

INTERNATIONAL CIVIL AVIATION ORGANIZATION
MIDDLE EAST OFFICE
ICAO SPECIAL IMPLEMENTATION PROJECT (SIP)
WORKSHOP ON
THE DEVELOPMENT OF BUSINESS CASE FOR THE
IMPLEMENTATION OF CNS/ATM SYSTEMS

(CAIRO, 6 - 9 SEPTEMBER 2004)

SUMMARY OF DISCUSSIONS

1. INTRODUCTION

1.1 The Workshop was conducted within the framework of Special Implementation Projects for the year 2004. The objective was to provide States in the Middle East Region with a better understanding of developing business case for the implementation of CNS/ATM systems using a progressive, cooperative, cost-effective approach leading to a seamless Global ATM system.

1.2 The workshop was attended by a total of 46 participants from 10 States. The list of participants and speakers is available in the **Attachment A** to this report. Mr. A. Zerhouni, ICAO Regional Director, Middle East Region, opened the workshop. Mr. M. Zarroug Regional Officer, Air Transport, ICAO Middle East Office acted as Secretary for the workshop.

1.3 Mr. C. Mustapha, Economist/Air Transport Bureau, ICAO HQ Montreal and Mr. Hindupur Sudarshan Technical Officer, Regional Affairs, ICAO HQ Montreal were the facilitators of the workshop.

2. WORKSHOP PRESENTATIONS AND DISCUSSIONS

2.1 On the first day of the workshop, participants were provided with basic presentations, which covered technology and operational aspects of CNS/ATM systems, implementation considerations, and institutional issues. The workshop noted that significant progress was being made to implement CNS/ATM systems worldwide including in the Middle East Region. The workshop recognized the importance of ongoing interregional coordination for ensuring harmonized implementation of CNS/ATM systems so as to achieve a seamless and integrated global ATM system.

2.2 On the second day, the workshop discussed the core subjects of business case development such as Traffic Forecasts, Economic assessment, Cost/benefit methodology and Financial analysis including funding. It was noted that risk management played an important role in the formulation of the business case.

2.3 On the third day and initial part of fourth day, the workshop attendees participated in the guided exercise for the development of business case for the implementation of CNS/ATM systems on the basis of draft guidance material developed by ICAO Secretariat. Through the use of workstations and the trial version of the business case software, which were provided to each State during the workshop, the participants acquired a hands-on experience in the development of business case for the implementation of CNS/ATM systems. It was observed that the business case software requires further improvements in order to make it more robust and user friendly, before it reaches maturity.

2.4 On the latter part of fourth and last day, the workshop was provided with an overview of regional developments in the modernization of air navigation systems and the follow-up action required by States on the outcome of Eleventh Air Navigation Conference.

2.5 In the concluding session, participants appreciated the format and contents of the workshop that has brought out the importance of the development of business case for the implementation of CNS/ATM systems as well as professional conduct of intensive hands-on exercise using individual workstations and software.

3. RECOMMENDATIONS

As a result of discussions, the workshop developed following recommendations, which are to be addressed by ICAO and States as appropriate.

3.1 States when implementing CNS/ATM systems should ensure that the facilities and services necessary to implement these systems are in accordance with the Middle East Air Navigation Plan and ICAO SARPs and PANS.

3.2 States are urged to implement WGS-84 Coordinate System. States are encouraged to implement GNSS for enroute and NPA operations.

3.3 ICAO is requested to continue and enhance the ongoing intra and interregional coordination for planning, implementation and harmonization of CNS/ATM Systems.

3.4 ICAO is requested to expedite the finalization, publication and distribution of the guidance material on the development of business case for the implementation of CNS/ATM systems.

3.5 ICAO is requested to finalize the business case software and make it more robust and more user friendly. In a second step, it is suggested to examine the possibility of making it web-based.

3.6 ICAO is requested, after the publication of the guidance material, to continue its assistance to States in the field of economic and financial aspects of air navigation services including the implementation of CNS/ATM systems.