



ICAO

FIFTEENTH MEETING OF THE ASIA PACIFIC REGIONAL AVIATION SAFETY TEAM (APRAST/15)

Bangkok, Thailand, 24 to 25 June 2020 on Virtual Platform

APRAST/15-WP/17

Agenda Item 5

Agenda Item 5: Updates from the Sub-groups

PERIODIC REVIEW OF SEI OUTPUTS

(Presented by SEI WG)

SUMMARY

Following the development of Safety Enhancement Initiatives (SEIs), the implementation of completed SEIs 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 SEIs outputs may need to be revised or removed as it is important that the completed SEIs outputs are current for realistic implementation by APRAST members to cope with the identified risk.

A review group was formed in the SEI WG to conduct the periodic review of current SEIs outputs between every APRAST meeting and provide update report back to APRAST meetings in order to ensure the currency of all completed SEIs outputs are maintained.

Pursuant to the periodic SEI output review process and Decision APRAST 14/11, this paper reports the review result conducted by the SEI review group for the 3 outputs of SEIs RE 2, CFIT 3 and CFIT 8 and proposes the next batch of SEIs outputs for the periodic review.

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 SEIs 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 SEIs outputs may need to be revised or removed as it is important that the completed SEIs outputs are current for realistic 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 those approved SEIs outputs remain current, SEI WG concluded in APRAST/12 to form an SEI Review Group to conduct periodic review on SEIs outputs by batch between every APRAST meeting and report back to APRAST meetings. As of APRAST/14, there are 16 APRAST Members States/Administrations and International/Regional Organisations¹ join in this SEI review group. The priority on which SEIs outputs to be reviewed will be based on the date of the creation of the SEIs outputs and/or the information

¹ The 16 members of SEI Review Group are Australia, Cambodia, China, Macao-China, Hong Kong-China, India, Indonesia, Japan, Malaysia, Singapore, Thailand, IFALPA, COSCAP-NA, COSCAP-SA, US CAT and IATA.

received from the SEI implementation survey. In order to facilitate the SEIs outputs review, a standard review form is used for the review group members to review each SEI output and provide their feedback accordingly.

1.3 As of APRAST/14, a total of 6 SEIs outputs have been reviewed by SEI Review Group and the results have been reported back to APRAST meetings and RASG-APAC/9. The periodic SEIs outputs review task was also incorporated into the 2019/2020 yearly work programme as concluded in RASG-APAC/9.

2. DISCUSSION

2.1 In APRAST/14, SEI WG decided that additional 3 SEIs outputs (RE 2 - Guidance material on Unstabilised Approach, CFIT 3 - Model Advisory Circular — Instrument Approach Procedures Using Continuous Descent Final Approach Techniques and CFIT 8 - Model Advisory Circular — Issuance of Terrain or Obstacle Alert Warning) to be reviewed prior to APRAST/15. The result will be reported back to APRAST/15 as the Decision APRAST 14/11.

2.2 10 APRAST members from the SEI review group, includes Cambodia, China, Hong Kong – China, Indonesia, Japan, Macao – China, Singapore, Thailand, IATA and US CAST, completed their review and provided their feedback on above 3 SEIs outputs.

2.3 Based on the received feedback on the aforementioned SEIs outputs, SEI review group considers all 3 SEIs outputs are current and valid. Some typographical errors on paragraphs and inconsistent terminology were found in the output of SEI CFIT 3. Furthermore, there were various recommendations raised by the SEI review group members on how to further improve these 3 SEIs outputs. It is proposed to discuss the typographical errors found and those recommendations for improvement in the next APRAST SEI WG breakout session considering that revising the SEIs outputs or developing new SEI output(s) would be depending on the availability of volunteered champion(s).

2.4 SEI WG proposes to conduct the next periodic review on 2 SEIs outputs (RS 1 – Runway Safety Maturity Checklist and RE 7 - Guidance material and training program for runway pavement, maintenance and operations from aerodrome operator's perspective) and SEI WG will report the review result back to APRAST/16. (See Appendix 1)

3. ACTION BY THE MEETING

3.1 The Meeting is invited to:

- a) endorse the review result conducted by the SEI review group that the 3 outputs of SEIs (RE 2, CFIT 3 and CFIT 8) are still current and valid for implementation;
- b) agree SEI WG to conduct the next periodic review on SEIs outputs RS 1 and RE 7 and report the review result back to APRAST/16; and
- c) encourage States/Administrations and Industries to continue support SEIs implementation.

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)	By APRAST/16
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)	By APRAST/16
12.	LOC 1 CFIT 2	Model Advisory Circular — Air Operators Standard Operating Procedures for Flight Deck Crewmembers	Approved at RASG-APAC/5 (Oct 2015)	
13.	CFIT 4	Guidance on the Establishment of a Flight Data Analysis Programme (FDAP)	Approved at RASG-APAC/5 (Oct 2015)	
14.	CFIT 7	Guidance for Air Operators in Establishing a Flight Safety Documents System	Approved at RASG-APAC/5 (Oct 2015)	
15.	RI 2	Model Advisory Circular — Runway Incursion Prevention and Pilot Training	Approved at RASG-APAC/6 (Aug 2016)	
16.	LOC 2 LOC 4	Guidance Material on Flight Crew Proficiency	Approved at RASG-APAC/7 (Jul 2017)	
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)	