



Presentation on

APAC REGIONAL AVIATION SAFETY PLAN (AP-RASP)

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Background & Scope

- This webinar is intended to introduce the APAC Regional Aviation Safety Plan (AP-RASP), 2020-2022 edition. The AP-RASP was published in March 2020 and this plan charts the APAC Region's strategy to strengthen the management of aviation safety to continually reduce aviation risks. The webinar will present how the AP-RASP has been organized and how, by means of the AP-RASP, aviation stakeholders of the APAC Region should affirm their commitment to aviation safety.
- It will address how the GASP and the AP-RASP are related to the development of the NASP and why States should consider this relationship, as part of their NASP development process. In addition, the webinar will present considerations for States on the mapping between plans to support the achievement of the RASP and GASP goals, and the alignment of SEIs in each document. Finally, it will address monitor the progress of implementation for States' NASPs and AP-RASP, at the regional level.





Background & Scope

Where you shall find the Document AP-RASP, AP-RASPAT & Annual Safety Reports:

https://www.icao.int/APAC/RASG/Pages/default.aspx





Background & Scope

Why you need to know about these Documents (AP-RASP, AP-RASPAT & Annual Safety Reports):

- a. Because, States are urged to formulate their own National Aviation Safety Plan (NASP).
- b. Because, AP-RASP sits in between the GASP and NASP and there is a mapping requirement.
- c. Because, States urged to align themselves with the Global and Regional Plans in order to mitigate the Safety Risks.





Background – AP-RASP Decisions & Conclusions

RASG/8 – Sep 2018:

RASG-APAC/8 (6-7 Sep 2018) first decided on formulating AP-RASP through WP 13 (See para 6.1 of RASG/8 Report) to find a suitable mechanism. The task was also inserted in the Yearly Work Programme 2018/2019 as item 4. Accordingly Decision 8/12 was taken;

Decision RASG-APAC 8/12 — Formulating a Regional Aviation Safety Plan (RASP) and role of RASG – (WP/13)

"That, APRAST be requested to look into formulating a Regional Aviation Safety Plan (RASP) for 2020-22 in collaboration with APAC-AIG (wherever required) by APRAST/14 and present the Draft RASP in RASG-APAC/9 for approval."





Background – AP-RASP Decisions & Conclusions

<u>APRAST/13 – Dec 2018:</u>

APRAST 13 took place immediately after that (3-7 Dec 2018) came out Decision 13/2 and Conclusion 13/1 on AP-RASP (See para 6.1 and 7.1 of the APRAST-13 Report);

Conclusion APRAST 13/1: Proposed Approach to Develop the Asia-Pacific Regional Aviation Safety Plan (AP-RASP)

"That, APRAST, with support from ICAO APAC Office and other regional mechanisms including the COSCAPs, establish an ad-hoc Working Group Comprising States/Administrations and Industry Organizations, with Singapore and AAPA as Co-Leads, to develop the Asia-Pacific Regional Aviation Safety Plan (AP-RASP) for endorsement at APRAST/14, with a view to seek approval at RASG-APAC/9."

Decision APRAST 13/2: Confirmation of the Asia-Pacific Regional Aviation Safety Plan (AP-RASP) ad-hoc Working Group members

"That, participants of the first AP-RASP ad-hoc WG inform APRAST Secretary/ ICAO APAC Office (<u>APAC@icao.int</u>) of the details of their designated Points-of-Contact by 31 December 2018."

[AP-RASP ad-hoc WG was attended by Singapore and AAPA as Co-Leads + Australia, Bangladesh, Cambodia, China, Hong Kong (China), India, Macau (China), Nepal, Thailand, USA, ACI, Airbus, Boeing, IATA, IFALPA, and ICAO APAC]





Background – AP-RASP Decisions & Conclusions

APRAST/14 – May 2019:

APRAST-14 held between 27-31 May 2019 and Decision 14/1, 14/7, 14/8 and 14/9 was taken on AP-RASP (See Para 3.5 and 3.6 of the APRAST-14 Report and WP-9);

- Decision APRAST 14/7: Key contents of AP-RASP 2020-2022 Edition (WP/8).
- Decision APRAST 14/8: Implementation arrangements for AP-RASP 2020-2022 Edition (WP/9).
- Decision APRAST 14/9 Proposal to consider including Risk of mid-air collision and Wildlife hazards in the vicinity of aerodromes in the AP-RASP.
- Conclusion APRAST 14/1— Establishment of National Aviation Safety Plans (NASPs) by APAC States in line with AP-RASP 2020-2022 Edition.





Background – AP-RASP Decisions & Conclusions

RASG/9 - Nov 2019:

Then RASG-APAC/9 took place between 7-8 Nov 2019 had Decision 9/6 on AP-RASP and Yearly Work Program Item 2 to include MAC (see para 7.6 and attachment 4 of the RASG/9 Report);

Decision RASG-APAC 9/6 — Asia-Pacific Regional Aviation Safety Plan (AP-RASP) 2020-2022 (WP/7)

"That, RASG-APAC/9 endorsed the contents of the AP-RASP and its associated implementation arrangements and approved the AP-RASP for the 2020-2022 triennium; and allowed the ICAO APAC Regional Office and AP-RASP ad-hoc WG to further refine the details of the document prior to publication by early 2020; and urged the administrator, custodians and all stakeholders to act upon their respective roles and adhere to the prescribed timelines in the AP-RASP."





Background – AP-RASP Decisions & Conclusions

TASKS	Decision RASG-APAC	YEARY WORK PROGRAMME 2020-2021 Brief Description
2	Decision RASG-APAC 9/2.	 Revise Plan of AP-RASP: Inclusion of Mid-Air Collision (MAC) in AP-RASP with data to be aligned with the GASP priorities. Better coordination with Air Navigation Capacity Building counterparts for ATM and Aerodromes and set out the risks and actions with targets integrating focal points from APANPIRG sub-groups.
STATUS T	ASK-2: SRP W	G WORING THE TASK
3	Decision RASG-APAC 10/8.	Introduce the Mechanism to Monitor the Progress of NASP implementation by the States in the Monitoring Tools.
STATUS T	TASK-3: BANGL	ADESH VOLUNTEERED TO INTRODUCE A TRACKING MECHANISM IN COORD WITH THE SECRETARIATE, WORK
IN PROG	RESS	
4	±0, 0	Introduce the Mechanism to Monitor the Progress of RASP and NASP implementation mapping by the States in the Monitoring Tools
STATUS T	ASK-4: WORK	IN PROGRESS





AP-RASP ad-hoc WG

 20 Members: 10 States/ Administrations, 10 Industry Partners, regional groupings and International Organisations

State/ Adm	inistrations	Industry Partners and Industry Partners	nternational
Singapore (Co-Lead)*	Hong Kong, China	AAPA (Co-Lead)*	IFALPA
Australia*	Macao, China*	Airbus*	APAC-AIG
Bangladesh	Nepal	Boeing*	ICAO (incl. COSCAPs)
Cambodia	Thailand*	IATA*	PASO
China*	United States*	ACI	
India			

^{*}Drafting Group members







Reference: GASP 2020-2022 Edition

Development process

- 3. Identify key stakeholders and enablers
- 4. Perform gap analysis and roadmap to identify SEIs

Plan

Develop AP-RASP and roadmap

5. Develop list of prioritised SEIs to be implemented

prioritise &

Do

6. Develop AP-RASP

Compared Contents

structure

to ensure alignment l



Act

Identify APAC priorities & risks

- 1. Conduct selfanalysis
- 2. Identify safety deficiencies

Check

Track implementation & performance

7. Monitor AP-RASP

implementation

Draft Guidance for drafting the **RASP** and **NASP Draft RASP**

ICAO GASP-SG

*Note: Promotes uniform development of a RASP, but its use is not mandatory

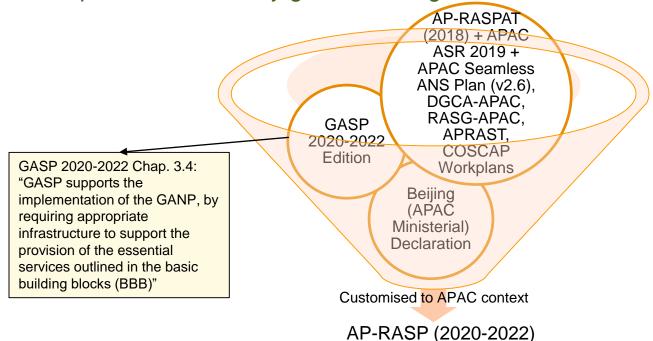
Template*





Development process

Developed from latest key global and regional documents

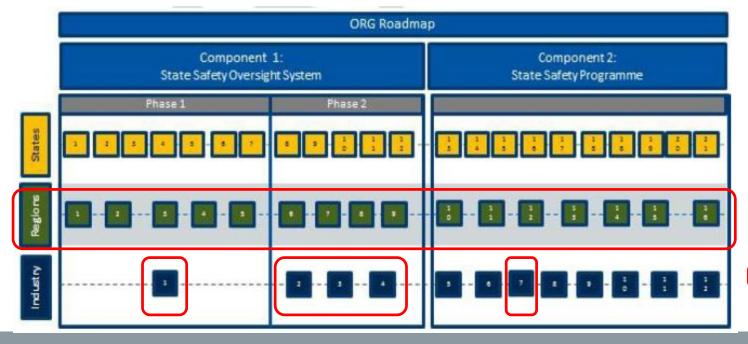






Development process

- GASP ORG Roadmap SEIs considered in developing AP-RASP
 - ➤ No particular schematic for GASP OPS Roadmap



Scope of AP-RASP and Roadmap 2020-2022





Overview: Structure (Document)

Foreword, Glossary, Executive Summary

 Comprehensive summary for high-level readers (Director-Generals and above)

Part I - Planning: 4 Chapters

- 1. Introduction
- 2. Strategic approach
- 3. Ops risks and roadmap
- 4. Org challenges and roadmap

Part II - Implementation: 2 Chapters

- 5. Responsibilities
- 6. Monitoring implementation)

Elaboration for management-level

11 Appendices (A-K)

Further details for working level reference





Regional Operational Context

Air transport is key enabler for sustainable economic and social development in APAC region

- Accounts for 30.2m jobs (1.6% of employment) and contributes USD684b (2.7%) of APAC GDP
- Compared to 65.5m jobs and USD2.7tr globally, equivalent to 3.6% of global GDP and USD704.4b aviation direct economic impact

APAC region is world's largest aviation market (in available seat-km)

- World's largest share of international revenue passanger-km, with 9.5% y-o-y growth in 2018
- World's largest market share of 38.8% passengers, expected to increase to 48.7% by 2035

APAC region comprises diverse regulatory landscape and operating environments

- 39 States, 41 CAAs and 42 ANSPs
- 50 FIRs (or 40% of the world's FIRs), vast oceanic airspace covering some 197.3mil sq km
- USOAP EI scores range from 5% to over 90%
- 8 States with a safety oversight index below 1 in all categories
- 1.6 accidents per million departures in scheduled CAT operations (over 5.7 tonnes)
- Diverse operational context, governance/ sovereignty, geography and terrain, culture, language, level of development and expertise

Sources: Various ICAO and ICAO-APAC Office 2018 reports, Airbus and Boeing global market forecasts 2016-2035





GASP Goals & Targets – Current Status

Goal		Target	Status of Target
Goal 1: Achieve a continuous reduction of operational safety risks	1.1	Maintain a decreasing trend of global accident rate	In-progress – target is on track to being achieved. The global accident rate decreased by 28% in 2020, compared to the previous year (2019)
Goal 2: Strengthen States' safety oversight capabilities	2.1	All States to improve their score for the effective implementation (EI) of the critical elements (CEs) of the State'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	In-progress – Less than half of audited States (46.52%) meet Target 2.1 (El > 75%) as of the end of 2020. In the period between 2017 and 2020, inclusive, the global El increased by 2.42%, to reach 68.86% average. If this trend continues, the target will not be achieved by 2022
	2.2	By 2022, all States to reach a safety oversight index greater than 1, in all categories	In-progress – The majority of States (80.21%) meet Target 2.2 (SOI>1) as of the end of 2020. However, scores are affected by significant drop in traffic due to COVID-19, which skews the results related to this target





GASP Goals & Targets - Current Status

Goal		Target	Status of Target
Goal 3: Implement effective State	3.1	By 2022, all States to implement the foundation of an SSP	In-progress – As of end of 2020, no State had satisfactorily completed all SSP Foundational PQs. However, 19 States have above 90% completion (which is considered satisfactory when measuring this target)
programmes (SSPs)	3.2	By 2025, all States to implement an effective SSP, as appropriate to their aviation system complexity	In progress – ICAO to redefine metrics for measuring of this target based on the SSP Implementation Assessment (SSPIA), as part of the 2023-2025 edition of the GASP
Goal 4: Increase collaboration at	4.1	By 2020, States that do not expect to meet GASP Goals 2 and 3, to use a regional safety oversight mechanism, another State or other safety oversight organization's ICAO-recognized functions in seeking assistance to strengthen their safety oversight capabilities	Not achieved – target impacted by COVID-19 pandemic.
the regional level	4.2	By 2022, all States to contribute information on safety risks, including SSP safety performance indicators (SPIs), to their respective regional aviation safety group (RASGs)	In-progress – integrated into regional aviation safety plans
	4.3	By 2022, all States with effective safety oversight capabilities and an effective SSP, to actively lead RASGs' safety risk management activities	In-progress – integrated into regional aviation safety plans





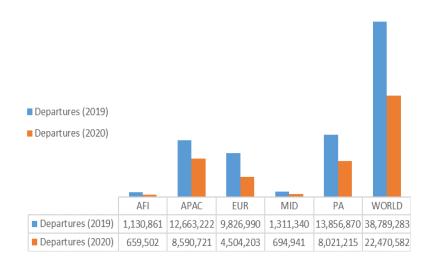
GASP Goals & Targets - Current Status

Goal	Target		Status of Target
Goal 5: Expand the use of industry	5.1	By 2020, all service providers to use globally harmonized SPIs as part of their safety management system (SMS)	Not achieved – target impacted by COVID-19 pandemic
programmes	5.2	By 2022, increase the number of service providers participating in the corresponding ICAO-recognized industry assessment programmes	In-progress – target impacted by COVID-19 pandemic, as many onsite activities of industry assessment programmes (e.g. audits) were suspended in 2020
Goal 6: Ensure the appropriate infrastructure is available to support safe operations	6.1	By 2022, all States to implement the air navigation and airport core infrastructure	In-progress – This target is measured primarily by the number of air navigation deficiencies against the regional air navigation plans, in the framework of the planning and implementation regional group (PIRGs)





APAC Departures vs Accidents



RASG	Estimated Departures (2020)	Number of Accidents	Accident Rate (per million departures)	Fatal Accidents	Fatalitie s
AFI	659,502	4	6.07	nil	nil
APAC	<mark>8,590,721</mark>	<mark>10</mark>	<mark>1.16</mark>	<mark>2</mark>	<mark>119</mark>
EUR	4,504,203	10	2.22	1	3
MID	694,941	4	5.76	1	176
PA	8,021,215	20	2.49	nil	nil
WORLD	22,470,582	48	2.14	4	298

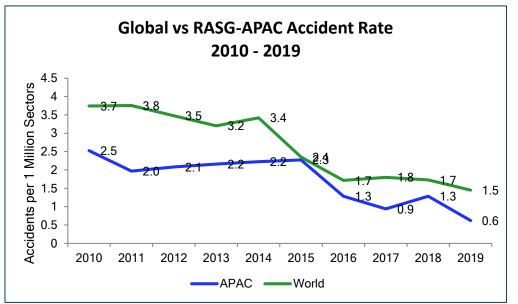
2020 Departures, accidents and fatalities by RASG region based on State of Occurrence

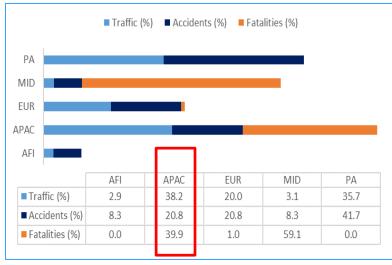
Traffic of flight departure 2019-2020





APAC Accident Rates (in million Sectors)



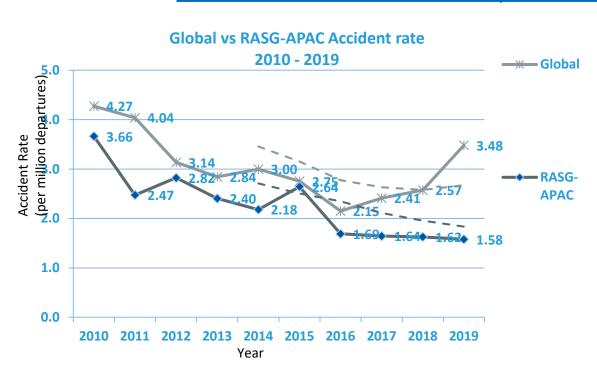


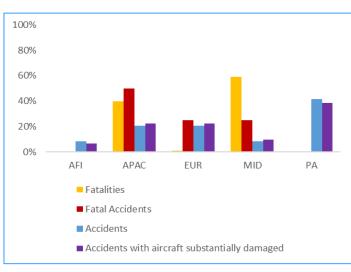
2020 Share of traffic, accidents and fatalities by RASG region based on State of Occurrence





APAC Accident Rates (in million Departures)





2020 Accident overview by RASG region



Top regional safety risks

Highest priority accident/ serious incident categories

Global HRCs (ICAO)

- 1. CFIT
- 2. LOC-I
- 3. MAC
- 4. RE
- 5. RI

Global Top accident

categories (IATA)

1. CFIT

- 2. LOC-I
- 3. Runway/ taxiway excursion (RE)

High priority accident categories for

APAC region (2018)

- 1. RS (incl. RE, RI) (2x fatal accident), hard landings and tail strikes on landing (ARC)
- 2. LOC-I (1x fatal accident)



Key organisational/ systemic challenges

Lowest USOAP EI scores

By CE	By Module
1. CE-8: Resolution of safety concerns	1. AIG
2. CE-4: Technical personnel qualifications and	2. AGA
training	3. ORG

3. CE-7: Surveillance Obligations

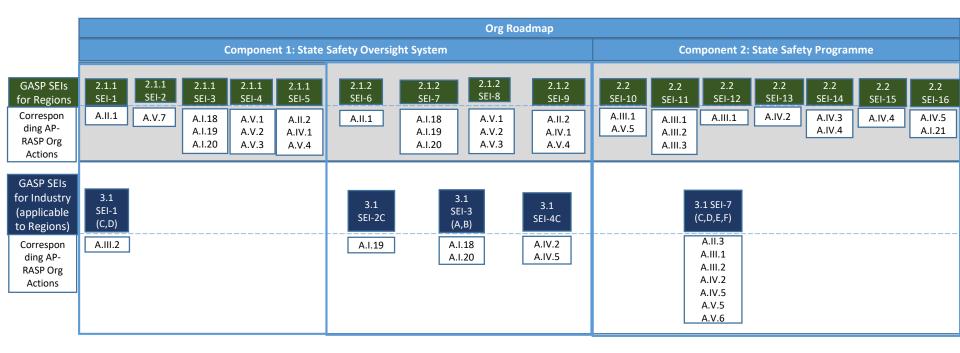
Key Challenges

- 1. Fast-growing air traffic volume
- 2. Increasing complexity of our aviation system
- Increased need for capability and capacity building
- 4. Limited collection and use of safety data for decision-making





Map of GASP and AP-RASP Org Roadmaps







Ops Roadmap

Regional HRC 1: LOC-I

Regional Goal I: Reduction in Operational Risks

Targets

T1*: Maintain a decreasing trend of fatal accidents per million departures [from 2018 to 2021]

T2*: Maintain a decreasing trend of LOC-I-related accidents per million departures [from 2018 to 2021]

GASP	Action	Custodian	Time-	Stakeholders	Metrics	Source/	Monitoring
SEI			line			Fulfils	Activity
Ops1 (CFIT); Ops2	A.I.1* LOC 1, CFIT 2: Model Advisory Circular — Air Operators Standard Operating Procedures for Flight Deck	SEI WG	2022	APRAST, SEI WG, SRP WG, COSCAPs, ICAO-	Implement- ation levels A- D	GASP	RASG-APAC/ APRAST Online SEI
(LOC-I)	Crewmembers			APAC, other			monitoring tool
Ops2 (LOC-I)	A.I.2* LOC 2, LOC 4: Guidance Material on Flight Crew Proficiency A.I.3* LOC 5: Advisory Circular — Mode Awareness and Energy State Management Aspects of Flight Deck Automation			regional platforms/ bodies, States/ Administrations., Industry/ Associations, International			
	A.I.4* LOC 6: Guidance material on Upset Prevention and Recovery Training (UPRT) - ICAO Doc 10011 - ICAO Doc 9868 - Airplane UPRT Aid			Organisations, APANPIRG			





Ops Roadmap

Regional HRC 2: RS, including RE and ARC

Regional Goal I: Reduction in Operational Risks

Targets

T1*: Maintain a decreasing trend of fatal accidents per million departures [from 2018 to 2021]

T3*: Maintain a decreasing trend of RS-related accidents per million departures [from 2018 to 2021]

GASP SEI	Action	Custodian	Time- line	Stakeholders	Metrics	Source/ Fulfils	Monitoring Activity
Ops4 (RE); Ops5 (RI)	A.I.5* RS 1: Runway Safety Maturity Checklist	SEI WG	2022	APRAST, SEI WG, SRP WG, COSCAPs, ICAO-APAC, other regional platforms/	Implement ation levels A-D	GASP	RASG-APAC/ APRAST Online SEI monitoring tool
Ops4 (RE)	A.I.6* Runway Excursion (RE) 2: Guidance material on Unstabilised Approach A.I.7* RE 7: Guidance material and training program for runway pavement, maintenance and operations from aerodrome operator's perspective			bodies, States/ Administrations., Industry/ Associations, International Organisations, APANPIRG			
Ops5(RI)	A.I.8* RI 2: Model Advisory Circular — Runway Incursion (RI) Prevention and Pilot Training						





Ops Roadmap

Regional HRC 3: CFIT

Regional Goal I: Reduction in Operational Risks

Targets

T1*: Maintain a decreasing trend of fatal accidents per million departures [from 2018 to 2021]

Action	Custodian	Time-	Stakeholders	Metrics	Source/	Monitoring
		line			Fulfils	Activity
A.I.9* CFIT 1: Model Regulation on Ground Proximity	SEI WG	2022	APRAST, SEI WG,	Implemen	GASP	RASG-APAC/
Warning System (GPWS)			SRP WG,	tation		APRAST
A.I.10* CFIT 1: Advisory Circular — Guidance for			COSCAPs, ICAO-	levels A-D		Online SEI
Operators to Ensure Effectiveness of GPWS Equipment			APAC, other			monitoring tool
A.I.11* CFIT 1: Advisory Circular — Guidance for Operators on Training Programme on the use of GPWS			regional platforms/ bodies, States/ Administrations			
A.I.12* CFIT 3: Model Advisory Circular — Instrument Approach Procedures Using Continuous Descent Final Approach Techniques			Industry/ Associations, International			
A.I.13* CFIT 4: Guidance on the Establishment of a Flight Data Analysis Programme (FDAP) A.I.14* CFIT 5: Advisory Circular — Crew Resource Management Training Programme (CPM)			Organisations, APANPIRG			
	A.I.9* CFIT 1: Model Regulation on Ground Proximity Warning System (GPWS) A.I.10* CFIT 1: Advisory Circular — Guidance for Operators to Ensure Effectiveness of GPWS Equipment A.I.11* CFIT 1: Advisory Circular — Guidance for Operators on Training Programme on the use of GPWS A.I.12* CFIT 3: Model Advisory Circular — Instrument Approach Procedures Using Continuous Descent Final Approach Techniques A.I.13* CFIT 4: Guidance on the Establishment of a Flight Data Analysis Programme (FDAP)	A.I.9* CFIT 1: Model Regulation on Ground Proximity Warning System (GPWS) A.I.10* CFIT 1: Advisory Circular — Guidance for Operators to Ensure Effectiveness of GPWS Equipment A.I.11* CFIT 1: Advisory Circular — Guidance for Operators on Training Programme on the use of GPWS A.I.12* CFIT 3: Model Advisory Circular — Instrument Approach Procedures Using Continuous Descent Final Approach Techniques A.I.13* CFIT 4: Guidance on the Establishment of a Flight Data Analysis Programme (FDAP) A.I.14* CFIT 5: Advisory Circular — Crew Resource	A.I.9* CFIT 1: Model Regulation on Ground Proximity Warning System (GPWS) A.I.10* CFIT 1: Advisory Circular — Guidance for Operators to Ensure Effectiveness of GPWS Equipment A.I.11* CFIT 1: Advisory Circular — Guidance for Operators on Training Programme on the use of GPWS A.I.12* CFIT 3: Model Advisory Circular — Instrument Approach Procedures Using Continuous Descent Final Approach Techniques A.I.13* CFIT 4: Guidance on the Establishment of a Flight Data Analysis Programme (FDAP) A.I.14* CFIT 5: Advisory Circular — Crew Resource	A.I.9* CFIT 1: Model Regulation on Ground Proximity Warning System (GPWS) A.I.10* CFIT 1: Advisory Circular — Guidance for Operators to Ensure Effectiveness of GPWS Equipment A.I.11* CFIT 1: Advisory Circular — Guidance for Operators on Training Programme on the use of GPWS A.I.12* CFIT 3: Model Advisory Circular — Instrument Approach Procedures Using Continuous Descent Final Approach Techniques A.I.13* CFIT 4: Guidance on the Establishment of a Flight Data Analysis Programme (FDAP) A.I.14* CFIT 5: Advisory Circular — Crew Resource	A.I.9* CFIT 1: Model Regulation on Ground Proximity Warning System (GPWS) A.I.10* CFIT 1: Advisory Circular — Guidance for Operators to Ensure Effectiveness of GPWS Equipment A.I.11* CFIT 1: Advisory Circular — Guidance for Operators on Training Programme on the use of GPWS A.I.12* CFIT 3: Model Advisory Circular — Instrument Approach Procedures Using Continuous Descent Final Approach Techniques A.I.13* CFIT 4: Guidance on the Establishment of a Flight Data Analysis Programme (FDAP) A.I.14* CFIT 5: Advisory Circular — Crew Resource	Iine





Ops Roadmap

Regional HRC 3: CFIT

Regional Goal I: Reduction	in Operational Risks
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GASP	Action	Custodian	Time-	Stakeholders	Metrics	Source/	Monitoring
SEI			line			Fulfils	Activity
Ops1	A.I.15* CFIT 6: Advisory Circular — Controlled Flight	SEI WG	2022	APRAST, SEI WG,	Implemen	GASP	RASG-APAC/
(CFIT)	into Terrain (CFIT) and Approach and Landing Accident			SRP WG,	tation		APRAST
	Reduction (ALAR) Training Programme			COSCAPs, ICAO-	levels A-D		Online SEI
	A.I.16* CFIT 7: Guidance for Air Operators in			APAC, other			monitoring tool
	Establishing a Flight Safety Documents System			regional platforms/			
	A.I.17* CFIT 8: Model Advisory Circular — Issuance of			bodies, States/			
	Terrain or Obstacle Alert Warning			Administrations.,			
Ops1	A.I.1* [duplicate] LOC 1, CFIT 2: Model Advisory			Industry/			
(CFIT);	Circular — Air Operators Standard Operating			Associations,			
Ops2	Procedures for Flight Deck Crewmembers			International			
(LOC-I)				Organisations,			
				APANPIRG			





Org Roadmap

Issue 1: Slow pace of implementation of RASG-APAC/ APRAST SEIs and tools to mitigate operational risks

Regional Goal I: Reduction in Operational Risks

Targets

T4*: States/ Administrations and industry to update the online SEI monitoring tools on their status of implementation of all applicable priority RASG-APAC/APRAST SEIs (Ops Actions) [by 2020]

T5: States/ Administrations with effective safety oversight capabilities (i.e. which have, or are expected to meet, GASP Goal 2 and have attained Level 4 SSP implementation), should actively lead RASG-APAC's safety risk management activities [from 2020 to 2022]

T6*: States/ Administrations should contribute information on safety risks, including SSP safety performance indicators (SPIs), to RASG-APAC [by 2022]

GASP	Action	Custodian	Time-	Stakeholders	Metrics	Source/	Monitoring
SEI			line			Fulfils	Activity
2.1.1	A.I.18* Review, implement (and	SEI WG	2022	APRAST, SEI	No. of States/	GASP, AP-	RASG-APAC/
SEI-3;	update the status of) priority			WG, States/	Administrations which	RASPAT	APRAST Online
2.1.2	RASG-APAC/ APRAST SEIs aka			Administrations,	have updated their		SEI monitoring
SEI-7;	AP-RASP Ops Actions			COSCAPs,	implementation status on		tool
3.1				Industry	RASG-APAC/ APRAST		
SEI-					Online SEI monitoring tool		
2C;							
3.1							
SEI-3							
(A.B)							





Org Roadmap

Issue 1: Slow pace of implementation of RASG-APAC/ APRAST SEIs and tools to mitigate operational risks

Regional Goal I: Reduction in Operational Risks												
GASP SEI	Action	Custodian	Time-	Stakeholders	Metrics	Source/	Monitoring					
			line			Fulfils	Activity					
2.1.1 SEI-3;	A.I.19 Enhance the current	SEI WG	2022	APRAST, SEI	Completion of review and	GASP	Progress report					
2.1.2 SEI-7	methodology for the tracking of			WG, SRP WG	enhancement of tracking		to APRAST and					
	RASG-APAC/ APRAST SEI				methodology;		RASG-APAC					
	implementation, and introduce				Introduction of indicators		meetings					
	indicators and targets to measure				and targets to measure							
	the implementation and				effectiveness of							
	effectiveness thereof;				implementation							
	disseminate the results to											
	Directors General											
2.1.1 SEI-3;	A.I.20 Develop an inspector	To be		APRAST, SEI	Completion of	GASP,						
2.1.2 SEI-7;	competency building framework,	determined		WG, SRP WG,	framework;	DGCA-						
3.1 SEI-3	and any new RASG-APAC/	by APRAST		States/	New SEIs introduced to	APAC/55						
(A,B)	APRAST SEIs for urgent risks			Administrations	address urgent risks							





Org Roadmap

Issue 1: Slow pace of implementation of RASG-APAC/ APRAST SEIs and tools to mitigate operational risks
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	Regional Goal I: Reduction in Operational Risks												
GASP SEI	Action	Custodian	Time-	Stakeholders	Metrics	Source/	Monitoring						
			line			Fulfils	Activity						
2.2 SEI-16	A.I.21 Develop a more precision/	SEI WG	2022	APRAST, SEI	Completion of	GASP,	Progress report						
	targeted approach of prioritisation			WG, COSCAPs,	prioritisation approach	APRAST/1	to APRAST and						
	of existing RASG-APAC/			States/		3	RASG-APAC						
	APRAST SEIs for implementation			Administrations,			meetings						
	(by sub-region or common-			Industry									
	issue/risk States/ Administrations)												



Org Roadmap

Issue 2: Lower El scores for all categories as compared to global average, namely

- CE-8 on Resolution of safety concerns (CE-8),
- CE-4 on Technical personnel qualifications and training,
- CE-7: Surveillance Obligations
- Aircraft and incident investigation (AIG),
- Aerodrome and ground aids (AGA), and
- Air navigation services (ANS)

Regional Goal II: Improvements to safety oversight and compliance

Targets

T7: Conduct workshops and seminars relating to ANS, AIG, AGA at least yearly [from 2020 to 2022]

T8*: Endeavour to have no Significant Safety Concerns (SSCs) under the USOAP Continuous Monitoring Approach (CMA), and to resolve any SSCs promptly within the time frame specified in the Corrective Action Plan and agreed to by ICAO [from 2020 to 2022]

T9*: Increase the number of IOSA registered APAC airlines and ISAGO registrations by 50% over July 2016 figures (82 and 51 respectively) [by 2022]
T10*: States to progressively enhance safety oversight capability to achieve at least 75% EI in USOAP CMA, and to achieve an APAC average overall USOAP EI score higher or equal to the global average [by 2022]

T11*: States should reach a safety oversight index greater than 1 in all categories [by 2022]





Org Roadmap

Issue 2: Lower El scores for all categories as compared to global average

Regional Goal II: Improvements to safety oversight and compliance

GASP SEI	Action	Custodian	Time-	Stakeholders	Metrics	Source/	Monitoring
			line			Fulfils	Activity
2.1.1 SEI-	A.II.1 Conduct workshops and	To be determined	2020-	APRAST, COSCAPs,	No. of workshops	GASP	Progress
1;	courses to promote effective	by APRAST	2022	PASO, ICAO-APAC,	conducted on		report to
2.1.2 SEI-6	implementation of SARPs,			States/	areas of ANS,		APRAST and
	especially in the technical areas			Administrations	AIG, AGA		RASG-APAC
	of ANS, AIG, AGA						meetings
2.1.1 SEI-	A.II.2* Establish, enhance and	APAC COSCAPs		COSCAPs, PASO,	No. of qualified	GASP,	-
5;	populate COSCAP and RSOO			States/	technical experts	APAC	
2.1.1 SEI-9	technical experts databases			Administrations	populated in	COSCAPs	
					database		
3.1 SEI-7	A.II.3* Encourage IATA, IOSA	IATA		APRAST, Industry,	No. of IOSA and	GASP, AP-	
(C,D,E,F)	and ISAGO registrations			States/	ISAGO	RASPAT	
				Administrations	registrations		
				Auministrations	registiations		





Org Roadmap

Issue 2: Lower El scores for all categories as compared to global average

Regional Goal II:	Improvement	ts to safety	√oversight	and compl	iance
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						L.	<u> </u>
GASP SEI	Action	Custodian	Time-	Stakeholders	Metrics	Source/	Monitoring
			line			Fulfils	Activity
NA	A.II.4* GEN: Standardized	SEI WG	2022	APRAST, SEI WG,	Implementation	Beijing	RASG-APAC/
	Capacity Building Programme			SRP WG, COSCAPs,	levels A-D	Declaration	APRAST
				ICAO-APAC, other			Online SEI
				regional platforms/			monitoring
				bodies, States/			tool
				Administrations,			
				Training			
				Organisations			





Org Roadmap

Issue 3: Slow pace of SSP implementation, as well as understanding of newer safety management and performance-based concepts

Regional Goal III: Effective SMS and SSP

Targets

T12*: States should attain L3 SSP implementation [by 2022]

T13*: States should develop national aviation safety plans [by 2022]

	110 . Otatos sindula develop national aviation safety plans [by 2022]											
GASP SEI	Action	Custodian	Time-	Stakeholders	Metrics	Source/	Monitoring					
			line			Fulfils	Activity					
2.2 SEI-10;	A.III.1* Support the robust	To be	2020-	DGCA-APAC, RASG-	No. of SSP-related	GASP,	Progress					
2.2 SEI-11;	implementation and	determined	2022	APAC, APRAST, SEI	courses/ workshops	AP-	report to					
2.2 SEI-12;	continuous improvement of	by APRAST		WG, SRP WG, APAC-	conducted for region	RASPAT	APRAST and					
3.1 SEI-7	SMS and SSP			AIG, COSCAPs, PASO,	(not including		RASG-APAC					
(C,D,E,F)				ICAO-APAC, other	domestic);		meetings					
				regional platforms/	No. of States							
				bodies, States/	participated in							
				Administrations, Industry	workshop							





Org Roadmap

Issue 3: Slow pace of SSP implementation, as well as understanding of newer safety management and performance-based concepts

Regional Goal III:	Effective SMS and SSP
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GASP SEI	Action	Custodian	Time-	Stakeholders	Metrics	Source/	Monitoring
			line			Fulfils	Activity
2.2 SEI-11;	A.III.2 Improve the sharing	ICAO APAC	2020-	RASG-APAC, APRAST,	No. of SSP-related	GASP,	Progress
3.1 SEI-1	of best practices in safety	RO	2022	APAC-AIG, COSCAPs,	sharing sessions/	AP-	report to
(C,D);	management, safety data			ICAO-APAC, other	presentations;	RASPAT,	APRAST and
3.1 SEI-7	and analyses among			regional platforms/	No. of SSP areas	Beijing	RASG-APAC
(C,D,E,F)	regional platforms			bodies, APANPIRG	covered;	Declaratio	meetings
	including APANPIRG Sub-				No. of States which	n	
	groups via RASG-APAC				presented		
2.2 SEI-11	A.III.3* Support the			ICAO HQ, ICAO-APAC,	No. of States who		
	development of NASPs			APRAST, States/	have published their		
				Administrations	NASP		





Org Roadmap

Issue 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

Regional Goal IV: Data-driven regulatory oversight

Targets

T14 Develop a regional mechanism for data collection, analysis and sharing [by 2020]

T15* Pursue a 50% increase in participation in flight data sharing initiatives by APAC air operators, with aircraft of mass 27,000kg above, over July 2016

figures (15) [by 2020]

GASP SEI	Action	Custodian	Time-	Stakeholders	Metrics	Source/	Monitoring
			line			Fulfils	Activity
2.1.1 SEI-5;	A.IV.1* Establish a mechanism to	To be	2022	APRAST, SRP WG,	Completion of	GASP	Progress report
2.1.2 SEI-9	collect and analyse SSP SPI data	determined by		COSCAPs, ICAO-	mechanism		to APRAST
	from APAC States and common	APRAST		APAC, States/			and RASG-
	industry indicators			Administrations,			APAC
	-			Industry			meetings
2.2 SEI-13;	A.IV.2 Establish and populate a	SEI WG	2021	APRAST, SRP WG,	Completion and	GASP,	_
3.1 SEI-4C;	Regional Risk Register			COSCAPs, States/	population of risk	APRAST	
3.1 SEI-7				Administrations,	register		
(C,D,E,F)				Industry	-		





Org Roadmap

Issue 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

Regional Goal IV: Data-driven regulatory oversight

GASP SEI	Action	Custodian	Time- line	Stakeholders	Metrics	Source/ Fulfils	Monitoring Activity
2.2 SEI-14	A.IV.3 Develop guidance on governance framework for cross-border aviation safety data sharing projects (including G2B/third party involvement, funding, liability, info security/protection)	To be determined by APRAST	2021	APRAST, COSCAPs, States/ Administrations	Completion of governance framework	GASP	Progress report to APRAST and RASG- APAC meetings
2.2 SEI-14; 2.2 SEI-15	A.IV.4* Establish a mechanism for regional aviation safety data collection and sharing and support States'/ Administrations' participation in regional aviation safety data-sharing projects			APRAST, States/ Administrations, Industry	Launch of mechanism	GASP, AP- RASPAT	





Org Roadmap

Issue 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

Regional Goal IV: Data-driven regulatory oversight

GASP SEI	Action	Custodian	Time-	Stakeholders	Metrics	Source/	Monitoring
			line			Fulfils	Activity
2.2 SEI-16;	A.IV.5 Develop a more data-	SRP WG	2022	APRAST, SEI WG,	Completion of	GASP,	Progress report
3.1 SEI-4C;	driven, precision-/ targeted			SRP WG, COSCAPs,	approach	Beijing	to APRAST
3.1 SEI-7	approach of identifying risks (by			States/ Administrations,		Declaratio	and RASG-
(C,D,E,F)	sub-region or common-issue/risk			Industry		n	APAC
	groups of States/						meetings
	Administrations)						





Org Roadmap

Issue 5: Increasing risks associated with airspace congestion, and the lack of appropriate infrastructure to support safe operations; lack of capacity of regulatory authorities

Regional Goal V: Enhanced aviation infrastructure (physical and institutional)

Targets

T16* States should achieve at least 75% EI in AGA of USOAP CMA, and an APAC average USOAP EI score in AGA higher or equal to the global average [by 2022]

T17* States should achieve at least 75% EI in AIG of USOAP CMA, and an APAC average USOAP EI score in AIG higher or equal to the global average [by 2022]

T18* Certify all aerodromes the APAC region that are used for international operations [by 2022]

T19* States should establish an independent accident and incident investigation authority (AAIIA) as required by Annex 13, as well as related investigation system and procedures [by 2022]

	invocagation cyclom and procedures [by 2022]										
GASP SEI	Action	Custodian	Time-	Stakeholders	Metrics	Source/	Monitoring				
			line			Fulfils	Activity				
2.1.1 SEI-4;	A.V.1 Integrate the existing	APRAST	2020-	APRAST, SEI WG,	Completion of documented	GASP	Progress report				
2.1.2 SEI-8	basic building blocks of		2022	SRP WG, APAC-AIG,	clear lines and procedures for		to APRAST and				
	RASG-APAC/ APRAST			COSCAPs, ICAO-	communication of respective		RASG-APAC				
	towards the envisioned			APAC	types of data/ information		meetings				
	safety data collection and				between APRAST and other						
	processing system				regional groups						
	(SDCPS) for the APAC										
i	region										





Org Roadmap

Issue 5: Increasing risks associated with airspace congestion, and the lack of appropriate infrastructure to support safe operations; lack of capacity of regulatory authorities

Regional Goal V: Enhanced aviation infrastructure (physical and institutional)

GASP SEI	Action	Custodian	Time- line	Stakeholders	Metrics	Source/ Fulfils	Monitoring Activity
2.1.1 SEI-4;	A.V.2 Enhance the terms of	ICAO APAC	2020	APRAST, SEI WG,	Completion of review	GASP,	Progress report
2.1.2 SEI-8	reference (TORs) of various	RO		SRP WG, APAC-AIG,	and revision of TORs	Regional	to APRAST and
	regional bodies using a TOR			COSCAPs, ICAO-		Cooperati	RASG-APAC
	framework			APAC		on	meetings
						Mechanis	
						m Task	
						Force	
2.1.1 SEI-4;	A.V.3 Improve the communication			DGCA-APAC, RASG-	Completion of	GASP	
2.1.2 SEI-8	of activities and coordination of			APAC, APRAST, SEI	documented clear lines		
	schedules among regional bodies			WG, SRP WG, APAC-	and procedures for		
	and meetings, regional			AIG, COSCAPs, ICAO-	communication of		
	workshops/ courses, e.g. via a			APAC, other regional	respective events;		
	one-stop calendar of regional			platforms/ bodies,	completion of regional		
	events			States/ Administrations,	one-stop calendar		
				Industry			





Org Roadmap

Issue 5: Increasing risks associated with airspace congestion, and the lack of appropriate infrastructure to support safe operations; lack of capacity of regulatory authorities

Regional Goal V: Enhanced aviation infrastructure (physical and institutional)

GASP SEI	Action	Custodian	Time-line	Stakeholders		Source/	Monitoring
						Fulfils	Activity
2.1.1 SEI-5;	A.V.4* Establish a means for	To be	2020	APRAST,	Completion of information	GASP	Progress report
2.1.2 SEI-9	States/ Administrations to	determined by		COSCAPs, ICAO-	sharing channels/ platform;		to APRAST and
	informally share information	APRAST		APAC, States/	completion of directory of		RASG-APAC
	and coordinate on operational			Administrations	appropriate CAA contact		meetings
	issues in the USOAP Audit				points for various areas and		
	Areas of OPS, ANS and AGA				associated procedures to		
					update the directory		
2.2 SEI-10;	A.V.5 Enhance the websites of	ICAO APAC	2021	ICAO-APAC,	Completion of review and	GASP	
3.1 SEI-7	various regional platforms,	RO		COSCAPs, other	revision to websites and		
(C,D,E,F)	consolidate information on			regional platforms/	information platforms		
	activities, and enhance related			bodies			
	links among platforms						





Org Roadmap

Issue 5: Increasing risks associated with airspace congestion, and the lack of appropriate infrastructure to support safe operations; lack of capacity of regulatory authorities

Regional Goal V: Enhanced aviation infrastructure (physical and institutional)

GASP SEI	Action	Custodian	Time-	Stakeholders		Source/ Fulfils	Monitoring Activity
(F)	A.V.6* Implement safety-related initiatives from the APAC Seamless ANS Plan^ in a timely manner, as applicable	APANPIRG	2020- 2022	ICAO-APAC, States/ Administrations	No of States which have implemented safety-related	AP-RASPAT, APAC Seamless ANS Plan	APANPIRG and SubGroups meeting reports
	A.V.7* Establish an independent accident and incident investigation authority (AAIIA) as required by Annex 13, as well as related investigation system and procedures	APAC-AIG	2022	,	have established their		Progress report to APRAST and RASG-APAC meetings





Implementation Timeline

2019	2020		2021		2022		
	Targets: T1-T	3					
	Actions: A.V	'.2-	Actions:	A.IV.2-	Actions:	A.I.1-	
	A.V.4, Targets : ∃	Г4,	A.IV.4, A.V.	5	A.I.21,	A.II.4,	
	T14-T15				A.IV.1,	A.IV.5,	
					A.V.7,	Targets:	
					T6, T9-T	13, T16-	
					T19		
	Actions: A.II.1-A.II.3, A.III.1-A.III.3, A.V.1, A.V.6, Targets: T5,						
			T7-T	8			







Implementation of AP-RASP Actions

Ops Actions



Essentially the existing Outcomes of the Safety Enhancement Initiatives (SEIs) developed by RASG-APAC/ APRAST



SEI WG remains overall Custodian

Org Actions



Action Custodians to lead and assign implementation work to rest of the group of identified stakeholders for that Action

APRAST to appoint Action Custodians for Org Actions A.I.20, A.II.1, A.III.1, A.IV.1, A.IV.3, A.IV.4, A.V.4 from among the group of stakeholders identified in AP-RASP



ICAO-APAC Office to disseminate ORG Actions to relevant region platforms/ mechanisms, as appropriate, to include in their **Workplans**, and request Custodians and respective identified stakeholder groups to further develop **specific** implementation details and timeline for their respective Actions





Roles and responsibilities of Custodians

- ICAO-APAC Office to be AP-RASP Administrator
 - Oversee implementation progress of AP-RASP Actions and achievement of Targets
 - ➤ Include AP-RASP Actions in yearly Workplans of APRAST and other ICAO regional platforms and mechanisms
 - ➤ Advise on available Mechanisms/ Tools to facilitate implementation of Actions
- APRAST Co-Chairs to lead AP-RASP efforts
 - > Oversee that top APAC safety risks and challenges are addressed (esp. emerging issues with high and widespread impact), and ensure achievement of objectives and Targets
 - > Present proposed revisions to AP-RASP, following APRAST endorsement, for approval by RASG-APAC
 - > Present proposed revisions to AP-RASP, for APRAST endorsement, followed by RASG-APAC approval
- SRP WG to track achievement of AP-RASP Targets
 - Develop second-order indicators, as appropriate, to measure and track progress of the achievement of Targets
 - Prepare a progress report for every APRAST and RASG-APAC meeting





Roles and responsibilities of Custodians

- SEI WG to remain overall Custodian for Ops Actions and track implementation of Org and Ops Actions
 - > Develop clearer guidelines for States/ Administrations to indicate their implementation status for each Ops Action
 - > Develop indicators to track and analyse relevance and effectiveness of Org and Ops Actions
 - Track and analyse the progress of implementation of Org and Ops Actions
- Action Custodians to lead implementation of respective Actions
 - > Appointed by APRAST to lead group of stakeholders identified in AP-RASP for individual Org Actions
 - > Develop specific details and timeline for implementation of Org Actions
 - > Provide updates to SRP WG and ICAO-APAC Office on the progress status of their Org Actions





Roles and responsibilities of Custodians

- COSCAPs and PASO to support their respective States with implementation of AP-RASP and its Actions
- Ad-hoc WG to be dissolved after publication of AP-RASP; new group to be formed to review and develop AP-RASP for next triennium
- Regional platforms and mechanisms to incorporate relevant Actions in their respective annual workplans, as applicable





Using AP-RASP to customise NASP

- States are recommended to establish their NASPs, taking into account AP-RASP and GASP
- AP-RASP as a recommended guideline to customize their NASPs
 - States which are ready to develop their NASP should take reference from the AP-RASP
 - States which are not ready are recommended to implement the relevant AP-RASP Actions that are reflective of their industry and operational context
- Where possible, model NASP structure after AP-RASP for comprehensiveness
 - ➤ Follow seven-step process (paras 3.5.1 to 3.5.8 of GASP)
 - Refer ICAO's 'Guidance for drafting the NASP' and 'NASP template'





AP-RASP Actions and Targets for NASPs

- Identify which GASP and AP-RASP top risks and key challenges apply to national context, and add others which are unique to their operational context, if applicable
 - Conduct an assessment of number of operational safety risks that can be managed, and prioritise them according to safety risk management process
- Below AP-RASP Actions and Targets are for inclusion in NASPs, as these are intended for implementation by States in their national context

AP-RASP Actions	AP-RASP Targets
A.I.1-A.I.18 (as prioritised and customised to each States' unique operational context)	T1-T5, T7, T9-T14, T16-T20

- Also consider including GASP SEIs applicable to States and Industry (domestic) and other national priorities
 - Detail Ops and Org roadmaps
 - Develop method of measuring the progress of any initiative



Links between NASP, GASP and AP-RASP & Mapping

- Include, wherever appropriate, specific references to the GASP and AP-RASP for any adopted or adapted content
 - > Especially for safety risks, challenges, Actions and Targets
 - ➤ Indicate NASP Chapter/ Sub-Chapter numbers, or page numbers, or and paragraph numbers
- Use mapping template to demonstrate these links
 - > Provided in Appendix K of AP-RASP; refer to Appendix F for an example of mapping template of RASP to GASP guidelines)

Cha	pter 4 'Guidance for drafting the NASP'	Location(s)
	4.3.1 Introduction	
a)	Overview of the NASP, including its structure	e.g. Chapter 1.1
b)	State's commitment to aviation safety and to the resourcing of activities to enhance safety	e.g. Chapter 2.1
	through a statement signed by a senior aviation representative	
c)	Links between NASP and SSP or safety oversight (if no SSP); expected date for full	e.g. Chapter 3.3,
	implementation of SSP	Appendix A





Risks and challenges for implementation

- Successful implementation of RASP Actions will require
 - commitment of resources from stakeholders within States.
 - availability of data to effectively monitor the achievement of NASP Targets
 - proper project governance and coordination

Project Risks	Mitigation measures
Lack of understanding of the expectations of	APRAST leadership team to provide additional clarification on the
the AP-RASP Actions	expectations of the Actions
Limited manpower and financial resources to	APRAST leadership team and WGs to provide support, either
fully implement AP-RASP Actions or develop	directly or through the partial delegation of responsibility to other
indicators to and keep track of implementation	APRAST members
of Actions and achievement of Targets	
Lack of relevant skills and knowledge to	APRAST WGs to collate relevant documentation/ educational
effectively implement and monitor targets and	material to support development of skills and knowledge where
indicators at a regional level	these are inadequate





Risks and challenges for implementation

Project Risks	Mitigation measures
Lack of timely, consistent, quality data and	APRAST WGs to collate relevant documentation/ educational material
systems to support monitoring of targets	to support development of quality data collection mechanisms and
and indicators	monitoring of targets and indicators.
	All stakeholders should contribute data and information as and when
	required, or otherwise communicate reason(s) for not being able to do
	so, so that such reasons can be addressed.
Inefficient approval processes (only 2	Inter-session meetings and/or correspondences may be required to
APRAST and 1 RASG-APAC meetings	expedite decisions where lack of such decisions impacts timely
annually) for Actions which require swifter	implementation of the AP-RASP Actions
decision-making and actions	
Lack of coordination and cooperation	APRAST to establish formal communication mechanisms to ensure
between Administrator, Custodians and	coordinated effort to support information flow and encourage
Stakeholders	cooperation between stakeholders





AP-RASP Progress: Monitoring & Tracking

Actions

- Ops Actions: Make Online Monitoring Mechanism available and accessible to all APAC States/ Administrations, and develop clearer guidelines on indicating implementation status
- Org Actions: Collate status of progress of implementation from meeting reports of respective regional platforms/ mechanisms, and/ or Custodians of respective Actions
- Develop indicators to gauge the **relevance and effectiveness** of the Org and Ops Actions

Targets

 Develop second-order milestones/ indicators, as well as further operational safety performance indicators not already covered by Targets, to measure and track reduction of top APAC risks and challenges and overall safety improvement in APAC region

Reporting

- Report at every APRAST and RASG-APAC meeting
 - Brief overview of the overall implementation of the AP-RASP
 - > Analysis on delay/ challenges encountered in implementation of Actions
 - If regional safety goals and targets are not met, causes will be addressed and presented to relevant stakeholders





Lo

Sample Monitoring Tools for SEI, NASP Implementation & RASP/GASP Mapping

NASP

RASP

SEI



Implementation Monitoring Tools of NASP Implementation Status

Reference: APRAST Conclusion 5/7, RASG-APAC 4/23 and APRAST Decision 6/3

STATUS OF IMPLEMENTATION

A = UNDER REVIEW (%) B = IMPLEMENTATION STATUS BY STATE (%) C = IMPLEMENTATION STATUS BY OPERATOR (%) D = ALL ACTIONS COMPLETED (

SL	NASP CHECK LIST	ANS – YES/NO OR, N/A	NASP REF	■ AFG	₩ AUS	■ BGD	<u></u> ■ BTN	BRN	Ж КНМ	CHN	★ HKG	▲ MAC	≝ ⊚ CKI
0	Status												
1	4.3.1 - Does it provide an overview of the NASP, including its structure (chap, sec and content)?	In Progress	4.3.1 a)		A (0%) B (25%) C (50%)	Ø				Ø	Ø	0	
2	Does it note the State's commitment to aviation safety and to the resourcing of activities at the national level?	In Progress	4.3.1 b)		A (25%) B (25%) C (25%)	A (50%)				A (100%)	Ø	A (100%) B (0%)	
3	Does it describe how the NASP is linked to the SSP or how the NASP is linked in the absence of a fully implemented SSP?	In Progress	4.3.1 c)		0	Ø				A (100%)	0	A (100%) B (100%)	





Review Mechanism

<u>Initiation of Review</u>

- [**New Edition**] ICAO APAC Office to remind RASG-APAC Co-Chairs to task APRAST to review AP-RASP and develop new Edition for next triennium
 - > AP-RASP Ad-hoc WG to be formed for the purpose
 - > To be indicated as new Edition for next triennium
- [Ad-hoc amendment] If new critical regional issues are identified and reasonable measures are required to mitigate the safety risks as soon as practicable
 - > To be indicated as revised Edition





