



International Civil Aviation Organization

**The Fourth Meeting of the Regional Airspace Safety Monitoring Advisory Group
(RASMAG/4)**

Bangkok, Thailand, 25 – 28 October 2005

Agenda Item 3: Airspace safety monitoring documentation and regional guidance material

Review of RASMAG/3 ATS Safety Management Seminar

(Presented by the Secretariat)

SUMMARY

A 3-day RASMAG ATS Safety Management Seminar was conducted at the Regional Office during June 2005. This paper seeks the review of the seminar material presented, with a view to compiling a suitable training aid for use in regional ATS safety management training.

1. INTRODUCTION

1.1 In considering the development of safety management systems in the Asia and Pacific Region, the initial meeting of RASMAG (RASMAG/1, April 2004) recognized that because the Annex 11 provisions in relation to safety management programmes had only recently become effective on 27 November 2003, there had been little lead time for States to establish safety management systems and to develop safety assessment expertise to address complex airspace environments.

1.2 RASMAG/1 recognized that States who had implemented safety management systems and used a systematic approach to evaluating operational risk and managing ongoing operations were much better equipped to deal with airspace safety matters. States that had little experience with safety management systems and had not put in place arrangements specifically to deal with ATS safety matters would find it difficult to manage complex airspace and reduced separation that required safety assessments to be performed.

1.3 RASMAG/1 agreed that more attention needed to be given to education, and commenced planning for an ICAO ATS Safety Management Seminar with a focus on practical hands-on experience.

2. DISCUSSION

2.1 RASMAG/1 drafted proposals for a seminar that included provision for the seminar material to form the basis for a small team of experts to travel to States and provide on-site safety management training. However, RASMAG/2 (October 2004) was informed that, despite the generous commitment of IATA to assist with travel arrangements, the concept of presenting a traveling safety workshop to States of the region was not able to proceed as a result of the resource limitations of the Regional Office and some of the State experts involved. Nevertheless, RASMAG/2 continued preparations for a safety seminar to be held at the Regional Office immediately following the RASMAG/3 meeting scheduled in June 2005.

2.2 The 3-day RASMAG ATS Safety Management Seminar was conducted from 8 to 10 June 2005 at the ICAO Asia/Pacific Regional Office, immediately following the RASMAG/3 meeting. A copy of the seminar programme has been included in the **Appendix**.

2.3 The Regional Office advised that a CD-ROM of the presentations to the seminar would be made widely available to States. Whilst recognizing the value of a CD-ROM, RASMAG/3 acknowledged that simply reading the material on the CD would be of significantly less value than hearing the commentary that went with the CD presentations and proposed that arrangements be made to produce a video or DVD of the seminar.

2.4 As it was too late to make arrangements of this kind for this seminar, RASMAG/3 elected to pursue the idea further at a later time and requested that the 3 regional RMAs include this matter in the discussions at their proposed joint meeting. Additionally there was continued agreement at RASMAG/3 that the proposal to take the safety seminar developed by RASMAG on-site to specific States should be pursued. The three RMAs agreed they could consider undertaking this activity with the support of IATA and would develop a draft programme and schedule.

2.5 RASMAG/3 recognized that the initial safety seminar would comprise a trial and evaluation of the safety presentations. The material presented would need to be formally evaluated in respect of relevance and suitability, before being compiled for further use. RASMAG/3 added an action item to the RASMAG task list to ensure that a review of the seminar was conducted during RASMAG/4.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) review the RASMAG/3 seminar, seminar programme and presentation material as presented in the Appendix and the seminar CD-ROM, and
- b) consolidate the presentation material with a view to compiling a suitable ATS safety management training aid as the basis for further regional safety management training.

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RASMAG ATS Safety Management Seminar

8 – 10 June 2005, Bangkok, Thailand

Programme Details

Wednesday, 8th June 2005

Session 1:

- a) ICAO ATS Safety Management Provisions
Mr. Andrew Tiede, ICAO Regional Officer, ATM
- b) The Need for and Fundamentals of Safety Management Systems
Mr. Robert Butcher, Airservices Australia
- c) The Need for Safety Assessments and Safety Monitoring in Reduced Vertical and Horizontal Separation Implementation
Mr. Brian Colamosca, US Federal Aviation Administration

Session 2:

- a) The Role of the Airlines in risk assessment activities and their contribution to safety analyses undertaken by States
Mr. Neil Jonasson, IATA Asia/Pacific Office
- b) Implementation of ICAO Safety Management Requirements – The Monitoring of Safety Levels in Hong Kong ATC Operations
Mr. Fan Wai Chuen Lucius, Civil Aviation Department, Hong Kong, China
- c) Central Reporting Agency for the FANS Implementation Team for South-East Asia (FIT-SEA CRA)
Mr. Yoshiro Nakatsuji, Air Traffic Control Association, Japan

Thursday, 9th June 2005

Session 3:

- a) RVSM – Safety Considerations in Planning and Implementation
Mr. Sydney Maniam, RVSM/TF Chairman, Civil Aviation Authority of Singapore
- b) MAAR's Activities with regard to RVSM Safety Assessments, Traffic Sampling, State Reporting Formats, Analyses and Reporting
Dr. Paisit Herabat, Monitoring Agency for the Asia Region (MAAR), AEROTHAI
- c) How Safety Assessments and Monitoring are conducted – The Essential Elements & What States need to provide to MAAR
Dr. Paisit Herabat, Monitoring Agency for the Asia Region (MAAR), AEROTHAI

APPENDIX

d) Outline of Recommended Guidelines for ADS/CPDLC Deployment
Mr. Hiroshi Matsuda, Air Traffic Control Association, Japan

e) Incident Reporting and Data Collection
Mr. Robert Butcher, Airservices Australia

Session 4:

a) Description of the Roles, Responsibilities and Functions of Airspace Safety Organizations – RASMAG, RMAs, SMAs, CRAs, FITs etc.
Mr. Andrew Tiede, ICAO Regional Officer ATM

b) Collision Risk Modelling, Technical Risk, Risk from Operational Errors, Target Level of Safety – An Explanation in Simple Terms
Mr. Brian Colamosca, US Federal Aviation Administration

c) Safety Assessment and Monitoring in Japan's domestic RVSM Implementation
Mr. Takashi Imuta, Civil Aviation Bureau, Japan

Friday, 10th June 2005

Session 5:

a) Finance Arrangements – Mechanisms to facilitate collaborative funding of safety monitoring agencies
Dr. Paul Hooper, ICAO Regional Officer, Air Transport

b) Risk Analysis
Mr. Toby Farmer, Civil Aviation Authority of New Zealand

c) Hazard Identification Methodologies and Hazard Mitigation Strategies
Mr. Robert Butcher, Airservices Australia

d) ICAO Regional Airspace Planning, Implementation and Safety Arrangements
Mr. Andrew Tiede, ICAO Regional Officer ATM

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