



International Civil Aviation Organization

**SPECIAL IMPLEMENTATION PROJECT (SIP) ON ATS
INTER-FACILITY DATA COMMUNICATION
IMPLEMENTATION SEMINAR**

Bangkok, Thailand, 12-13 October 2010

Agenda Item 2: Review requirements of Implementation of AIDC in the APAC Region

**ATS INTER-FACILITY DATA COMMUNICATION (AIDC)
IMPLEMENTATION SEMINAR**

(Presented by the Secretariat)

SUMMARY

Requirement of reliable and error free coordination across FIRs to enhance safety has been recognized globally. Implementation of AIDC to replace the conventional voice coordination hence has become an urgent necessity. To facilitate early implementation of AIDC in the region and to provide necessary guidance to the States, **a seminar on the subject is being organized at ICAO APAC Office on 12 and 13 October 2010.**

This paper provides information on the seminar and invites participation in the same and urges the States to participate in it.

1. INTRODUCTION/

1.1 Regional performance framework was adopted by APANPIRG through its Conclusion C 19/1 to meet ICAO planning objective of achieving performance based global air traffic management system through the implementation of air navigation systems and procedures in a progressive, cost-effective and cooperative manner. Regional performance objectives taking into account user expectations are mapped against regional work programmes through regional performance framework forms (PFF). 'Implementation of ATS Inter-Facility Data Communication (AIDC) in Asia/Pacific Region' has been identified as a significant regional planning initiative and PFF APAC CNS 4 adopted by APANPIRG/19 has been accepted by APANPIRG to track its implementation progress.

1.2 APANPIRG/19 while reviewing the status of implementation of AIDC in the region agreed that introduction of AIDC between ATS facilities would significantly reduce the coordination errors observed in controller to controller verbal communication across FIR boundaries. The meeting also reiterated that States should work towards implementation of compatible AIDC capabilities between neighboring ATS facilities as soon as possible, in accordance with the regional air navigation plan and the available guidance material, including Asia/Pacific AIDC ICD. To stress on the importance of early implementation of AIDC in the region, meeting adopted following Conclusion:

Conclusion 19/19 – Implementation of AIDC in Asia and Pacific Regions

That, States be urged to expedite implementation of AIDC between neighboring ATS facilities in accordance with the Regional Air Navigation Plan and the Asia/Pacific AIDC ICD.

2. DISCUSSION

2.1 APANPIRG has noted with concern that the coordination errors across FIR boundaries are the most crucial aspect of RVSM operations. APANPIRG agrees that introduction of AIDC between adjacent ATS facilities will significantly reduce the coordination errors observed in controller to controller verbal communication across FIR boundaries. It has been reiterated that States should work towards implementation of AIDC capabilities with their neighboring FIRs as soon as possible.

2.2 Recognizing the benefits that would accrue from a common Global Interface Control Document (ICD) for the AIDC, the APANPIRG/20 meeting in September 2009 supported the work to coordinate a global ICD for AFTN based AIDC and invited the Asia/Pacific Regional Office to act as the regional point of contact for this work. There is a need for States to understand the latest version of the ICD for AIDC adopted by APANPIRG.

2.3 A seminar addressing and promoting implementation of AIDC between ATC units in the APAC Region will support enhancement of safety of operations.

2.4 It has been agreed that complexities are being faced by the States in implementing AIDC between adjacent ANSPs. In order to facilitate early implementation of AIDC in the region and to address related issues and concerns being faced by the States, a Seminar on ‘ATS Inter-Facility Data Communication (AIDC) Implementation’ is being organized at ICAO Asia Pacific Regional Office. Invitation for nominations to participate in the seminar was issued by ICAO APAC office, through its State Letter dated 15 July 2010. The Seminar is being organized as an ICAO Special Implementation Project (SIP) with an objective to provide to the participants an up-to-date implementation guidance and information regarding AIDC and share experience gained/lessons learnt by the States, which have implemented AIDC in their administration.

2.5 It may be noted that the seminar, in addition to reviewing the related guidance documents, will also review the status of implementation of AIDC in regions. Seminar is expected to discuss the technical and operational aspects related to the implementation of AIDC.

2.6 The seminar would take participants through requirements and guidance material relating to AIDC in order to:

- a) recognize the automation needs for using AIDC as means of mitigating errors in controller to controller verbal coordination;
- b) develop a clearer understanding about the requirements for implementation of AIDC between ATC units;
- c) develop an appreciation for and familiarity with ICAO provisions and guidance materials including regional AIDC ICD pertinent to implementation;
- d) highlight issues that are at the disposal of States and that may need to be addressed to achieve implementation.

3. ACTION BY THE MEETING

3.1 The meeting is invited to note the information provided in this paper and the relevance and objectives of the Seminar.
