



**Cooperative Development of Operational Safety and
Continuing Airworthiness Programme
COSCAP-SOUTH ASIA**



20th STEERING COMMITTEE MEETING

05-08 APRIL 2011, COLOMBO, SRI LANKA

Executive Summary

Attachment -3 to Discussion Paper (DP-20SCM-03) presents the Record of Actions of the third Asia Regional Aviation Safety Team (ARAST) meeting held from 16 to 18 March 2010 at the ICAO Asia Pacific Regional Office, Bangkok, Thailand.

Record of Actions

3rd Asian Regional Aviation Safety Team (3rd ARAST)

UPDATE – January 2011

Record of Actions

Asian Regional Aviation Safety Team (ARAST)

UPDATE – January 2011

1 Introduction

The 3rd Meeting of the Asia Regional Aviation Safety Team (ARAST) was conducted at the ICAO Regional Office in Bangkok Thailand during the period of 16 to 18 March 2010. The objective of the team is to recommend accident prevention interventions to the Steering Committee and implement the ICAO Global Aviation Safety Plan (GASP). GASP endorses the concept of concentrating the safety-related activities of ICAO on those safety initiatives - planned or currently underway - which offer the best safety dividends in terms of reducing the accident rate. Additionally, GASP encourages States to foster regional and sub-regional safety groups for the purpose of furthering the global safety effort.

3 Present

The 3rd ARAST was attended by representatives from the Civil Aviation Authorities and airlines of the Member Administrations of COSCAP-NA, COSCAP-SEA and COSCAP-SA, International / Regional Experts attached to the Programmes including Programme Coordinators, representatives from ICAO, FAA, DGAC France, Airbus, Boeing, IATA and IFALPA. There were a total of 97 participants registered for the meeting.

| Item | Action by | Comment |
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| 4.8 TCAS / ACAS Working Group | | |
| <i>Open actions from the 2nd ARAST</i> | | |
| 009.07 COSCAP to distribute the TCAS report to COSCAP Member States and Administrations when available | COSCAP | FAA to provide |
| 009.08 FAA to brief a future meeting on the findings of the study. | FAA | Completed – FAA provided a briefing at the 3 rd ARAST Meeting |
| 4.9 European Strategic Safety Initiative (ESSI) -- Update | | |
| A10.01 China kindly volunteered to attend the ESSI meetings on behalf of the ARAST. | CAAC | Completed |
| A10.02 COSCAP-NA will assist the coordination of this action and the sharing of information with member Administrations | COSCAP-NA | Completed - CAAC Attended |
| 4.11 Safety Management Systems (SMS) and State Safety Program (SSP) | | |
| A10.03 COSCAP to support SSP implementation as a means to implement the GASP / R. | COSCAP Ongoing | |
| 4.12 Flight Procedure Programme Office – ICAO Beijing | | |
| A10.04 Member Administrations to consider participation in the upcoming PBN Operational Approval Courses | Members | Completed – numerous courses have been conducted and COSCAP to provide a briefing |
| 4.13 TAWS – EGPWS | | |
| <i>Open actions from the 2nd ARAST</i> | | |
| 009.05 COSCAP will distribute the TAWS report to COSCAP Member States and Administrations when available | COSCAP | See also 009.07 above – FAA to provide |
| 009.06 FAA will brief future meetings on the findings of the TAWS study. | FAA | Completed – FAA provided a briefing at the 3 rd ARAST Meeting |
| 5.1 SE-18, Evaluation and Surveillance of Sub-Contractor maintenance providers. | | |
| <i>Open actions from the 2nd ARAST</i> | | |
| M09.02: COSCAPs to provide a draft Advisory Circular for consideration by Member Administrations/States. | COSCAP-NA | Draft AC 021 has been prepared for review by the meeting. |
| 5.2 SE-19, Policy regarding the use of Minimum Equipment List (MEL) | | |

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| A10.05 | Brunei representative to provide linkages related to State access of MMEL for Airbus aircraft. | Brunei | Completed. See below |
| A10.06 | COSCAP to confirm with Airbus the availability of MMEL information for CAAs and advise at the next ARAST. | COSCAP-NA | Information provided by Airbus: For CAAs to open an AirbusWorld account providing access to flight operations documentation with including the MMEL contact AirbusWorld airbusworldadmin@airbus.com |
| A10.07 | COSCAP to provide the Model MMEL/MEL Policy and Procedures Manual for inclusion on the meeting CD. | COSCAP | Completed as this was provided on the CD. |
| A10.08 | COSCAP Administrations to advise if they require any training related to MMEL/MEL implementation. | Members | COSCAP-SEA has provided this training to some of his administrations. |
| | <p>The following information with respect to the MMEL was kindly provided by the representative of Brunei:</p> <ol style="list-style-type: none"> 1. JAA MMEL Supplements Status based on Reference text. EASA MMEL Temporary Revisions (TR), plus additional links for direct access to FAA, Transport Canada and Brazil MMEL sites: http://www.easa.europa.eu/ws_prod/c/c_flightstandards_mmel.php 2. Airbus information: <ol style="list-style-type: none"> a) http://www.airbusworld.com a. http://www.airbus.com/en/services/customer-services/maintenance-engineering/tech-data/ <i>Note: This website can be accessed with permission from Airbus.</i> | | Completed. |
| 5.3 | SE-20, Directors of Safety will determine deficiencies and Quality Control Procedures outlined in SE -18 and SE-19 are addressed. | | |
| Open actions from the 2nd ARAST | | | |

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| M09.03: COSCAPs to provide guidance and training material to Member Administration/States and COSCAP administrations to determine if additional support is required. | COSCAP ongoing | Ongoing |
| 5.4 SE-169R1, Policy & Procedures related to Work Cards and Shift Changes | | |
| <i>Open actions from the 2nd ARAST</i> | | |
| M09.05: COSCAP to develop a draft Advisory Circular for consideration by Member Administrations/States to heighten the awareness and risk. | COSCAP-NA | Draft AC 022 provided to participants for discussion at the meeting |
| 5.5 SE-170R1, OEM Continuous Monitoring of Service History | | |
| <i>Open actions from the 2nd ARAST</i> | | |
| M09.06: COSCAP to gather information from ICAO related to USOAP data results (related protocol questions) and share that with Member Administrations/States. Open pending receipt and analysis of USOAP data related to Output 1 | COSCAP-NA | Completed. The data was acquired and indicates that there are almost no findings in these areas. |
| 5.6 SE-172R1, Gap Analysis of Existing Airplane Maintenance Process & Follow-up Action Plan. | | |
| A10.09 ARAST to continue to follow up with CAST for latest developments. | COSCAP ongoing | |
| A10.10 COSCAP to organize a seminar on MSG and MRB processes to promote the exchange of best practices in 2010. | COSCAP-NA | Organization of the Seminar almost completed and an update to be provided to the meeting |
| A10.11 Airbus and Boeing to kindly provide support to such a Seminar. | Airbus and Boeing | |
| 5.7 SE-175R1 Policy and Procedures – Flight Critical Configurations Changes Made During Maintenance | | |
| <i>Open actions from the 2nd ARAST</i> | | |
| M09.08: COSCAPs to provide draft guidance material to Member Administrations/States for their review on best practices that could be followed to ensure that appropriate measures are in place to prevent such occurrences. | COSCAP Open FAA | CAST item |

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| 6.1 BP 1a-2 – States takes all necessary action to ensure compliance with SARPs and industry best practice. | | |
| <i>Open actions from 2nd ARAST</i> | | |
| G09.02: States to continue their efforts as necessary to comply in this area. | Members ongoing | |
| 6.2 BP 1a-4 States apply coordinated initiatives to ensure that non-compliant States do not engage in activity which could be seen as unacceptably increasing the risk of operation | | |
| <i>Open actions from 2nd ARAST</i> | | |
| G09.03: States to implement Annex 6, amendment 32 regarding Foreign Air operators by revision to regulations, procedures and guidance material | Members | We have developed Model Regulation, Manual and provided training in July 2010. |
| G09.05: COSCAP to continue to monitor and support effective implementation of the requirements | COSCAP ongoing | |
| 6.3 BP 2a-3 – State applies the principles of risk management to its safety related activities. | | |
| <i>Open actions from 2nd ARAST:</i> | | |
| G09.06 States support initiative to implement a State Safety Programme (SSP), including the requirement for Safety Management Systems (SMS) implementation by service providers. | Members ongoing | |
| G09.07 COSCAPs to support SSP development and SMS implementation through provision of training courses. | COSCAP ongoing | |
| G09.08 COSCAPs to assist States through the development of generic models and guidance material. | COSCAP ongoing | |
| A10.12 COSCAP to examine the availability/provision of guidance / training to Operators for internal audit assessment. | COSCAP-SEA | |
| A10.13 COSCAP to explore the possibility of conducting a training audit exercise on an Air Operator SMS and to provide de-identified feedback to the next ARAST meeting. | COSCAP-NA/SEA | Assessment completed and CTA NA to brief the meeting. |
| A10.14 States kindly requested to advise COSCAP if they could support such an exercise (both Air Operator and CAA support required). | Members | Completed |

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| A10.15 | Singapore kindly offered to provide a presentation on their implementation of SMS and of an Air Operator or AMO implementation of SMS. | CAAS | |
| A10.16 | COSCAP to provide material to Member States for high level training of senior management on SMS concepts and implementation. | COSCAP-NA | |
| A10.17 | Member States are to advise COSCAP if additional SMS guidance and training is required. | Members | |
| A10.18 | States requested to provide copies of their SSP implementation documentation for COSCAP CTA NA to provide comments and to support development of COSCAP guidance material. | Members | COSCAPs have received feedback from some States. |
| A10.19 | States to conduct a preliminary gap analysis and provide data to their respective COSCAP CTA to establish regional SSP implementation base-line. Data provided by States to be kept confidential by COSCAP. | Members | Some data received |
| A10.20 | COSCAP to send a letter to the Director General of each member administration in support of the preliminary SSP gap analysis. . Data will be kept confidential. | COSCAP-SEA | Completed -- SA/SEA/NA letter sent out in May 2010, seeking August 30 return. |
| A10.21 | Pakistan kindly offered to provide their SSP manual to COSCAP for review and comment. | Pakistan COSCAP-NA | complete |
| 6.4 BP 3a-4 – Each aviation professional that has an impact on safety has a clear understanding of what constitutes acceptable and unacceptable behaviour. | | | |
| Open actions from 2nd ARAST: | | | |
| G09.11 | CTA North Asia to develop guidance to supplement ICAO material related to GSI-3a-4. | COSCAP-NA | Completed. – AC 023 Acceptable & Unacceptable Behaviour ready for distribution and provided to participants |
| A10.22 | RAST Members to provide additional comments by 30 April 2010 | Members | Completed |
| 6.5 6BP 5a-1 – COSCAPs encourage implementation of best practices consistent with Roadmap Focus Areas for their region. | | | |
| Open actions from 2nd ARAST | | | |

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| G09.20: ICAO (Mitch Fox) kindly requested to pursue global coordination with ICAO Contracting States | ICAO HQ | RASG Update presentation provided to the meeting. |
| G09.21: COSCAPs to develop specific policies addressing coordination with Asian COSCAPs and ICAO Regional Office, for the approval of their Steering Committee. | | Updated terms of reference for SEARAST, SARAST, NARAST provided to the meeting for review. |
| 7.1 SE 30 –Mode Awareness and Energy State Management Aspects of Flight Deck Automation | | |
| Open actions from 2nd ARAST | | |
| O09.14: Member States and Administrations to consider final AC for implementation. | Members | |
| 7.2 Runway Excursions | | |
| Open actions from 2nd ARAST | | |
| O09.02: COSCAPs are to seek Excursion prevention material from the FSF | COSCAP | IATA will provide Excursion Prevention Workshop concurrent with Feb. ARAST |
| O09.03: COSCAPs are to seek Excursion prevention workshop from FSF | COSCAP | IATA will provide Excursion Prevention Workshop concurrent with Feb. ARAST |
| O09.04: FAA will kindly inform COSCAPs of safety enhancement work in this area. | FAA | |
| Note: O09.02, O09.03 & O09.04 On hold | | |
| A10.23 IATA will kindly consider providing a one day Runway Excursion Workshop concurrent with the 4th ARAST Meeting. | IATA | IATA will provide Excursion Prevention Workshop concurrent with Feb. ARAST |
| 8.1 CAST SE-176 – Runway Safety Action Teams | | |
| A10.24 COSCAP to examine ICAO requirements (Manual on Prevention of Runway Incursions) and ICAO Runway Safety Toolkit related to establishment of runway safety teams. | COSCAP-SA | |
| A10.25 COSCAP-SA to examine the FAA material related to SE 176 and Wrong Runway Departure report. | COSCAP-SA | |

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| A10.26 | COSCAPs to survey member States on the existence of Runway Safety teams, and how these have been established (Note: USOAP data indicates 70% of States had not established runway safety teams). | COSCAPs | |
| A10.27 | COSCAP to provide a report and recommendations for next ARAST meeting. | COSCAP-SEA | |
| 8.2 CAST SE- 178 – Enhanced Surface Marking and Lighting | | | |
| A10. 28 | COSCAP-SEA to review with ICAO Aerodrome Expert to identify ICAO Standards and the related guidance material that is available. | COSCAP-NA | |
| A10.29 | FAA to provide detailed information related to this Safety Enhancement for review by COSCAP to determine its applicability to Asia Pacific Region. | FAA | |
| A10.30 | IFALPA offered to provide guidance material available from New Zealand. | IFALPA | |
| 8.3 CAST SE-179 Scenario Based Training for Pilots | | | |
| A10.31 | FAA to provide full report related to SE-179 to COSCAP for review. | FAA | ICAO is also making some major changes to the way training is done in the future. |
| A10.32 | COSCAP to report back to the next ARAST on the results of this review. | FAA | |
| 8.4 CAST SE- 180 Scenario Based Training for Tower Controller | | | |
| A10.33 | Update to be provided by the FAA at the next ARAST Meeting to determine possible action in Asia Pacific. | FAA | |
| 8.5 CAST SE-181 Taxiway and Runway Configuration | | | |
| A10.34 | Update to be provided by the FAA at the next ARAST Meeting. | FAA | |
| A10.35 | COSCAPs to follow up with ICAO regarding work that they may be conducting related to this matter. | COSCAP-SEA | |
| 8.6 CAST SE-182 Air Traffic Control Clearance Procedure Review | | | |
| A10.36 | COSCAP to review the FAA material and report to the next meeting. | COSCAP-SA | |
| 8.7 CAST SE-183 Cockpit Moving Map Display and Runway Awareness System | | | |

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| A10.37 | Equipment and standards related so not deemed appropriate for consideration by the ARAST. | None | |
| 8.8 | CAST SE-184 Minimum Vectoring Altitude Re-evaluation | | |
| | Note: Considered with SE185 below | | |
| 8.9 | CAST SE-185 TAWS and RNAV Visual or other procedures | | |
| A10.38 | COSCAP Member States to canvas their Operators to determine whether there is a significant number of TAWS false warnings within their region. | Members | |
| A10.39 | COSCAP to send letter to States and ask them to provide data to COSCAP prior to 30 July 2010. | COSCAP-SEA | |
| A10.40 | IATA kindly offered to search STEADES for data on TAWS alerts for the region. | IATA | Tony Houston |
| A10.41 | IATA kindly asked to make a presentation on STEADES at the next ARAST. | IATA | Tony Houston |
| 9.0 | Regional Safety Concerns | | |
| | Open actions from the 2nd ARAST | | |
| O09.15 | COSCAP will inform ICAO Regional Office and request that the issue be raised with the APANPIRG. | COSCAP | Completed |
| O09.17 | COSCAPs to follow up as necessary to determine that the safety concern has been addressed. | COSCAP-SA | |