of cyber risks, or the management of operational information security risks to be more precise, will become increasingly central in flight safety activities. To this end, the management of information security must become a more integral part of the operational activities carried out by the authority and organizations in the aviation system.

Action:

Cybersecurity was included in RA State Security Program. Stakeholders must be prepared to identify cybersecurity threats and to manage the related risks.

Objective of the action:

Efficiently identify cybersecurity threats and managing the risks caused by them Stakeholder responsible for implementation:

CAC and aviation organizations

Timetable

2021-2023:

CAC: Maintaining the SSP, State Security Program and risk picture in terms of cybersecurity Continuous:

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Stakeholders: Identifying cybersecurity threats and managing the risks caused by them 2021:

CAC: Preparing a national strategy for cybersecurity in line with the European strategy for cybersecurity in aviation and Armenia's national Cyber Security Strategy

Deliverable

Cybersecurity was included in the RA State Security Program.

Status

Actions were completed in 2020.

To address the issues listed above, Armenia will implement a series of SEIs, some of which are derived from the ICAO ORG roadmap, contained in the GASP. The full list of the SEIs is presented in the appendix B to the NASP.

Safety of unmanned Aircraft Systems (UAS)

No EPAS reference: EPAS has no actions directly assigned to the Member States. The actions listed below were defined on the basis of globally identified needs for actions.

Airborne collision with an unmanned aircraft system (UAS) is a safety issue worldwide. It is exacerbated by the fact that UAS are often not detected by ground equipment and/or on-board conspicuity devices of other aircraft. As a result, aerodrome traffic may be stopped or diverted, leading to secondary risks, such as fuel shortages, airspace capacity saturation and an increased workload of air traffic controllers and pilots. The evolution of UAS calls for a well-planned integration in the airspace and the aviation system. The objective is to establish the conditions of the safe operation of both recreational and professional use of drones.

Objective of the action:

Safe integration of drones in the airspace while maintaining a high and uniform level of safety.

Actions:

Following EASA Counter Drone (C-UAS)82 Action Plan and EPAS, Armenia has set the following actions:

- Introduction of a regulatory framework for the operation of drones
 - o implement an innovative new set of rules for the three categories of U-space ('Open' category: low-risk operation not requiring authorisation or declaration before flight, 'Specific' category: medium-risk operation requiring authorisation or declaration before flight, 'Certified' category: high-risk operation requiring certification process)
- Development of safety promotion material to create public awareness and understanding of the existence and purpose of geographical zones
 - o promote dissemination of information on illegal UAS usage and set incentives for the informers
 - NO UAS SIGN placement in special zones
- Distinguish UAS usage risks based on potential accident causation and violation risks

Timetable

2021-2024

<u>Stakeholder responsible for implementation:</u> CAC and aviation organizations Deliverable

Foundation for General Aviation of Armenia was established (registered 28.03.2022)

Charter of Foundation for General Aviation of Armenia was developed

Foundation for General Aviation of Armenia is governed by ICAO, EASA, RA CAC standards

General aviation (including UAS) regulation in closed or restricted areas meeting held on 25.03.2022

Procedure for the implementation of training flights and special flights in the Republic of Armenia was updated on May 5, 2022.

Status

Actions in progress.

SECTION 6. MONITORING IMPLEMENTATION

Armenia will continuously monitor the implementation of the SEIs listed in the NASP and measure safety performance of the national civil aviation system, to ensure the intended results are achieved, using the mechanisms presented in the appendix to this plan.

In addition to the above, Armenia will review the NASP every year, if required, to keep the identified operational safety risks, safety issues and selected SEIs updated and relevant. CAC will periodically review the safety performance of the initiatives listed in the NASP to ensure the achievement of national safety goals and targets. If required, Armenia will seek the support of EUR RASG to ensure the timely implementation of SEIs to address safety deficiencies and mitigate risks. Through close monitoring of the SEIs, Armenia will make adjustments to the NASP and its initiatives, if needed, and update the NASP accordingly.

Armenia will use the indicators listed in Section 3 of this plan to measure safety performance of the civil aviation system and monitor each national safety target. A periodic (annual) safety report will be published to provide stakeholders with relevant up-to-date information on the progress made in achieving the national safety goals and targets, as well as the implementation status of the SEIs.

In the event that the national safety goals and targets are not met, the root causes will be presented. If Armenia identifies critical operational safety risks, reasonable measures will be taken to mitigate them as soon as practicable, possibly leading to an unscheduled revision of the NASP.

Armenia adopted a standardized approach to provide information at the regional level, for reporting to the RASGs. This allows the region to receive information and assess operational safety risks using common methodologies.

Any questions regarding the NASP and its initiatives, and further requests for information, may be addressed to the following:

Civil Aviation Committee of the Republic of Armenia Email: gdca@gdca.am

Telephone number: +374 10 28-07-22

Website: http://gdca.am/

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APPENDIX A

DETAILED SEIS: NATIONAL OPERATIONAL SAFETY RISKS

Issue No. 1: Operational Safety Risks

HRC1: Controlled Flight Into Terrain (CFIT)

Goal 1: Achieve a continuous reduction of operational safety risks

Target 1: Maintain a decreasing trend of the national accident rate

Target 1. Maintain	i a decreasing tiend of the national accide	iii iaic		T.	Т		
Safety enhancement initiative	Action	Timeline	Responsible entity	Stakeholders	Metrics/ Indicators	Priority	Monitoring Activity
GASP OPS SEI on	1. Implement the following CFIT						
CFIT (State)	safety actions:						
, ,	a. ensure aircraft are equipped with		AWD				
Mitigate	terrain awareness and warning	Implemented	1				
contributing	system (TAWS) or Ground	2004					
factors to the risk	Proximity Warning System (GPWS)						
of CFIT	in accordance with ICAO Annex 6						
	b. promote the wider use of TAWS	Implemented	FOD				Surveillance of operator, ANSP Activities, Safety
	beyond the requirements of Annex 6						
	c. issue a Safety Advisory to increase	-		CAC inspectors	Number of		
	adherence to TAWS warning	(11.02.2022)		Air Operators	CFIT Accident/	HIGH	
	procedures			ARMATS	incident per		
	d. promote the use of GPS-derived	_		7 HOWITTS	10,000 flight		reporting
	position data to feed TAWS	(11.02.2022)			movements	movements	(MOR/VOR)
	e. guidance for Operators on Training						(Mote voit)
	Programme on the use of GPWS and	(11.02.2022)					
	TAWS			_			
	1	Implemented					
	approach risks	(11.02.2022)		-			
	g. consider the implementation of	-	ARMATS				
	continuous descent final approaches	2013					
	(CDFA)						

RA NATIONAL AVIA			T	
h. implement minimum safe altitude warning (MSAW) systems	Implemented 2013	ARMATS		
i. ensure the timeliness of updates and accuracy of Electronic Terrain and Obstacle Data (eTOD)	Being updated annually	Airport AC&ATM		
2. validate the effectiveness of the safety enhancement initiatives (SEIs) through the analysis of mandatory occurrence reporting (MORs) and voluntary occurrence reporting systems (VORs) and accident/incident investigations (apply safety management methodologies)	2023	FOD, AWD, AC&ATM	CAC inspectors Air operators ARMATS	Number of CFIT occurrences reports via MOR and VOR systems per 10,000 flight movements
Identify additional contributing factors: a. Flight in adverse environmental conditions	Local instructions updated 2020	ARMATS/ AC&ATM FOD	ARMATS CAC inspectors Air Operators	
b. Approach design and documentation (e.g. approaches with vertical guidance (APV) or localizer performance with vertical guidance (LPV) approaches)	APV Implemented 2013	ARMATS AC&ATM	ARMATS CAC inspectors Air Operators	Number of
c. Phraseology used (standard vs. non- standard)	Implemented 2013 Updated 2021	AC&ATM ARMATS	ARMATS CAC inspectors Air Operators	CFIT occurrence per 10,000 flight movements
d. Pilot fatigue and disorientation	Implemented (11.02.2022)		ARMATS CAC inspectors Air Operators	
4. conduct continuous evaluations of the performance of the SEIs	Continuous 2025	FOD, AWD, AC&ATM	ARMATS CAC inspectors Air Operators	

HRC 2: Loss of Control – In flight (LOC-I)

Goal 1: Achieve a continuous reduction of operational safety risks Target 1: Maintain a decreasing trend of the national accident rate

Safety enhancement initiative	Action	Timeline	Responsible entity	Stakeholders	Metrics/ Indicators	Priority	Monitoring Activity
GASP OPS SEI on LOC-I (State) Mitigate contributing factors to the risk of LOC-I	safety actions: a. Require upset prevention and recovery training in all full flight simulator type conversion and recurrent training programmes b. Require more time devoted to training		FOD FOD	Air Operators, Flight simulator product and service providers, CAC inspectors	Number of LOC-I Accident/ incident per 10,000 flying hours	HIGH	Surveillance of operator and ATO training activities
accidents and incidents	2. validate the effectiveness of the SEIs in the industry through MORs and VORs systems and accident/incident investigations (apply safety management methodologies- PDCA)	2023	FOD, AWD, AC&ATM	CAC SMS	LOC-I occurrence rates in MOR, VOR and AIG reports	HIGH	MOR, VOR and AIG reports
	3. Identify additional contributing factors: a. Distraction b. Adverse weather c. Complacency d. Inadequate standard operating procedures (SOPs) for effective flight management e. Insufficient height above terrain for recovery f. Lack of awareness of or competence in procedures for recovery from unusual aircraft attitudes g. Inappropriate flight control inputs in response to a sudden awareness of		FOD ARMATS	Air Operators Flight simulator product and service providers CAA inspectors	Stick shaker activation events in Flight Data Analysis data LOC-I occurrence rates		Surveillance of operator and ATO training activities

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an abnormal bank angle			
4.conduct continuous evaluations of the	continuous FOD, AWD,	Number of	HIGH
performance of the SEIs	AC&ATM	LOC-I	
		occurrence per	
		10,000 flying	
		hours	

HRC 3: Mid Air Collision (MAC)

Goal 1: Achieve a continuous reduction of operational safety risks Target Target 1.1: Maintain a decreasing trend of the national accident rate

Safety enhancement initiative	Action	Timeline	Responsible entity	Stakeholders	Metrics/ Indicators	Priority	Monitoring Activity
GASP OPS SEI on MAC (State) Mitigate contributing factors to risk of MAC accidents and incidents	1. Implement the following MAC safety actions: a. Establish guidance and regulations to ensure aircraft are equipped with airborne collision avoidance system (ACAS), in accordance with Annex 6 b. Ensure adherence to ACAS warning procedures c. Promote the improvement of air traffic control (ATC) systems, procedures and tools to enhance conflict management d. Promote the improvement of communications systems and procedures, such as controller pilot datalink 2. Validate the effectiveness of the SEIs	Implemented 2004 Continuous Planned 2024	AWD	Air Operators ANS service provider CAC inspectors	Number of MAC Accident/ incident per 10,000 Flying hours		Surveillance of operator, ANSP activities Safety reporting (MOR/VOR)
	through the analysis of MORs and VORs and accident/incident investigations (apply safety management methodologies)		AC&ATM				
	3. Identify additional contributing factors:a. Traffic conditions - traffic density,	2023	ARMATS AC&ATM	Air Operators ANS service provider CAC inspectors	Number of MAC Accident/	HIGH	Surveillance of ANSP, air operator

complexity, mixture of aircraft types and			incident	and ATO
capabilities, etc.				training
capaonnies, etc.			per 10,000	activities
b. ATC performance related to	2023	ARMATS	flying	activities
workload, competence, teamwork,		AC&ATM	hours	
procedures, commitment, etc., as well as			nours	
the influence of air navigation services				
providers' (ANSP) safety management				
c. Flight crew training and corporate	2023	FOD		
culture with workload, competence,		102		
teamwork, procedures, commitment etc.,				
and the influence of aircraft operator's				
safety management				
d. ATC systems - flight data processing,	2023	ARMATS		
communication, short term conflict alert		AC&ATM		
(STCA), etc., as well as the interaction				
with the human operators and the aircraf	t			
systems, and the procurement policy of				
the ANSP				
e. Aircraft equipment - autopilots,	2023	AWD		
transponders and ACAS, but also aircraf	t			
performance (e.g. rate-of-climb) and				
their physical size				
f. Navigation infrastructure - both	2023	ARMATS		
coverage and quality		AC&ATM		
g. Surveillance - both coverage and	2023	ARMATS		
quality		AC&ATM		
h. Flight plan processing - efficiency and	2023	ARMATS		
reliability of flight plan submission,		AC&ATM		
approval and distribution				
i. Airspace - complexity of airspace	1	edARMATS		
design, route layout, extent of controlled	2003	AC&ATM		
or uncontrolled airspace, proximity of				
military operational or training areas,				
etc.				

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	11.1			
conditions that may influence conflict A	RMATS C&ATM OD			
2) Conduct continuous evaluations of the performance of the SEI A	OD, AWD, .C&ATM	Number of MAC occurrence per 10,000 flying hours	HIGH	Surveillance of ANSP, air operator and ATO training activities

HRC 4: Runway Excursion (RE)

Goal 1: Achieve a continuous reduction of operational safety risks

Target 1.1: Maintain a decreasing trend of the national accident rate

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Safety enhancement initiative	Action	Timeline	Responsible entity	Stakeholders	Metrics/ Indicators	Priority	Monitoring Activity
GASP OPS	1. Implement the following RE safety	Implemented					
SEI on RE	actions:	as of 2010					
(State)	a. Ensure the establishment and		AC&ATM				
	implementation of a State runway safety						
Mitigate	Programme (RSP) and runway safety						Surveillance of
contributing	teams (RST) in all certified aerodromes.						Aerodrome
factors to risk of	b. Promote the establishment of policy	2023					
RE accidents and	and training on rejected landings, go-		AC&ATM		Number		s, ANSP,
incidents	arounds, crosswind and tailwind		ARMATS	Air Operators	of RE		air operator and ATO
	landings (up to the maximum		FOD	ANS service provide	r Accident/		training
	manufacturer-demonstrated winds)			Aerodrome service	incident	HI(TH	activities
	c. Promote equipage of runway overrun	2023	AC&ATM providers per	per		activities	
	awareness and alerting systems on		FOD	CAA inspectors	10,000		Safety
	aircraft		rob		Flying hours		reporting
	d. Ensure effective and timely reporting	2022					(MOR/VO
	of meteorological and aerodrome						R)
	conditions (e.g. runway surface		AC&ATM				K)
	condition in accordance to the ICAO		ARMATS				
	global reporting format in Annex 14,						
	Volume I, braking action and revised						
	declared distances)						

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e. Certify aerodrome in accordance with	-	
ICAO Annex 14, Volume I as well as	2007	
Doc 9981, PANS-Aerodrome	Updated	AC&ATM
	2016	1100/11/11
	Will be	
	updated	
	2023	
f. Promote the installation of arresting	Not planned	
systems if runway end safety area	(RESA	AC&ATM
(RESA) requirements cannot be met.	requirements	
	are met)	
g. Ensure that procedures to	2023	
systematically reduce the rate of		FOD
unstabilized approaches to runways are		FOD
developed and used		
h. Runway Safety Maturity Checklist	Implemented	AC&ATM
	2007	
	Updated	
	2015	
i. Guidance material and training	Guidance	
program for runway pavement,	material	AC&ATM
maintenance and operations from	Implemented	
aerodrome operator's perspective	2016	
2. Validate the effectiveness of the SEI	2010	AC&ATM
through the analysis of MORs, VORs	2023	AC&ATM
and accident/incident investigations		FOD
(apply safety management		
methodologies).		AWD
, , , , , , , , , , , , , , , , , , ,		AVSEC
3. Identify additional contributing	2023	AC&ATM
factors:		ARMATS
a. Ineffective SOPs		FOD
b. Failure to adhere to the appropriate		
SOPs		
c. Long/floated/bounced/firm/off-		
centre/crabbed landing		

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d. Inadequate approach procedures		
design		
e. Inadequate regulatory oversight		
4. Develop and implement further SEIs 2023	AC&ATM	
to mitigate the risk of the identified	ARMATS	
contributing factors, if any, for RE	FOD	
	AWD	
	AVSEC	
5. Conduct continuous evaluations of the Continuous	AC&ATM	
performance of the SEI	ARMATS	
	FOD	
	AWD	
	AVSEC	

HRC 5: Runway Incursion (RI)
Goal 1: Achieve a continuous reduction of operational safety risks
Target 1.1: Maintain a decreasing trend of the national accident rate

Safety enhancement initiative	Action	Timeline	Responsible entity	Stakeholders	Metrics/ Indicators	Priority	Monitoring Activity
GASP OPS	1. Implement the following RI safety	Runway	AC&ATM				
SEI on RI	actions:	safety teams	3				
(State)	a. Ensure the establishment and	(RST)					
	implementation of a State runway safety	implemented	d l				
Mitigate	programme (RSP) and runway safety	2010					Surveillance of
contributing	teams (RST)						Aerodrome
factors to the	b. Promote the establishment of policy,	For vehicle	AC&ATM	Air Operators	Number of RI		s, ANSP,
risk of RI	procedures and training that supports	drivers	ARMATS	ANS service provider	Accident/		air operator
accidents and	situational awareness for controllers,	implemented	dFOD	Aerodrome service	incident	HIGH	and ATO
incidents	pilots and airside vehicle drivers	2003		providers	per 10,000		training
				CAC inspectors	flying hours		activities
	c. Ensure effective use of suitable	2023	AC&ATM				Safety reporting
	technologies to assist the improvement		ARMATS				(MOR/VOR)
	of situational awareness, such as						
	improved resolution airport moving						
	maps (AMM), electronic flight bags						
	(EFBs), enhanced vision systems (EVS)						

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and head-up displays (HUD), advanced-		
surface movement guidance and control		
systems (ASMGCS), stop bars, and		
runway incursion warning systems		
(ARIWS).		
d. Certify aerodrome in accordance with	Implemented	
ICAO Annex 14, Volume I as well as		AC&ATM
Doc 9981, PANS-Aerodrome	_00,	
Doc 7701, 1 MND-Meloulollic	Updated	
	2016	
	Will be	
	updated	
	2023	
e. Ensure the use of standard	Implemented	AC&ATM
phraseologies in accordance with		ARMATS
applicable State regulations and ICAO		FOD
provisions (e.g. Doc 9432, Manual		
of Radiotelephony)		
f. Ensure the identification and	N/A	AC&ATM
publication in the aeronautical	18/73	ARMATS
μ.		AKWAIS
information publication (AIP) of		
hot spots at aerodromes	N1/A	A CLO A TIME
g. Ensure that suitable strategies to	N/A	AC&ATM
remove hazards or mitigate risks		ARMATS
associated with identified hot spots are		
developed and executed		
h. Runway Safety Maturity Checklist	Implemented	
		ARMATS
i. Model Advisory Circular — Runway	2023	AC&ATM
Incursion (RI) Prevention and Pilot		FOD
Training		
2. Validate the effectiveness of the SEIs	2023	AC&ATM
through the analysis of MORs, VORs	2020	FOD
and accident/incident investigations		
(apply safety management		
methodologies)		
memodologies)		

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3. Identify additional contributing	ImplementedARMATS		
factors:	AC&ATM		
a. Operations in low visibility conditions	FOD		
b. Complex or inadequate aerodrome			
design			
c. Complexity of traffic (multiple			
simultaneous line-ups)			
d. Conditional clearances			
e. Simultaneous use of intersecting			
runways			
f. Late issue of or late changes to			
departure clearances			
g. Phraseology use (e.g. non-standard vs.			
standard, call-sign confusion)			
h. Concurrent use of more than one			
language for ATC communications			
i. English language competence despite			
the introduction by ICAO of a system of			
validating competence in aviation			
English			
j. Inadequate manoeuvring area driver			
training and assessment programme.			
4. Develop and implement further SEIs	2023 ARMATS		
to mitigate the risk of the identified	AC&ATM		
contributing factors, if any, for RI	FOD		
5. Conduct continuous evaluations of the	Continuous ARMATS		
performance of the SEIs	AC&ATM		
performance of the SEID	FOD		
 S			

HRC6: Fire/smoke/fume (Fire)

Goal 1: Achieve a continuous reduction of operational safety risks

Target 1.1: Maintain a decreasing trend of the national accident rate

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Safety enhancement initiative	Action	Timeline	Responsible entity	Stakeholders	Metrics/ Indicators	Priority	Monitoring Activity
NASP OPS SEI on Fire Mitigate	preventing them from unintentionally carrying non-allowed items while acknowledging the risks posed by	Implemented	AVSEC Zvartnots				
	lithium batteries 2. inform operators of the risks and best practices of transporting lithium batteries, and issue a recommendation in this regard	2023	AVSEC	CAC Airports	Number of Fire/Smoke/ Fume accident/ incident per	HIGH	Surveillance of Aerodromes, ANSP, air operator
	3 Validate the effectiveness of the SEI through the analysis of MORs, VORs and accident/incident investigations (apply safety management methodologies)	2023	AVSEC	Air operators	10,000 flying hours		activities Safety Reporting (MOR/VOR)
HDC7. Dind atuit	4 Conduct continuous evaluations of the performance of the SEIs	2023	AVSEC				

HRC7: Bird strike (Bird)
Goal 1: Achieve a continuous reduction of operational safety risks
Target 1.1: Maintain a decreasing trend of the national accident rate

Safety enhancement initiative	Action	Timeline	Responsible entity	Stakeholders	Metrics/ Indicators	Priority	Monitoring Activity
NASP OPS	1. Implement the following Bird Strike	Implemented					
SEI on Bird	safety actions:	2007	AC&ATM				
	a. Observe bird activities and bird strikes				NT 1 C		Surveillance of
Mitigate	at the airports and promote collecting,			Air Operators	Number of		Aerodromes,
contributing	reporting, recording and analysis of data			ANS service provider	BIRD		ANSP, air
factors to the risk	through various means.			Aerodrome service	accident/incide	HIGH	operator
of Bird strike	b. Ensure the better management of	Implemented		providers	nt per 10,000		activities Safety
accidents and	vegetation and land use at the airports.	2007	AC&ATM	CAC inspectors	flying		Reporting
incidents				1	hours		(MOR/VOR)
	c. Ensure the implementation of	Implemented	AC&ATM				
	effective bird distracting mechanisms at	2016					

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the airports.			
2 Validate the effectiveness of the SEI Implemented AC&ATM through the analysis of MORs, VORs and accident/incident investigations (apply safety management methodologies)			
3 Conduct continuous evaluations of the performance of the SEIs Continuous AC&ATM			

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APPENDIX B

DETAILED SEIS: OTHER SAFETY ISSUES

(Organizational challenges)

Issue no 2: Establishment of a safety oversight framework

Focus on lower EI scores for categories namely

CE-8: Resolution of safety issues

CE-1: Primary aviation legislation

CE-5: Technical guidance, tools and provision of safety-critical information

Areas:

AIG: Accident and Incident Investigation

AGA: Aerodrome and Ground Aids (Regional deficient Area)

Goal 2: Strengthen State safety oversight capabilities

Target 2.1: improve the score for the effective implementation (EI) of the critical elements (CEs) of Armenia's safety oversight system (with focus on priority PQs) as follows: by 2022 – 75 per cent, by 2026 – 85 per cent, by 2030 – 95 per cent

Target 2. 2: By 2022, reach a safety oversight index greater than 1, in all categories

Target 2.3: endeavor to have no Significant Safety Concerns (SSCs) under the USOAP Continuous Monitoring Approach (CMA), and to resolve any findings promptly within the time frame specified in the Corrective Action Plan and agreed to by ICAO from 2018 to 2023

Safety enhancement initiative	Action	Timeline	Responsible entity	Stakeholders	Metrics/Indicators	Priority	Monitoring Activity
Consistent implementation of	Work at the national level to address significant safety concerns as a priority Address all priority protocol questions	Continuous 2022	AWD, FOD, ACATM, AVSEC AWD, FOD,	Air Operators, ANS service Provider, Aerodrome	EI percentage State Safety Index Rate of	HIGH	Quality assurance of oversight functions
national level	(PQs) of the USOAP CMA		ACATM, AVSEC	service providers	improvement in compliance		Surveillance of

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			Advisor for coordinating independent functions/		Percentage of priority PQs addressed		Aerodromes, ANSP, air operator activities
	3. Establish primary aviation law and regulations, to empower the competent authority to conduct regulatory oversight, this includes separation of oversight functions and service provision functions (CE-1 and CE-2)	2023	ALL CAC (NCMC)				
	4. Increase the level of compliance with ICAO SARPs and the EI of CEs at the national level (CE-1 to CE-5)		ALL CAC (NCMC)				
	5. Establish a process for the identification of differences with ICAO SARPs (CE-2)	2023	Advisor for coordinating independent functions				
GASP ORG SEI 2 (State) Development of a comprehensive	1. Establish and maintain an independent regulatory oversight authority, which includes separation of oversight functions from service provision functions where these exist within the authority (CE-3)	2023	ALL CAC	Air operators ANS service provider Aerodrome service providers	Independent regulatory oversight authority Safety oversight functions	HIGH	Quality assurance of oversight functions Surveillance of
regulatory oversight framework	2. Develop an effective system to promulgate technical guidance and tools, and provide safety critical information needed for technical personnel to effectively perform their safety oversight functions (CE-5).	2023	ALL CAC NCMC	CAC inspectors			Aerodromes, ANSP, air operator activities
	3. Establish an effective system to attract, recruit, train and retain qualified and sufficient technical personnel to support regulatory	Implemented 22.04.2022	HR				

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	oversight (see SEI-5) (CE-3 and CE-4)						
GASP ORG SEI-3 (State) Establishment of an independent accident and incident investigation authority, consistent with Annex 13	1. Establish an independent accident and incident investigation authority, as per Annex 13 requirements (CE-1 and CE-3) 2. Develop an effective system to promulgate technical guidance and tools, and provide safety critical information needed for technical personnel to effectively conduct accident and incident investigations (CE-5) 3. Establish an effective system to attract, recruit, train and retain qualified and sufficient technical personnel to support accident and incident investigations (see SEI-5) (CE-3 and CE-4)	2023 2023 Implemented 22.04.2022		Ministry of Territorial Administration and Infrastructure	Independent accident and Incident investigation Authority The required technical guidance and tools	HIGH	AIG reports Quality assurance regarding the AIG functions
GASP ORG SEI-4 (State) Strategic allocation of resources to enable effective safety oversight	1. Confirm executive or legislative mandate to receive financial resources from government or other external sources and expend them (CE-1) 2. Establish a process for the resource planning and allocation in alignment with a competent authority's organizational structure, which is required to conduct effective safety oversight (CE-2 and CE-3). SEI-1 and SEI-5 could be used to identify resource requirements (CE-1 to CE-5)	2023 Implemented 02.03.2022	CAC Ministry of Territorial Administration and Infrastructure CAC HR Ministry of Territorial Administration and Infrastructure	Air Operators ANS service Provider Aerodrome Service providers CAC	CAC acts and regulations	HIGH	Provisions and implementation of CAC acts and regulations

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	3. Obtain a sustainable and stable source of financing through commitments from the national and agency leadership and other stakeholders (CE-1 to CE-3). For small scope short-term improvements: a. Utilize the ICAO Safety Fund (SAFE), Technical Co-operation Bureau, or other means to acquire technical and financial assistance in coordination with RASG/RSOO/ICAO Regional Office b. Seek assistance from more experienced States and other stakeholders in coordination with RASG/RSOO/ICAO Regional Office c. Seek assistance from sources of financing (World Bank, Asian Development Bank etc.) in coordination with RASG/RSOO/ICAO Regional Office	2024	CAC Ministry of Territorial Administration and Infrastructure					
GASP ORG	4. Develop a process for assessing changing resource requirements and sustain necessary coordination with resource stakeholders for safety oversight improvements, as outlined in Component 1 of this roadmap (CE-1 to CE-3) 1. Establish an effective system to identify and	2026 After self- financing	CAC HR	1: 0				
SEI-5 (State)	track qualifications and training of existing technical personnel (CE-4)	-	HR	Air Oper ANS ser Provid	vice	Qualified		Quality assurance of
Qualified technical personnel to support effective safety oversight	2. Identify the gaps in qualified technical personnel and training requirements necessary to implement the oversight mandate (CE-4)	Implemented 02.03.2022	CAC professional departments HR	Aerodro servio provid CAO	ers	technical manpower	HIGH	oversight functions

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3. Establish a compensation scheme for the	2026	CAC	inspectors	
attraction and retention of qualified technical	After self-	HR	_	
personnel (CE-4)	financing			
4. Make use of RSOOs, RAIOs, or equivalent	Continuous	CAC		
means, to secure qualified technical personnel				
to perform those functions which cannot be				
performed by the State acting on its own (CE-				
4)				
5. Establish human resource plans to support	2026	CAC		
hiring and retention of the appropriate number	After self-	HR		
of qualified technical personnel required (CE-	financing			
4)				
6. Implement training policies and	Implemented	CAC		
programmes for technical personnel and verify	2022	professional		
that the type and frequency of training		departments		
successfully completed (i.e. initial, recurrent,		HR		
specialized and on-the-job training) are				
sufficient to acquire/maintain the required				
qualifications and level of competence				
corresponding to the assigned duties and				
responsibilities of technical personnel (CE-4)				
7. Develop a process for assessing changing	2026	CAC		
needs for qualified technical personnel	After self-	professional		
requirements and develop procedures to	financing	departments		
update hiring, retention and training of		HR		
personnel needs, in coordination with SEI-4B				
(CE-4)				

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GASP ORG SEI-7 (State) Provision of the primary source of safety information	1.Update USOAP corrective action plan items	2023	NCMC CAC professional departments				
completing, submitting and updating all relevant		2022	CAC professional departments	CAC			
records	3 Complete and submit the State aviation activity questionnaire 4. Complete and submit the compliance checklists on electronic filing of differences system 5. Update documents and records, as required, in a timely manner	Implemented 2022 2023 2023	RA SSP focal point Advisor for coordinating independent functions CAC professional departments CAC professional departments	Ministry of Territoria Administrat and Infrastructu	1 Findings	HIGH	USOAP validation activity
			Advisor for coordinating independent functions				
GASOPORG SEI-8 Consistent implementation of	1.Work at the national level to address significant safety concerns as a priority	2023	CAC professional departments RA SSP focal point	Air Operators ANS service Provider Aerodrome service	Number of Significant Safety Concerns	HIGH	Quality assurance

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ICAO SARPs at the national level			NCMC	providers CAC inspectors			
	2. Increase the level of compliance with ICAO SARPs and the EI of CEs at the national level (all CEs, emphasis on CE-6 to CE-8)	2023	CAC professional departments Advisor for coordinating independent functions		ICAO SARPs CEs		
GASP ORG SEI-9 Continued implementation of and compliance with ICAO SARPs at the national level	Implement licensing, certification, authorization and approval processes (CE-6) Implement regulatory oversight and enforcement processes (CE-7 and CE-8)	2023	CAC professional departments Advisor for coordinating independent functions CAC professional departments Advisor for coordinating independent functions	Air Operators ANS service Provider Aerodrome service provider CAC inspectors	CAC acts and regulations	HIGH	Provisions and implementation of CAC acts and regulations
	3. Establish a system to resolve safety concerns identified via accident and incident investigations, surveillance activities, safety reports and other means (CE-8)	2024	Ministry of Territorial Administration and Infrastructure		Number of safety concerns		AIG reports Quality assurance regarding the AIG functions

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Issue No. 3: Slow pace of SSP implementation, as well as understanding of newer safety management and performance-based concepts

Goal 3: Implement effective SSP

Target 3.1: By 2022, implement the foundation of an SSP

Target 3.2: By 2025, implement effective SSP, as appropriate to the aviation system complexity

Target 3.3: By 2023 create a regulatory system which efficiently contributes to the protection of the aviation system from cyber-attacks and their consequences. To achieve this objective it is proposed to introduce a regulation covering all the aviation domains (design, production, maintenance, operations, aircrew, ATM/ANS, ADRs), which include high-level, performance-based requirements, supported as applicable by acceptable means of compliance (AMC), guidance

material and Industry Standards.

Safety enhancement initiative	Action	Timeline	Responsible entity	Stakeholders	Metrics/Indicators	Priority	Monitoring Activity	
GASP ORG SEI-13 (State)	1. Secure State-level commitment to improve safety	Continuous	CAC					
	2. Conduct initial SSP gap analysis (checklist)		CAC					
Start of SSP	then the detailed SSP self-assessment	Implemented	professional					
implementation at		2017	departments					
the national level		Updated 2022	RA SSP focal					
			point					
	3. Establish an SSP implementation team	Implemented	CAC	Air Operators	Level of SSP implementation		ICAO ISTARs Quality	
	4. Develop an implementation plan for the		CAC	ANS service	1		assurance of	
	SSP		professional	Provider	Level of SMS	HIGH	oversight	
		2021	departments	Aerodrome	implementation in		functions and	
			RA SSP focal	Service providers	service providers		SSP	
			point				implementation	
	5. Issue SMS regulations for service providers		CAC					
	and verify SMS implementation		professional					
		2022	departments					
			RA SSP focal					
			point					
	6. Identify and share safety management best	2023	CAC					

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	practices		professional departments RA SSP focal point				
GASP ORG SEI-14 (State) Strategic	1. Establish a process for planning and allocation of resources to enable SSP implementation and identify areas where resources are needed	2026 After self-financing	CAC HR	CAC			
allocation of resources to start SSP implementation	2 Obtain resources from national and appropriate authorities' leadership and stakeholders within the State to support SSP implementation	2025	CAC Ministry of Territorial Administration and Infrastructure	Ministry of Territorial Administration and Infrastructure	CAC acts and	HIGH	Provisions and implementation
	3. Work with the ICAO Regional Office to make use of available means (e.g. Technical Cooperation Bureau) to acquire assistance needed for SSP implementation	2025	CAC professional departments RA SSP focal point		regulations		of CAC acts and regulations
	4. Work with RSOO, other States and other organizations, as appropriate to train qualified technical personnel to fulfil their duties and responsibilities regarding SSP implementation		CAC professional departments RA SSP focal point				
GASP ORG SEI-15 (State) Strategic collaboration	1. Identify areas where collaboration/support is needed as part of the SSP implementation plan (see SEI-14)	2023	CAC professional departments RA SSP focal point	Air Operators ANS service Provider	Number of collaborator Identified Number of activities	HIGH	Monitoring and evaluating collaborative activities through

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with key aviation stakeholders to start SSP implementation	2. Identify relevant collaborators from key aviation stakeholders, including other States that are implementing or have implemented an SSP	2022	CAC professional departments RA SSP focal point	Aerodrome Service providers Global and Regional bodies	collaborated with identified collaborators		Steering committees and regional forums
	3. Develop an action plan to address the elements identified as missing or deficient during the SSP gap analysis (see SEI-13B)	2022	CAC professional departments RA SSP focal point	Other states			ICAO ISTARs
	4. Establish a process via RASG and/or RSOO for a mentoring system, including providing assistance to States/industry, as well as sharing of best practices to support SSP implementation	2022	CAC professional departments RA SSP focal point RESG Focal point				
	5. Develop a process to provide training on SSP to relevant staff, in collaboration with RSOO and/or other States (e.g. initial, recurrent and advanced).	2023	HR RA SSP focal point				
	6. Establish and implement a process for sharing technical guidance, tools and safety-critical information related to SSP (e.g. advisory circulars, staff instructions, safety performance indicators), in collaboration with other States, RASG, RSOO, ICAO and/or other stakeholders.	2022	RA SSP focal point CAC professional departments				
GASP ORG SEI-16 (State)	1. Work with collaborators (identified in SEI-15) to execute the action plan for implementation	2025	RA SSP focal point CAC	Air Operators ANS service	Number of activities collaborated with identified	HIGH	Monitoring and evaluating collaborative

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Strategic collaboration with key aviation			professional departments	Provider Aerodrome	Collaborators Level of SSP		activities through Steering
stakeholders to complete SSP implementation	2. Work with collaborators to ensure all elements of the SSP are present, suitable, operational and effective	2023	RA SSP focal point CAC professional departments	Service providers Global and Regional bodies Other states	implementation Number of best practices shared with other states		committees and regional forums
	3. Establish a system for the continuous improvement of the SSP, in collaboration with all relevant stakeholders	2023	RA SSP focal point CAC professional departments		5		ISTARs
	4. Serve as a champion State to promote best practices among other States	2026	RA SSP focal point CAC professional departments				
GASP ORG SEI-17 (State)	1. Establish a legal framework related to the protection of safety data, safety information and other related sources	Implemented	CAC	Air Operators	Number of mandatory and		Quality
Establishment of safety risk management at the national level (step 1)	2. Establish a State mandatory occurrence reporting system	2022	RA SSP focal point CAC professional departments	ANS service provider Aerodrome service	Legal framework regarding to hazard id and SRM	HIGH	assurance of SRMs conducted Effectiveness of reporting
	3. Develop a safety database for monitoring system safety issues and hazards, in line with	2023	RA SSP focal point	providers	Number of SRM conducted.		systems

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	the principles of Doc 9859 — Safety Management Manual		CAC professional departments				
	4. Establish and maintain a process to identify hazards from collected safety data	2022	RA SSP focal point CAC professional departments				
	5. Establish and utilize a process to ensure the assessment of safety risks associated with identified hazards	2022	RA SSP focal point CAC professional departments				
	6. Establish a State confidential voluntary safety reporting system providing data to the safety database (see SEI-17C)	2023	RA SSP focal point CAC professional departments				
GASP ORG SEI-18 (State) Establishment of safety risk	1 Develop safety performance indicators using the established safety risk management process	2023	RA SSP focal point CAC professional departments	Air Operators ANS service provider	Number of mandatory and voluntary reports Legal framework	HIGH	Quality assurance of SRMs conducted
management at the national level (step 2)	2. Develop safety performance measurement methodologies, aligned with the regional safety metrics, using the established safety risk management process (see SEI-17E)	2022	RA SSP focal point CAC professional	Aerodrome service providers	regarding to hazard id and SRM Number of SRM conducted.	піон	Effectiveness of reporting systems Quality of SPIs

		departments	 Number of SPIs and	and SPTs defined
3. Establish the acceptable level of safety performance to be achieved through the SSP	2023	RA SSP focal point CAC professional departments	SPTs defined	ontribution of SPIs to EUR RASP
4. Ensure the establishment of mandatory safety reporting systems by service providers.	2022	RA SSP focal point CAC professional departments		
5. Encourage establishment of voluntary safety reporting systems as part of service providers' SMS.	2022	RA SSP focal point CAC professional departments		
6. Promote safety awareness and the two-way communication, sharing and exchange of safety relevant information within the State's aviation organizations and encourage sharing of safety information with industry within the State	Continuous	RA SSP focal point CAC professional departments		
7. Contribute information on safety risks and SSP safety performance indicators to the RASP	2025	RA SSP focal point CAC professional departments		

RA NATIONAL AVIATION SAFETY PLAN 1. Create a regulatory system which efficiently 2023 AVSEC CAC Development of Quality contributes to the protection of the aviation Organisations cybersecurity assurance of strategy in Armenia system from cyber-attacks and their Air Operator **SRMs** and assessing consequences covering all the aviation Certificate conducted cybersecurity domains (design, production, maintenance, Holders operations, aircrew, ATM/ANS, Effectiveness of Approved threats ADRs) Maintenance reporting Legal framework Organisations, systems regarding cyber-HIGH Providers of Air attacks Traffic Quality of SPIs Management/Air and SPTs Navigation defined Services Contribution of Operators of certified SPIs to EUR aerodromes **RASP** 2. Develop Strategy for Cybersecurity in **AVSEC** Quality 2023 ALL Aviation (including Information sharing, assurance of Research and studies, Event investigation **SRMs** and response, Knowledge and competence conducted building, International cooperation and Number of SRM harmonization, Regulatory activities and Effectiveness of conducted. development of Industry Standards) reporting HIGH systems Number of SPIs and SPTs defined **Quality of SPIs** and SPTs defined

Contribution of

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							SPIs to EUR RASP
GASP ORG SEI-19 Acquisition of resources to increase the	1. Identify resources needed to support safety intelligence collection and processing, advanced data analysis, risk modelling and information sharing capabilities	2022	RA SSP focal point CAC professional departments	Air Operator ANS service provider Aerodrome	Number of qualified technical personnel for SMS and SSP		Quality assurance of SSP
proactive use of risk modelling capabilities	2. Attract, recruit, train, and retain qualified technical personnel to specialize in risk modelling	2026 After self- financing	CAC HR	service providers	Resource allocated to SSP	HIGH	implementation related activities
	3. Ensure that the Civil Aviation Safety Inspector workforce is trained to perform safety oversight of service providers that have implemented SMS	2026 After self- financing	CAC HR professional departments		implementation		activities
GASP ORG SEI-20 (State) Strategic collaboration with key aviation stakeholders to support the proactive use of risk modelling capabilities	1. Identify areas where collaboration/support is needed to ensure that stakeholders understand and implement safety culture concepts to fully embrace an open, just culture and non-punitive safety reporting 2. Establish a process via RASG and/or RSOO (or other regional bodies) for a mentoring system, including providing assistance to States/industry, as well as the sharing of best practices, to support safety culture development and the proactive use of risk modelling	2023	RA SSP focal point CAC professional departments RA SSP focal point RESG focal point CAC professional departments	All	Number of areas identified for collaboration Number of assistance received and best practices shared	HIGH	Surveillance of state risk modelling capabilities

	RA NATIONAL AVIATION SAFE	TY PLAN					
	3. Foster and participate in public-private partnerships similar to the commercial/general aviation safety teams' concept to identify and implement system safety enhancements.	2023	RA SSP focal point CAC professional departments				
	4. Collaborate with national and industry stakeholders to establish a mechanism for the regular sharing and exchange of safety information, analyses, safety risk discoveries/lessons learned and best practices within a confidential and non-punitive environment	2023	CAC RA SSP focal point CAC professional departments				
GASP ORG SEI-21 (State) Advancement of safety risk management at the national level	1. Establish data sharing connectivity and integration among the State's aviation safety databases, including the mandatory occurrences reporting system, voluntary safety reporting systems, safety audit reports and aviation system statistics (traffic counts, weather information, EI scores, etc.) 2. Develop risk modelling capabilities to support monitoring system safety issues and accident/incident prevention	2023	RA SSP focal point CAC professional departments CAC RA SSP focal point	Air Operato ANS servio	ce Number of information shared	HIGH	Surveillance of state safety risk
	accident incident prevention		point CAC professional departments Ministry of Territorial Administration and Infrastructure	Aerodrom service providers			management

RA NATIONAL AVIATION SA	FETY PLAN			
3. Encourage information-sharing with industry	2025	CAC RA SSP focal point CAC professional departments		

Issue no. 4: Lack of resources and expertise to manage and collect data on a State level, and no formal mechanisms in place that allow for the sharing and benchmarking of information at the regional level.

Goal 4: Increase collaboration at the regional level

Target 4.1: By 2023 seek assistance to strengthen safety oversight capabilities using

- a regional safety oversight mechanism,
- another State or other safety oversight,
- organization's ICAO recognized functions

Target 4.2: By 2022 contribute information on safety risks, including SSP Safety Performance Indicators (SPIs), to EUR-RASG

Target 4.3: By 2022 actively lead RASGs' safety risk management activities with effective safety oversight capabilities and an effective SSP

Target 4.4: to actively participate in the regional mechanism for data collection, analysis and sharing by 2020.

Target 4.5: to encourage the increased participation in flight data sharing initiatives by air operators, with aircraft of mass 27,000kg above by 2020.

Safety enhancement initiative	Action	Timeline	Responsible entity	Stakeholders	Metrics/Indicators	Priority	Monitoring Activity
GASP ORG SEI-6 (State) Strategic collaboration	1. Based on the identified safety deficiencies, establish a mechanism to identify collaborators and develop an action plan for the resolution of those deficiencies (CE-1 to CE-5)	2024	RA SSP focal point CAC professional departments	Other states	Number of collaborators identified for assistance.		State safety oversight
with key aviation stakeholders to enhance safety	2. Based on the identified safety deficiencies, establish a mechanism to identify collaborators and develop an action plan for the resolution of those deficiencies (CE-6 to CE-8)	2024	RA SSP focal point CAC professional departments	RSOOs	Number of assistance received to strengthen oversight of state from regional	HIGH	capability and effectiveness by State Quality assurance.

				bodies or/and	
2. Has a majoral sofato accominht manhania	2022	CAC	_	States.	
3. Use a regional safety oversight mechanis					
or the services of another competent State of	or	professional			
organization	2022	departments			
4. Establish a process via RASG and/or RS	OO 2022	RESG focal			
for a mentoring/collaboration system,		point			
including providing State/industry assistance		RA SSP focal			
as well as sharing of best practices and inte		point			
follow-up actions (CE-1 to CE-5, emphasis	on	CAC			
CE-3)		professional			
		departments			
5 Collaborate with RASG and/or RSOO, of	her 2022	CAC			
States, ICAO, industry joint programmes	2022	HR			
and/or technical school partnerships to attra	act.	RESG focal			
recruit and train qualified and sufficient	,	point			
technical personnel and develop a strategy	for	Politi			
their retention (CE-4)					
6. Establish and implement a process for th	e	CAC	-		
development and promulgation of technical		professional			
guidance, tools and the provision of safety-	2024	departments			
critical information, in collaboration with	2024	Advisor for			
other States, RSOO, ICAO and/or other		coordinating			
stakeholders, with the understanding that the	iese	independent			
materials need to be tailored to each State's	s	functions			
national regulations and operational					
environments (CE-5)					
7. While working to improve safety oversig	ght, 2022	RESG focal			
work with RASG and/or RSOO to address		point			
high-risk categories of occurrences		RA SSP focal			
		point			

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8 Use technical guidance, tools and safety- critical information, developed in	2025	CAC professional departments CAC professional		
collaboration with other States, RSOO, ICAO and/or other stakeholders, to enable technical personnel to perform their safety oversight functions effectively (CE-6 to CE-8)		departments		

Goal 5: Expand the use of industry programmes

Target 5.1: By 2020, all service providers to use globally harmonized SPIs as part of their safety management system (SMS) taking into account operational needs Target 5.2: By 2022, increase the number of service providers participating in the corresponding ICAO-recognized industry assessment programmes (Airports Council International (ACI) Airport Excellence (APEX) in Safety programme, the Civil Air Navigation Services Organisation (CANSO) and European Organisation for the Safety of Air Navigation (EUROCONTROL) maturity assessment within the Standard of Excellence in Safety Management Systems, the Flight Safety Foundation (FSF) Basic Aviation Risk Standard (BARS), the International Air Transport Association (IATA) Operational Safety Audit (IOSA), and

the International Business Aviation Council (IBAC) International Standard for Business Aircraft Operations (IS-BAO))

Safety enhancement initiative	Action	Timeline	Responsible entity	Stakeholders	Metrics/Indicators	Priority	Monitoring Activity
SEI-5	1. Ensure implementation of a safety management system (SMS) commensurate to the size and complexity of the service	2023	RA SSP focal point CAC	Air Operators ANS service provider	Level of SMS Implementation Number of guidance	HIGH	Surveillance of service providers' SMS
Improvement of industry compliance	provider, as required by national regulations and Annex 19.		professional departments	Aerodrome service	materials available Number of		implementation

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with applicable SMS requirements	2. Ensure utilization of available guidance material to assist with SMS implementation	2023		Providers	discrepancies reported to authority		
GASP SMS SEI-6 Resources for service providers to	1. Ensure working in collaboration with the State and industry associations to advance SMS implementation and identify expectations that cannot be efficiently resourced	2023	RA SSP focal point CAC professional departments				
effectively implement SMS	2. Ensure identification of areas where resources are needed as part of the SMS implementation plan developed following the SMS gap analysis	2022	RA SSP focal point CAC professional departments	Air Operators ANS service provider	No of areas identified for support	Шон	Surveillance of service
	3. Ensure establishing a process for resource planning and allocation to enable SMS implementation, including resources which may be obtained from industry organizations	2023	RA SSP focal point CAC professional departments	Aerodrome service Providers	Level of Commitment from accountable manager	HIGH	providers' SMS implementation
	4. Ensure obtaining commitment from the accountable executive within the service provider for the necessary resources to enable SMS implementation	2025	RA SSP focal point CAC professional departments				
GASP SMS SEI-7 Strategic collaboration	1. Ensure working with the action plan of SSP implementation through sharing and supporting harmonization of SMS within industry	2024	RA SSP focal point CAC professional departments	Air Operators ANS service provider Aerodrome service	Number of collaborators identified Level of information shared	HIGH	Surveillance of service providers' SMS implementation

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with key aviation stakeholders to complete				Providers	with state Number and quality of defining HRCs		
SSP implementation	2. Ensure support for continuous improvement of SSP implementation	2025	RA SSP focal point CAC professional departments				
GASP SMS SEI-8 Establishment of safety risk management at the	1. Ensure establishment of mandatory safety reporting systems	2022	RA SSP focal point CAC professional departments				
service provider level (step 1)	2. Ensure providing information from the service provider to the State mandatory safety reporting system, as required	2022	RA SSP focal point CAC professional departments	Air Operators ANS service provider Aerodrome	No of MOR and VOR received. Definition of SPIs and SPTs	HIGH	Surveillance of service providers' SMS
	3. Ensure establishment of internal mechanisms related to the protection of safety data, safety information and related sources for the purpose of safety improvement	Implemented	RA SSP focal point CAC professional departments	service Providers	No Techniques used for measuring performance measurement		implementation
	4. Ensure establishment of voluntary and confidential hazard/occurrence reporting systems as part of the SMS	2022	RA SSP focal point CAC professional				

	RA NATIONAL AVIATION SAFE	TY PLAN					
			departments				
	5. Ensure establishment and maintenance of a safety database for technical personnel to monitor system safety issues within the service provider	2023	RA SSP focal point CAC professional departments				
	6. Ensure establishment and utilization of a safety risk management process	2022	RA SSP focal point CAC professional departments				
GASP SMS SEI-8 Establishment of safety risk management at the	1. Ensure development of safety performance measurement methodologies, aligned with harmonized safety metrics within industry, via the established safety risk management process	2022	RA SSP focal point CAC professional departments		Number of MOR and VOR received.		
service provider 2.Ex level (step 2) indivia	2.Ensure development of safety performance indicators and associated targets/alert settings, via the established safety risk management process	2023	RA SSP focal point CAC professional departments	Air Operators ANS service provider Aerodrome service Providers	Definition of SPIs and SPTs Number of Techniques used for	HIGH	Surveillance of service providers' SMS implementation
	3. Encourage the use of globally harmonized metrics for the development and monitoring of safety performance indicators, as part of the service providers' SMS	2023	RA SSP focal point CAC professional departments		measuring performance measurement		

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	4. Encourage sharing and use of information from within industry to identify hazards and mitigate safety risks	2023	RA SSP focal point CAC professional departments				
GASP SMS SEI-10 Allocation of industry resources to support continuous improvement of SSP and SMS	1. Ensure competent technical personnel are allocated, at the service provider level, to support the requirements of the SSP infrastructure	2022	RA SSP focal point CAC professional departments	Air Operators ANS service provider Aerodrome	Level of competence of staff		Surveillance of service providers' SMS implementation
	2. Ensure providing safety analysis results from service providers to support the SSP	2023	RA SSP focal point CAC professional departments	service Providers	allocated for SMS implementation		
support the	Ensure working with industry stakeholders to leverage best practices with safety information analysis	2025	point CAC professional	Air Operators ANS service provider Aerodrome service Providers	Number of stakeholders identified and mechanism established to deal with them	HIGH	Surveillance of service providers' SMS implementation
	2. Ensure sharing of safety risk identification with stakeholders for mitigation and monitoring strategies	2023	RA SSP focal point CAC professional departments				
	3. Ensure active participation with State and organizations engaged in risk modelling	2025	RA SSP focal point				

	RA NATIONAL AVIATION SAFET	Y PLAN					
			CAC professional departments				
GASP SMS SEI-12 Advancement of safety risk management at the	Ensure safety information and other related sources is implemented and effective	2025	IA, Advisor for coordinating independent functions	Air Operat ANS servi provider Aerodrom service Providers	ice established and activities carried o	HIGH	Surveillance of service providers' SMS implementation
service provider level	2. Ensure developing risk modelling capabilities to support the monitoring of system safety issues and accident/incident prevention	2022	CAC professional departments Ministry of Territorial Administration and Infrastructure				
	3. Ensure monitoring safety information exchange networks for continuous improvements	2022	Advisor for coordinating independent functions IA				

Goal 6: Ensure the appropriate infrastructure is available to support safe operations

Target 6.1: to implement the air navigation and airport core infrastructure (GASP) by 2022.

Target 6.2: to achieve at least 75% EI in AGA of USOAP CMA by 2022.

Target 6.3: to achieve at least 75% EI in AIG of USOAP CMA by 2022.

Target 6.4: to certify all aerodromes that are used for international operations by 2022.

Target 6.5: to establish an independent Accident and Incident Investigation Authority (AIIA) as required by Annex 13, as well as related investigation system and procedures by 2022.

	RA NATIONAL AVIATION SAFETY PLAN						
Safety enhancement initiative	Action	Timeline	Responsible entity	Stakehola	ders Metrics/Indicators	Priority	Monitoring Activity
airport core	1. Establish a means to informally share information and coordinate on operational issues in the USOAP Audit Areas of AIG and AGA	2022	NCMC	CAC Ministry of Territorial Administrat and Infrastructur	issues shared and coordinated.	HIGH	Surveillance to ensuring the quality of operational information sharing and
	2. Establish an independent accident and incident investigation authority (AIIA) as required by Annex 13, as well as related investigation system and procedures	2022	Ministry of Territorial Administration and Infrastructure	and	conducted in accordance with Annex 13 re etors ors		coordination mechanism, implementation of EUR-RASG Seamless ANS Plan 3 and AIG conduction

One issue may be associated with multiple goals and/or targets.