



International Civil Aviation Organization
Asia and Pacific Office

ICAO

Eighteenth Meeting of the Asia Pacific Regional Aviation Safety Team (APRAST/18)

(Bangkok, Thailand, 20-24 June 2022)

Agenda Item 4: Presentations – State / Industry / ICAO

PERIODIC REVIEW OF SEI OUTPUTS

(Presented by SEI WG)

SUMMARY

Following the development of Safety Enhancement Initiatives (SEIs), the implementation of completed SEI outputs are then supported by APRAST members to reduce aviation risk. However, with the technological improvements and the increasing complexity of the operating environment, the completed SEI outputs may need to be revised or removed as it is important that the SEI outputs are current for realistic implementation by APRAST members to cope with the identified risk.

SEI WG conducts the periodic review of those current SEI outputs between every APRAST meeting and provides the result to APRAST meetings in order to ensure the currency of all completed SEI outputs are maintained.

Pursuant to the periodic SEI output review process and Decision APRAST 17/2, this paper reports the review result conducted by the SEI WG for 2 outputs of SEIs RI2 and LOC2/LOC4. This working paper also proposes the next batch of outputs to be reviewed after APRAST/18.

Action by the meeting is in Paragraph 3 of this Working Paper.

1. INTRODUCTION

1.1 Following the development of SEIs, the implementation of completed SEI outputs are then supported by APRAST members to reduce aviation risk. However, with the technological improvements and the increasing complexity of the operating environment, the completed SEI outputs may need to be revised or removed as it is important that the SEI outputs are current for implementation by APRAST members to cope with the identified risk.

1.2 Even though APRAST members can provide their feedback to RASG-APAC/APRAST Secretariat individually at any time as indicated in each SEI output, in order to ensure the RASG-APAC approved or endorsed SEI outputs remain current and valid for implementation. SEI WG concluded to conduct periodic review on SEI outputs by batch between every APRAST meeting and report to APRAST meetings. Currently, there are 28 APRAST Members States/Administrations and International/Regional Organisations¹ have joined the SEI WG. The priority on which SEI outputs to

¹ The 28 members of SEI WG are Australia, Bangladesh, Bhutan, Cambodia, China, Macao-China, Hong Kong-China, India, Indonesia, Japan, Lao, Malaysia, Mongolia, Nepal, Republic of Korea, Singapore, Thailand, AAPA, ACI, Airbus, CANSO, COSCAP-NA, COSCAP-SA, COSCAP-SEA, IATA, IFALPA, IFACTA and US CAST.

be reviewed will be based on the date of the creation of the SEI outputs and/or the information received from the SEI implementation survey. To facilitate the SEI outputs review, a standard review form is used for the group members to review each SEI output and provide their feedback accordingly.

1.3 As of APRAST/18, a total of 16 SEI outputs have been reviewed by the SEI WG and the results have been reported to APRAST and RASG-APAC meetings. RASG-APAC requests States/Administrations, International and Regional Organisations including COSCAPs in this region continue to support the work of SEI WG and provide experts and champions to assist the development of future Safety Enhancement Initiatives when needed.

2. DISCUSSION

2.1 In APRAST/17, the meeting agreed SEI WG to conduct the next periodic review for the outputs of SEI RI2 - Model Advisory Circular — Runway Incursion Prevention and Pilot Training and SEI LOC2/LOC4 - Guidance Material on Flight Crew Proficiency. As the Decision APRAST 17/2, SEI WG will report the review result back to APRAST/18.

2.2 Only 6 APRAST members (Cambodia, Hong Kong – China, Macao – China, Singapore, Thailand, and US CAST) from the SEI WG completed their review and provided their feedbacks on these 2 SEI outputs.

2.3 Based on the received feedbacks on the aforementioned SEI outputs, the SEI WG considers both SEI RI2 and SEI LOC2/LOC4 are current and valid for implementation. To further enhance the SEI output, some recommendations and proposed changes were provided by SEI WG members, such as updating the reference documents and terminology in SEI RI2. SEI WG will discuss those recommendations and suggestions during the SEI WG breakout session and seek for volunteered champion for revising the SEI RI2 output.

2.4 To continue the SEI outputs review, SEI WG proposes to conduct the next periodic review on the last SEI output (LOC 6 – Guidance material on Upset Prevention and Recovery Training (UPRT) and report the review result to APRAST/19. After the review on the outputs of SEI LOC6, SEI WG will complete all the current SEI outputs review as planned since APRAST/13. (See Appendix 1)

3. ACTION BY THE MEETING

3.1 The Meeting is invited to:

- a) note the actions taken by SEI WG in this working paper;
- b) endorse the review result conducted by the SEI WG that 2 SEI outputs of SEI – RI2 and LOC2/LOC4 are still current and valid for implementation;
- c) secretariat to update the SEI review status of 2 SEI outputs – RI2 and LOC2/LOC4 under the safety tools session in the ICAO APAC webpage as the Appendix 1 in this working paper;
- d) agree the proposal from SEI WG to conduct the next periodic review on the outputs of SEI LOC6, and SEI WG will report the review result to APRAST/19; and
- e) encourage States/Administrations and Industries to join the SEI WG and actively participate in the SEI WG activities and to continue support SEI implementation for the actions cited in the Asia Pacific – Regional Aviation Safety Plan 2020-2022.

SEI		SEI Outputs	Approved	Periodic Reviewed by
1.	CFIT 1	Model Regulation on Ground Proximity Warning System (GPWS)	Approved at RASG-APAC/3 (Jun 2013)	APRAST/13 (Dec 2018)
2.	CFIT 1	Advisory Circular — Guidance for Operators to Ensure Effectiveness of GPWS Equipment	Approved at RASG-APAC/3 (Jun 2013)	APRAST/13 (Dec 2018)
3.	CFIT 1	Advisory Circular — Guidance for Operators on Training Programme on the use of Ground Proximity Warning System (GPWS)	Approved at RASG-APAC/3 (Jun 2013)	APRAST/13 (Dec 2018)
4.	CFIT 5	Advisory Circular — Crew Resource Management Training Programme (CRM)	Approved at RASG-APAC/3 (Jun 2013)	APRAST/14 (May 2019)
5.	CFIT 6	Advisory Circular — Controlled Flight into Terrain (CFIT) and Approach and Landing Accident Reduction (ALAR) Training Programme	Approved at RASG-APAC/3 (Jun 2013)	APRAST/14 (May 2019)
6.	LOC 5	Advisory Circular — Mode Awareness and Energy State Management Aspects of Flight Deck Automation	Approved at RASG-APAC/3 (Jun 2013)	APRAST/14 (May 2019)
7.	RE 2	Guidance material on Unstabilised Approach	Endorsed at RASG-APAC/3 (Jun 2013)	APRAST/15 (Jun 2020)
8.	CFIT 3	Model Advisory Circular — Instrument Approach Procedures Using Continuous Descent Final Approach Techniques	Approved at RASG-APAC/4 (Nov 2014)	APRAST/15 (Jun 2020)
9.	CFIT 8	Model Advisory Circular — Issuance of Terrain or Obstacle Alert Warning	Approved at RASG-APAC/4 (Nov 2014)	APRAST/15 (Jun 2020)
10.	RS 1	Runway Safety Maturity Checklist	Endorsed at RASG-APAC/4 (Nov 2014)	APRAST/16 (Mar 2021)
11.	RE 7	Guidance material and training program for runway pavement, maintenance and operations from aerodrome operator's perspective	Endorsed at RASG-APAC/4 (Nov 2014)	APRAST/16 (Mar 2021)
12.	LOC 1 CFIT 2	Model Advisory Circular — Air Operators Standard Operating Procedures for Flight Deck Crewmembers	Approved at RASG-APAC/5 (Oct 2015)	APRAST/17 (Jan 2022)
13.	CFIT 4	Guidance on the Establishment of a Flight Data Analysis Programme (FDAP)	Approved at RASG-APAC/5 (Oct 2015)	APRAST/17 (Jan 2022)
14.	CFIT 7	Guidance for Air Operators in Establishing a Flight Safety Documents System	Approved at RASG-APAC/5 (Oct 2015)	APRAST/17 (Jan 2022)
15.	RI 2	Model Advisory Circular — Runway Incursion Prevention and Pilot Training	Approved at RASG-APAC/6 (Aug 2016)	APRAST/18 (Jun 2022)
16.	LOC 2 LOC 4	Guidance Material on Flight Crew Proficiency	Approved at RASG-APAC/7 (Jul 2017)	APRAST/18 (Jun 2022)
17.	LOC 6	Guidance material on Upset Prevention and Recovery Training (UPRT) - ICAO Doc 10011 - ICAO Doc 9868 - AUPRTA	Approved at RASG-APAC/8 (Sep 2018)	