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Discussion Paper :Flight Safety Foundation APAC REGIONAL RISK REGISTRY (AP-RR) FEASIBILITY STUDY

APRAST/26
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ASIA PACIFIC CENTRE FOR AVIATION SAFETY

Introduction

- A State Safety Program (SSP) is an integrated, regulatory framework established by a state to manage aviation safety, focusing on risk management, policy, assurance, and promotion. An integral part of Safety Risk Management requires that States retain a register of such as precursor events, to assess risk and determine necessary, data-driven safety improvements.
- The Global Aviation Safety Plan (GASP) and Asia Pacific Regional Aviation Safety Plan (AP-RASP), encourage the identification of safety risks.
- The limited availability of safety data and analysis has posed challenges in identifying and examining safety risks, Asia-Pacific needs to develop mechanisms to share precursor information across States/Administrations.
- The Asia-Pacific Regional Aviation Safety Plan (AP-RASP) 2026-2028, identifies systemic organizational issues, including limited collection, analysis, and sharing of safety data.
- Note the acknowledgement of FSF APAC Risk Registry feasibility study by the of the DGCA/61 Conference, as ACK-01.

Discussion: APAC Regional Risk Registry (AP-RR) objective

- The Asia Pacific Centre for Aviation Safety of the Flight Safety Foundation goal is to advance safety capabilities of industry and regulators in Asia Pacific aviation, by:
  - Enhance civil aviation safety performance;
  - Improve the safety capabilities of industry and State stakeholders
  - Share safety information and best practices and improve safety management processes to analyze and address safety issues.
- Based on the AP-CAS goals, the overall objective of the Flight Safety Foundation APAC Regional Risk Registry (AP-RR) project is to develop a Regional Register of precursor events by gathering data from existing State Safety Programs and normalizing the data.
- The Association of Asia Pacific Airlines (AAPA). Shares the same vision, supporting the initiative and, working jointly with the Foundation, providing a useful starting point for understanding regional priorities

Discussion: APAC Regional Risk Registry (AP-RR) project

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- The overall objective of this project is to develop a Regional Register of Precursor Events by gathering data from existing State Safety Programs and normalize the data to supports regional safety initiatives and planning, inform the work of Regional Aviation Safety Groups (RASGs), guide Regional Aviation Safety Teams (RASTs).
- The AP-CAS would become a trusted agent to collect and normalize the information and assemble the information into actionable recommendations for consideration by regional aviation safety bodies.
- The Risk Register will improve the picture of common operational risks in the Region that will allow the regional safety planning mechanism to better target and plan regional safety initiatives.
- The expected outcome of the feasibility study will be a proof of concept on a process to normalize, gather, aggregate and analyze a composite of risk-based information provided by States and industry partners into an overall regional risk register.

Action by the Conference

The Meeting is invited to:

- note the information presented in this Working Paper and the acknowledgement ACK-01 of the DGCA/61 Conference.

- encourage States and Industry partners to establish methodologies for gathering and aggregating risk-based information from States and Operators in the Asia Pacific aligned with ICAO/ADREP taxonomies and APRAST/AP-RASP structures to support interoperability and “lift” into SEIs/SSPs and operator SMS actions without translation;

- support regional cooperation on risk information sharing, to improve the picture of common operational risks that will allow the regional safety planning mechanism to better target and plan regional safety initiatives in the future, and

- recommend States and industry partners to gather risk register information in a centric regional risk register. by regional safety planning mechanisms and the study's consideration by APRAST/26 and RASG-APAC.

- agree to invite the Flight Safety Foundation and AAPA to present the AP-RR feasibility study to APRAST/26, for further consideration by RASG-APAC, with the outcome reported to DGCA/62.

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THANK YOU

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