ICAO Asia/Pacific Region

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—

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Asia/Pacific Regional Aviation Safety Plan – AP-RASP

AP-RASP Overview

Relationship GASP – RASP – NASP

Goals, Targets and Indicators (Implementation Roadmaps)

Stakeholder Roles and Responsibilities

Appendices
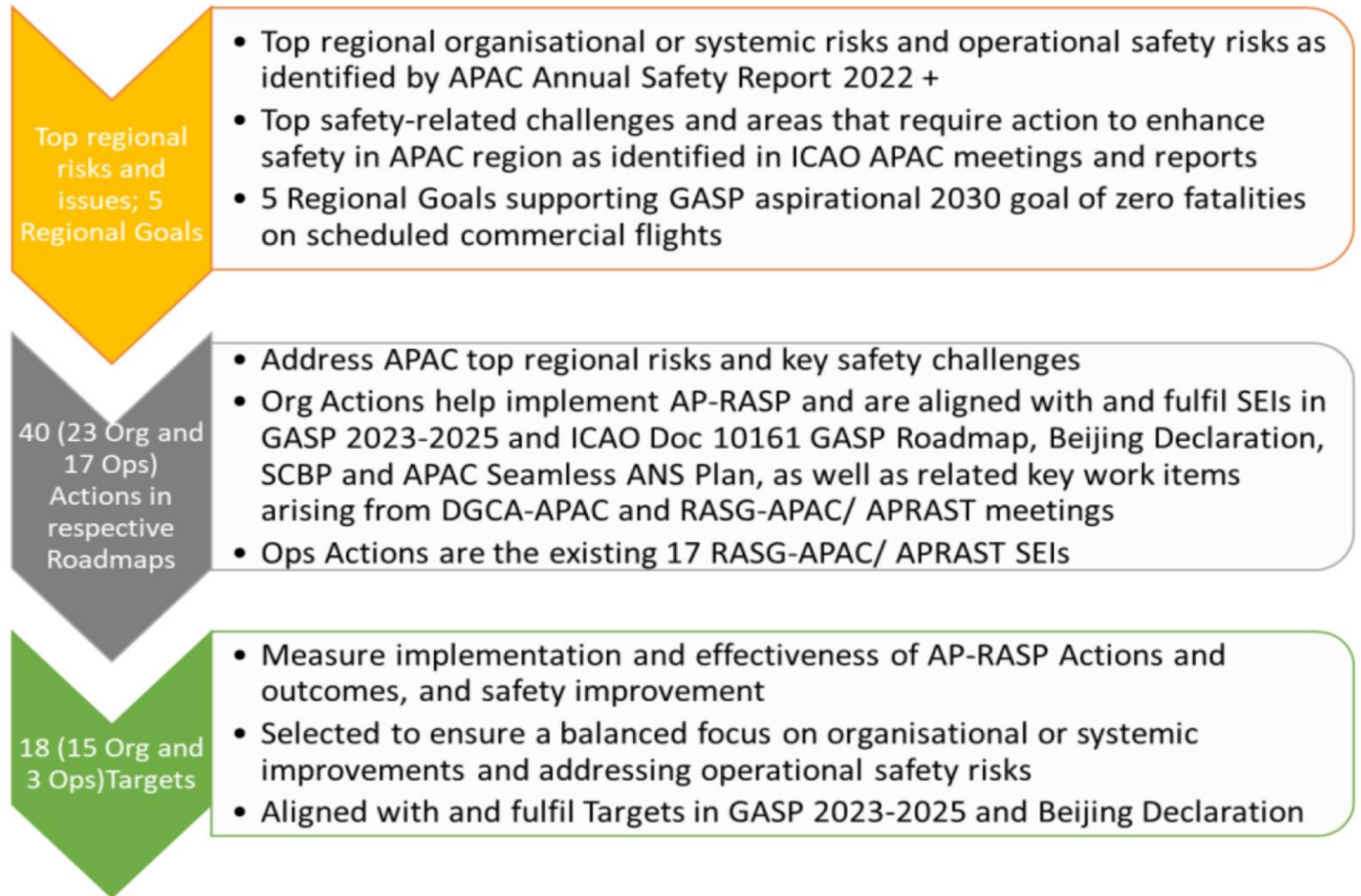
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AP-RASP Overview

AP-RASP 2023 – 2025

- Second edition (prev. 2020 – 2022)

- <u>Regional</u> Strategic Policy 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
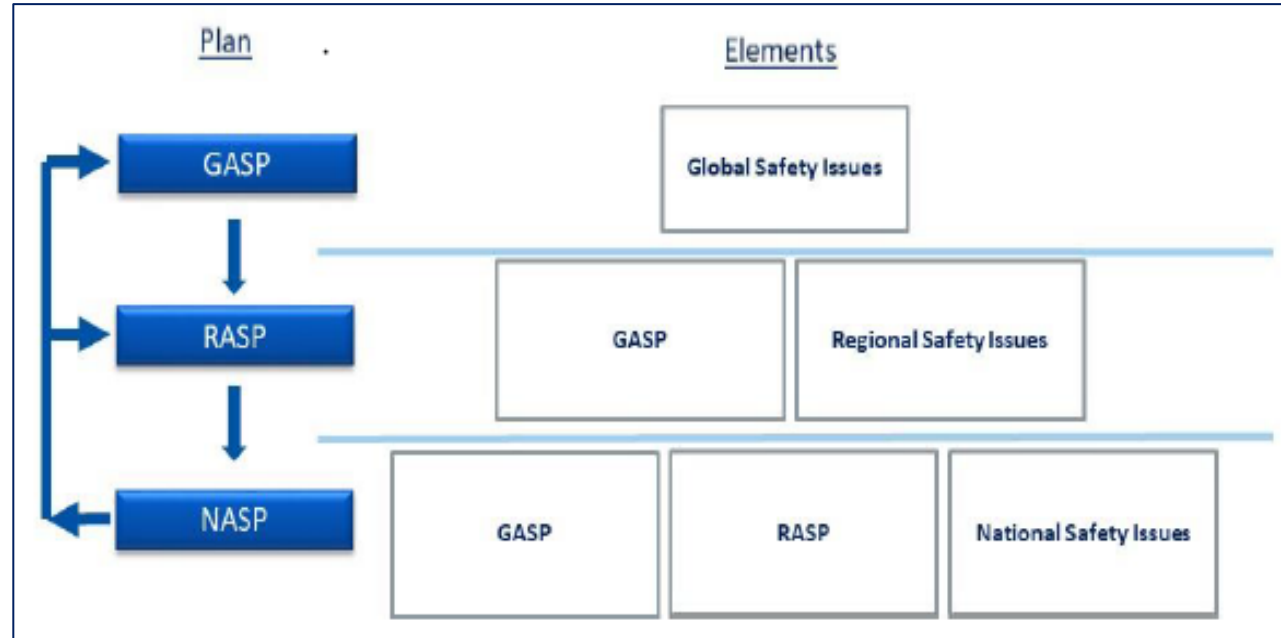
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AP-RASP Overview

AP-RASP 2023 – 2025 Summary

- Top Regional Risks and issues, 5 Regional Goals

- 40 Actions in roadmaps x 2

- 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

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Relationship GASP – AP-RASP – NASP

Reference:
Manual on the Development of Regional and National Aviation Safety Plans – ICAO Doc 10131

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

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Goals, Targets and Indicators

Strategic Approach

- Global and Regional High Risk Categories of occurrence

- Sustain effectiveness and efficiency in changing environments

Actions, 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)

NB: GASP Goal VI considered for future adoption.

Goals, Targets and Indicators

AP-RASP Appendix A -

- Details Org and Ops Roadmaps

- Regional Goals
- Targets
- GASP SEI
- Action
- Action Custodian
- Timeline

- Stakeholders
- Metrics
- Source/fulfils
- * NASP considerations
- Colour scheme ORG OPS

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Goals, Targets and Indicators

AP-RASP Appendix A -

- 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) Ops2 (LOC-I)	**A.I.1*** LOC 1, CFIT 2: Model Advisory Circular — Air Operators Standard Operating Procedures for Flight Deck Crewmembers **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	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

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

Responsibilities

- RASG-APAC

- ICAO APAC Regional Office (AP-RASP Administrator)

- APRAST Co-Chairs

- Safety Reporting and Programme Working Group (SRP WG)

- Safety Enhancement Initiative Working Group (SEI WG)

- COSCAPS and PASO

- AP-RASP Standing-WG

- Action Custodians

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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

Guidance

- AP-RASP Section 5.2

- Eight step process and other guidelines from Doc 10131

- Identification of project risks and mitigations

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

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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

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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

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Thank You!