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INTERNATIONAL CIVIL AVIATION ORGANIZATION

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Introduction to APAC - Regional Aviation Safety Plan (AP-RASP)

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Presented by Ang Ruiyi
Principal Manager (Safety Assurance)
Civil Aviation Authority of Singapore

On behalf of

Susantha DeSilva
Regional Officer
Safety Implementation
sdesilva@icao.int
apac@icao.int

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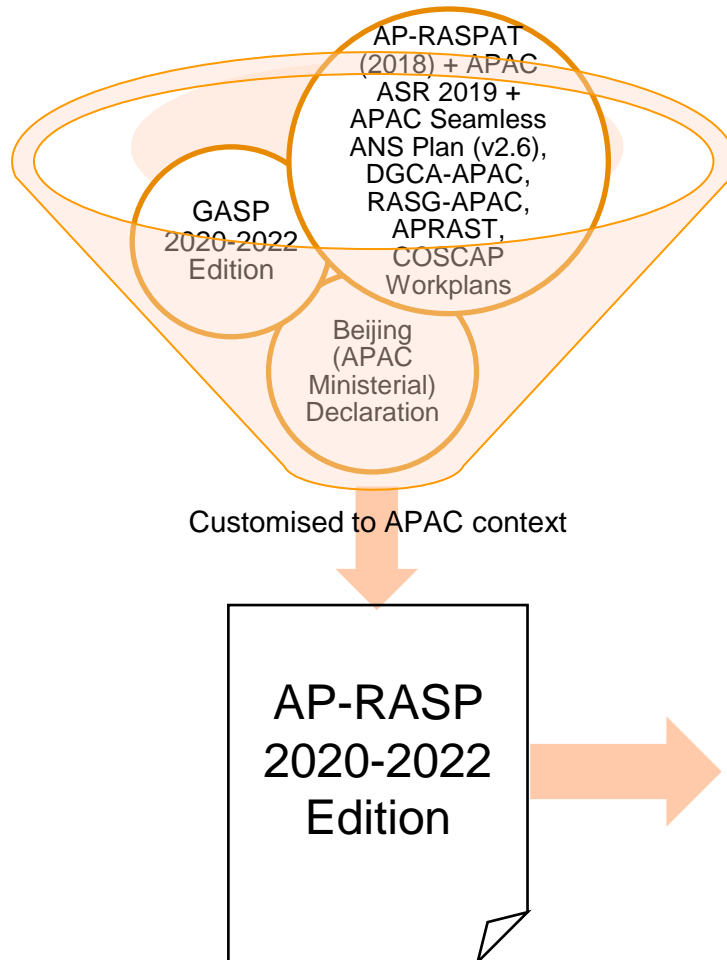
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AP-RASP Overview

- Regional Strategy and Action Roadmap Document
 - Strategic direction of the APAC Region for aviation safety
 - Prescribes mechanism for continuous enhancement of safety
 - Supplemented by two implementation roadmaps
- Regional safety issues, safety goals, targets, indicators
- Safety enhancement initiatives (SEIs)
- Effective Implementation of safety oversight systems
- Risk-based approach to regional-level safety management
- Collaboration – States, RSOO, RAIO, regional/international orgs, industry

AP-RASP Overview



Key changes:

- a) Maintain the foundation of the RASP (i.e. GASP and Beijing Declaration) and update to align with their latest editions
- b) Update operational risks as per the ASR 2022; include MAC as R-HRC
- c) Add resilience to disruption events such as COVID-19
- d) Remove reference to Safety Oversight Index
- e) Maintain the five regional goals

AP-RASP Overview

- Top Regional Risks and issues, 5 Regional Goals
- 40 Actions in 2 Roadmaps
- 18 Targets

Top regional risks and issues; 5 Regional Goals

- Top regional organisational or systemic risks and operational safety risks as identified by APAC Annual Safety Report 2022 +
- Top safety-related challenges and areas that require action to enhance safety in APAC region as identified in ICAO APAC meetings and reports
- 5 Regional Goals supporting GASP aspirational 2030 goal of zero fatalities on scheduled commercial flights

40 (23 Org and 17 Ops) Actions in respective Roadmaps

- Address APAC top regional risks and key safety challenges
- Org Actions help implement AP-RASP and are aligned with and fulfil SEIs in GASP 2023-2025 and ICAO Doc 10161 GASP Roadmap, Beijing Declaration, SCBP and APAC Seamless ANS Plan, as well as related key work items arising from DGCA-APAC and RASG-APAC/ APRAST meetings
- Ops Actions are the existing 17 RASG-APAC/ APRAST SEIs

18 (15 Org and 3 Ops) Targets

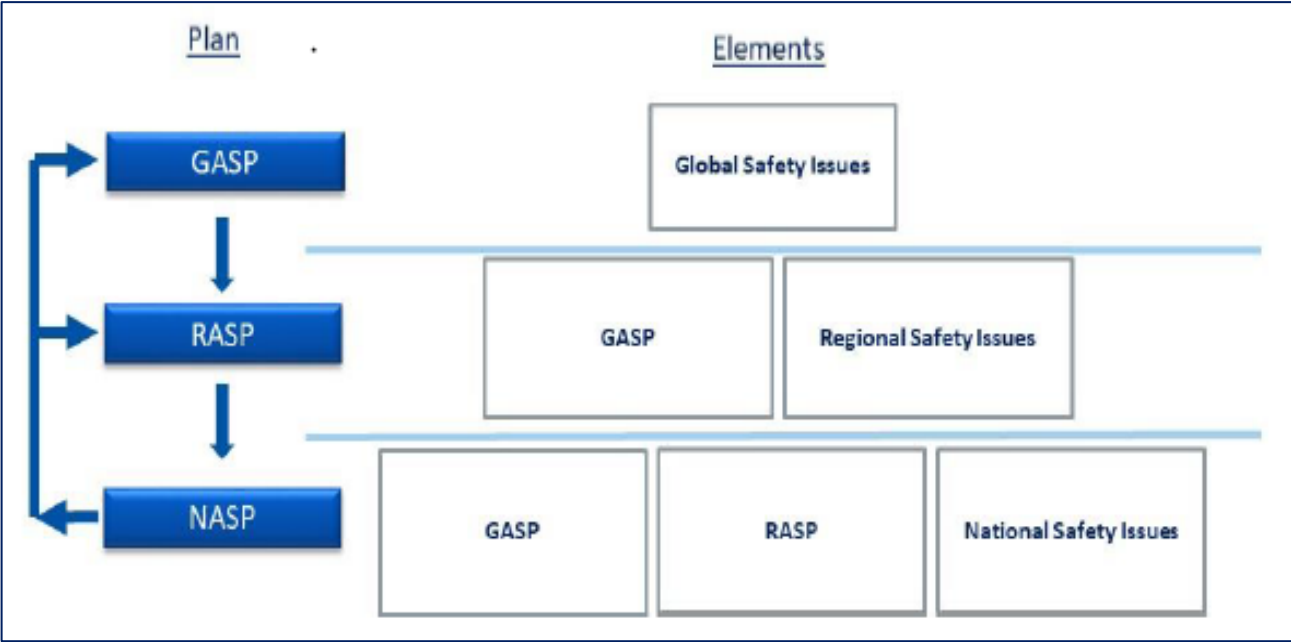
- Measure implementation and effectiveness of AP-RASP Actions and outcomes, and safety improvement
- Selected to ensure a balanced focus on organisational or systemic improvements and addressing operational safety risks
- Aligned with and fulfil Targets in GASP 2023-2025 and Beijing Declaration

AP-RASP Overview

Strategic Direction – Two Pillars:

- Enhance existing regional mechanisms, establish effective safety oversight/management capabilities
 - Integrate and refine existing APAC platforms/bodies, APRAST SEIs, implementation monitoring mechanisms, APAC Annual Safety Report
 - Strengthen and leverage regional mechanisms including COSCAPs to provide resources, expertise and training to APAC States
 - Improve scheduling and streamline safety-related events/activities
 - Improve communication and sharing of safety information/data between APAC States
- Address operational risks effectively and establish effective safety management
 - Focus on implementing APRAST SEIs and SCBP, APAC Seamless ANS Plan in a more targeted and customized manner

Relationship GASP – AP-RASP – NASP



References:

- *Manual on the Development of Regional and National Aviation Safety Plans* (ICAO Doc 10131)
- *Manual on Monitoring Implementation of Regional and National Aviation Safety Plans* (Doc 10162)

2023	2024	2025
Actions: A.I.1-A.I.17 Targets: T1-T3		
	Actions: A.III.3 A.V.3 Targets: T11, T12	Actions: A.I.18-A.I.21, A.II.4-A.II.5, A.IV.2, A.IV.3-A.IV.4 A.IV.5, A.V.2, A.V.4, A.V.6-A.V.7 Targets: T4-T6, T9, T11, T13-T18
Actions: A.II.1-A.II.3, A.III.1-A.III.2. A.V.1 Targets: T5, T7-T8		

States’ NASPs should include relevant AP-RASP Actions which support the achievement of AP-RASP 2023-2025 Targets



Goals, Targets and Indicators

- Approach:
 - Focus on the most important safety areas for the APAC region (LOC-I, RS, CFIT; potentially MAC), based on analysis of regional data by SRP WG's IAT
 - Maintain effective, efficient safety strategy amid changing environment
 - Targets aim for systemic improvements and risk reduction, aligning with global and regional goals
- Forty Actions grouped under Operational (Ops) and Organizational (Org) action roadmaps, further grouped into five regional goals:
 - I. Reduction in operational risks (Ops and Org roadmaps)
 - II. Improvements in safety oversight and compliance (Org)
 - III. Consistent and effective SMS and SSP (Org)
 - IV. Data-driven regulatory oversight (Org)
 - V. Enhanced aviation infrastructure - physical and institutional (Org)

Goals, Targets and Indicators

AP-RASP Appendix A -

- Org and Ops Roadmaps contain the following details:
 - Regional HRC
 - Regional Goal
 - Targets
 - GASP SEI
 - Action
 - Action Custodian
 - Timeline
 - Stakeholders
 - Metrics
 - Source/fulfils
 - Monitoring Activity
 - * NASP considerations
 - Colour scheme: **ORG** **OPS**

Goals, Targets and Indicators

- Example: Regional High Risk Category Occurrence (HRC) – LOC-I

Regional HRC 1: LOC-I							
Regional Goal I: Reduction in Operational Risks Targets T1*: Maintain a 3-year moving average decreasing trend of fatal accidents per million departures T2*: Maintain a 3-year moving average decreasing trend of LOC-I-related accidents per million departures							
GASP SEI	Action	Action Custodian	Timeline	Stakeholders	Metrics	Source/ Fulfils	Monitoring Activity
Ops1 (CFIT); Ops2 (LOC-I)	A.I.1* LOC 1, CFIT 2: Model Advisory Circular — Air Operators Standard Operating Procedures for Flight Deck Crewmembers	SEI WG	2025	APRAST, SEI WG, SRP WG, COSCAPs, ICAO-APAC, other regional platforms/ bodies, States/ Administrations., Industry/ Associations, International Organizations, APANPIRG, PASO	Implementation levels A-D	GASP	RASG-APAC/ APRAST Online SEI 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						
	A.I.4* LOC 6: Guidance material on Upset Prevention and Recovery Training (UPRT) – ICAO Doc 10011 – ICAO Doc 9868 – Airplane UPRT Aid						

Table 1: Ops Actions and Targets associated with Regional HRC 1

Stakeholder Roles and Responsibilities

- AP-RASP Part II Chapter 5 - *Responsibilities*
 - Identifies the entities responsible for development, governance, implementation and monitoring of AP-RASP
 - Provides guidance to States to develop their NASP
- Key Stakeholders include:
 - ICAO APAC Regional Office (AP-RASP Administrator)
 - APRAST Co-Chairs
 - AP-RASP Standing Working Group (AP-RASP WG)
 - Safety Reporting and Programme Working Group (SRP WG)
 - Safety Enhancement Initiative Working Group (SEI WG)
 - COSCAPS and PASO
 - Action Custodians

Stakeholder Roles and Responsibilities

- AP-RASP Part II Chapter 5 – Responsibilities:
 - Identifies the entities responsible for development, governance, implementation and monitoring of AP-RASP
 - Provides guidance to States to develop their NASP
- For guidance on development of NASPs, refer to AP-RASP Section 5.2:
 - Eight step process and other guidelines from ICAO Doc 10131
 - Include AP-RASP Actions and Targets in Table 3 below, and relevant ones from GASP
 - Develop and use measurements for progress of initiatives as per ICAO Doc 10162
 - Include specific references to GASP and AP-RASP (refer to Appendix K of AP-RASP)

AP-RASP Actions		AP-RASP Targets
A.I.1-A.I.18 (as prioritized and customized to each States' unique operational context)	A.II.2-A.II.4, A.III.1, A.III.3, A.IV.1, A.IV.4, A.V.4, A.V.6-A.V.7	T1-T4, T6, T8-T13, T15-T18

Table 3. Actions and Targets of the AP-RASP 2020-2022 Edition to be included in APAC States' NASPs

Appendices

Appendix A – AP-RASP 2023-2025 Roadmaps

Appendix B – Ad-hoc Working Group members and contact details

Appendix C – *intentionally blank*

Appendix D – Key reference documents used to develop AP-RASP

Appendix E – GASP Org SEIs considered when developing AP-RASP

Appendix F – Mapping of key contents of AP-RASP to GASP guidelines

Appendices

Appendix G – Resources and tools to support AP-RASP Implementation

Appendix H – Process used to determine and prioritise top regional safety risks and other issues

Appendix I – Accidents and Serious Incidents in the APAC Region

Appendix J - Safety oversight capability in the APAC Region

Appendix K – Template for mapping of key contents of NASP to GASP and AP-RASP guidelines



Thank You!