APRAST 13

SEI WG Breakout Session

The 13th Meeting of the Asia Pacific Regional Aviation Safety Team

SEI WG Agenda Items

1. Review the Status of Safety Enhancement Initiatives (SEIs)
2. Review the SEIs under the yearly work programmes
3. Review the SEIs under Registry of Emerging
4. Review the work of SEI Core Group and SEI Review Group
5. Review any other open APRAST Decisions and Conclusions related to SEI WG
6. Items from APRAST/13 Plenary Session
7. AOB

Review the Status of Safety Enhancement Initiatives (SEIs)

Status of Safety Enhancement Initiatives

	Priority 1	Priority 2	Priority 3	Total
Completed SEIs	11	3	4	17 (1)
Open SEIs under 2018/2019 yearly programme	0	1	0	1

Other SEIs including Emerging Issue

CFIT Sub-Group

CFIT 9 – Review of existing and emerging technologies for enhanced flight visibility

LOC Sub-Group

LOC 13 – Loss of control: information sharing (Priority 3)
LOC xx – Flight crew training verification and validation
LOC xx – Scenario based training for low altitude maneuvers
LOC xx – Enhanced crew resource management training

RS Sub-Group

RI 6 – Scenario based training for air traffic controllers [see Paragraph 6.5.7 of APRAST/10 Meeting Report]

Others

Mitigations for hazardous material fires [see Paragraph 7.4.11 of APRAST/9 Meeting Report]
SEI of turbulence procedures for reducing cabin injuries [Decision APRAST 11/5 refers]

Review the SEIs under the Yearly Work Programmes

LOC/6 - **Upset Prevention Recovery Training (UPRT)**

RE/1 – **Causal factors with pilot decision to not go-around**

LOC/6 - Upset Prevention Recovery Training (UPRT)

In APRAST/11

The Meeting agreed to submit the SEI LOC/6 to RASG/8 for approval with following Conclusion.

Conclusion APRAST 11/7—SEI LOC/6 - Upset Prevention Recovery Training (UPRT)

That, RASG-APAC consider:

a) requesting States/Administrations to note the ICAO SARPs regarding upset prevention and recovery training (UPRT) in Annex 1 and Annex 6, Part I;

b) encouraging States/Administrations to take actions to implement these ICAO Annexes provisions regarding the UPRT if they have not yet done so;

c) encouraging APRAST members to review and utilize the guidance, procedures and recommendations in ICAO Doc 10011, Doc 9868 and AUPRTA to implement the ICAO UPRT SARPs; and

d) closing SEI LOC/6 and removed SEI LOC/6 from the work programme.

LOC/6 - **Upset Prevention Recovery Training (UPRT)**

Update at APRAST/13

SEI WG submitted and presented WP/12 regarding the SEI LOC/6 to RASG/8 on September 2018 for approval.

Decision RASG-APAC 8/11

That, the Meeting endorsed the APRAST Conclusion 11/7 and action taken on SEI LOC/6 and consider completed and removed from the work programme.

RE/1 - Causal factors with pilot decision to not go-around

(Champion: FSF/IATA)

In APRAST/12

In line with Decision APRAST 11/3, FSF and IATA have identified 10 priority items from the common recommendations between FSF report on Go-Around Decision Making and IATA guidance on Unstable Approaches.

SEI WG reviewed and discussed the feasibility of adopting the 10 priority items identified from the FSF and IATA materials as APAC SEI(s). Seeing that conclusion could not be reached during the SEI WG breakout session, SEI WG agreed to circulate the 10 priority items to APRAST member seeking further clarification from FSF/IATA if any, in order to decide any item as APAC SEI(s).

RE/1 - Causal factors with pilot decision to not go-around

(Champion: FSF/IATA)

In APRAST/12

The Meeting agreed to the following Decision:

Decision APRAST 12/6 - RE/1

That, FSF and IATA to provide the Secretariat with the 10 priority items to be circulated to APRAST members for further clarification, if any in order to decide any item as APAC SEI.

RE/1 - Causal factors with pilot decision to not go-around

(Champion: FSF/IATA)

Update at APRAST/13

A comparison table of those 10 priority items between FSF and IATA was created in order to give a full picture of those common prioritized recommendations from both FSF and IATA reports. This comparison table contains the details recommendations from both FSF and IATA reports with reference. However, this comparison table of those 10 priority items have not been circulated prior to this APRAST/13.

As the Decision APRAST 12/6 is still open, this comparison table will be circulated to all APRAST members by Secretariat for members' consideration and if any clarification need from both FSF and IATA prior to APRAST/14, in order to decide if any those recommendations will be considered to be APAC SEI(s) in APRAST/14.

Review the SEIs under Registry of Emerging

Prior to APRAST/13

CFIT 9 – **Review of existing and emerging technologies for enhanced flight visibility (SE FAA AC90-106)**

RI 6 – **Scenario based training for air traffic controllers**

LOC 13 – **Loss of control: information sharing (Priority 3)**

LOC xx – **Flight crew training verification and validation (CAST SE 195)**

LOC xx – **Scenario based training for low altitude maneuvers**

LOC xx – **Enhanced crew resource management training (CAST SE 199)**

Others – Mitigations for hazardous material fires (CAST SE 126)

Others – SEI of turbulence procedures for reducing cabin injuries (CAST SE 78)

All above SEIs are under the Registry of Emerging Issue and no champion(s) are identified yet.

Review the SEIs under Registry of Emerging

Update at ARPAST/13

SEI WG members commented and provided latest development on the topic of "Enhanced crew resource management training". A need for developing the safety assessment on the runway was raised from a member. After the discussion with agreement, instead of inventing a new SEI at this moment, COSCAP-SA will coordinate with COSCAP-SEA for sharing the guidance from COSCAP-SEA if any.

Apart from this, no proposal was made and no champion is identified during SEI WG breakout session. All above SEIs will maintain under the Emerging Issues registry till APRAST/14.

Review the work of
SEI Core Group and SEI Review Group

SEI Core Group and Review Group

SEI Core Group

In APRAST/12, with the aim of facilitating administration and cooperation within the SEI WG in order to have a better communication between APRAST meetings. The SEI Core Group develop the SEI implementation Survey as presented in WP/11 and circulate to all APRAST Members for their feedback.

Currently, 17 members in this SEI Core Group including States/Administrations, International & Regional Organizations and COSCAPs.

SEI Core Group and Review Group Members

SEI Review Group

Besides individual feedback can be provided by APAC members to RASG/APRAST Secretariat, SEI WG concluded in APRAST/12 to form a SEI Review Group to conduct periodic review of current SEI outputs between every APRAST meeting and provide update report back to APRAST meetings.

The priority on which SEIs to be reviewed will be based on the date of the creation of the SEIs and/or the information received from the forthcoming SEI implementation survey. Prior to APRAST/13, SEI Review Group has reviewed 3 CFIT SEIs which were approved by RASG-APAC 5 year ago. A review form was used to facilitate this review if the SEIs are still valid, any error found and any suggestion to change on the SEIs.

Currently, 11 members in this SEI Review Group including States/Administrations, International Organizations and COSCAPs.

Review the work of SEI Core Group and SEI Review Group

Update on SEI Core Group and Review Group Members at APRAST/13

Members	SEI Core Group	SEI Review Group	APRAST/13		Additional contact person	
Cambodia	X	X	Mr. Sophondarith TAN	sophondarith-tan@civilaviation.gov.kh		
China	X	X	Mr. Ming ZENG	zengming@caac.gov.cn		
Macao, China	X	X	Mr. Wa Kin PUN, Stanley	stanleypun@aacm.gov.mo		
Hong Kong, China	X	X	Capt. Michael SL LAU	msllau@cad.gov.hk		
India	X	X	Mr. Maneesh KUMAR	maneesh.dgca@nic.in		
Indonesia	X	X	Capt Alfin Bastain Firdaus	alfin_bastian@duphub.go.id	Capt. Rd. Achmad Sadikin	achmadsadikin@airasia.com
Singapore	X	X	Mr. Kah Han TAN	tan_kah_han@caas.gov.sg		
IFALPA	X	X	Capt. Bhudhibhuntu Teinwan	bhudhibhuntu.t@thaiairways.com		
COSCAP-SA	X	X	Ms. Marie Helene ZUBRYCKYJ	marie.zubryckyj@coscap-icao.org		
	SEI Core Group Only					
AAPA	X		Mr. Martin R. ERAN-TASKER	merantasker@aapa.org.my		
Bangladesh	X		S M Lutful Kabir	kabircaab@gmail.com		
Lao	X		Mr. Khine SIMVONGSA	k_simvongsa@yahoo.com		
Mongolia	X		Mr. YERKHANAT Syesyer	erkhanat@mcaa.gov.mn		
Thailand	X		Mr. Buntoeng Megchai	buntoeng.m@caat.or.th		
COSCAP-SEA	X		Mr. Michiel VREEDENBURGH	mvreedenburgh@icao.int		
COSCAP-NA	X		Capt. Wayne Loe	wayne.loe@coscap-icao.org		
US CAST	X		Mr. Chad BREWER	chad.brewer@faa.gov		
		SEI Review Group Only				
Japan		X	Mr. Yusuke Urano	urano-y2c3@mlit.go.jp	Mr. Yoshikazu Matsushige	matsushige-y46z8@mlit.go.jp
Malaysia		X	Capt Chow Weng Cheong	chowwc@caam.gov.my		
	17	11				

SEI Review Group Members

5 review feedback received from China, Japan, Macau – China, Malaysia and Singapore as the members of SEI review group prior to APRAST/13 and these 3 SEIs are considered valid and no revision is need. The APRAST/13 Plenary is proposed to endorse this review result.

		Safety Enhancement Initiatives	Date of RASG-APAC approval	Reviewed / Partially Reviewed by States or Administrations (42) at APRAST/12	Review Results
1.	CFIT 1	Model Regulation on Ground Proximity Warning System (GPWS)	Approved at RASG-APAC/3 (Jun 2013)	10 / 2	VALID
2.	CFIT 1	Advisory Circular — Guidance for Operators to Ensure Effectiveness of GPWS Equipment	Approved at RASG-APAC/3 (Jun 2013)	9 / 2	VALID
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)	7 / 2	VALID

SEI Review Group Members

SEI WG decided to conduct the review for the following 3 SEI outputs as the periodic SEI review process. The review result from the SEI review group will be reported back to APRAST/14.

		Safety Enhancement Initiatives	Date of RASG-APAC approval	Reviewed / Partially Reviewed by States or Administrations (42) at APRAST/12
1.	CFIT 5	Advisory Circular — Crew Resource Management Training Programme (CRM)	Approved at RASG-APAC/3 (Jun 2013)	8 / 2
2.	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)	7 / 2
3.	LOC 5	Advisory Circular — Mode Awareness and Energy State Management Aspects of Flight Deck Automation	Approved at RASG-APAC/3 (Jun 2013)	6 / 2

Review any other open APRAST Decisions and Conclusions related to SEI WG

Review any other open APRAST Decisions and Conclusions related to SEI WG

Besides Decision APRAST 12/6—SEI WG Break Out Session – RE/1 is consider open, **NO** other open ARPAST/12 Decision or Conclusion related to SEI WG in accordance with APRAST/13–WP/9 presented by the Secretariat.

Tasks from APRAST/13 Plenary Session

WP/11 – SEIs Implementation Survey

Due to the low number of responses to this survey, the received feedback may not give APRAST a full picture of all the views from APRAST members regarding the SEIs and safety tools implementation. As the discussion from the APRAST/13, APRAST should obtain further inputs from those non-responded APRAST Members.

During the SEI WG breakout session, some members commented that the PoC(s) did not receive the State Letter regarding this survey from ICAO Regional Office and sufficient time should also be given.

In order to the obtain sufficient information and feedback from APRAST Members for supporting the implementation of all those SEIs, SEI WG concluded and proposed the following:

- To extend the submission date of this survey to 28 Feb 2019;
- To validate the PoC (Point of Contact) of APRAST during the Plenary Session in APRAST/13 or further action to be taken from Secretariat;
- This survey will be disseminated to both PoC and Director General of APRAST members.

Recommendation from SEI WG:

Decision APRAST 13/XX:

Why	To extend the deadline of the SEIs survey till 28 Feb 2019 and get sufficient feedback from APRAST Members in order to identify what is the need to support the implementation of all SEIs
What	That, Secretariat to disseminate the survey with the new submission deadline (28 Feb 2019) to those APRAST members who have not yet submitted the survey.
Who	ICAO APAC RO, APAC States/Administrations
When	Dec 2018

WP/13 – Proposed approach to develop the Asia-Pacific Regional Aviation Safety Aviation Safety Plan (AP-RASP)

SEI WG reviewed the proposed approach for developing the AP-RASP as proposed by the AP-RASP adhoc working group. The input from SEI WG has been forwarded and further discussed in the AP-RASP adhoc working group breakout session on 5 Dec 2018.

THANK YOU

The 13th Meeting of the Asia Pacific Regional Aviation Safety Team