



*International Civil Aviation Organization*

**AERONAUTICAL TELECOMMUNICATION  
NETWORK IMPLEMENTATION  
COORDINATION GROUP – EIGHTH  
WORKING GROUP MEETING (ATNICG WG/8)**

**AIRWAYS**  
NEW ZEALAND

Christchurch New Zealand  
28 September – 1 October 2010

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**Agenda Item 12: Review newly developed AIDC Implementation Plan and review global AIDC ICD**

**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 in ICAO APAC Office on 12 and 13 October. This paper provides information on the seminar and invites participation in the same.

This paper relates to:

Strategic Objectives: A-Safety; D-Efficiency

Global Plan Initiatives: GPI – 22 Communication Infrastructure

**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 adopted by APANPIRG to track 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.

1.3 CNS/MET Sub Group of APANPIRG, in its Thirteenth meeting (2009) was informed about the proposal to hold an AIDC Workshop by the end of 2009 to facilitate early implementation of AIDC, but this workshop could not be organized in 2009.

**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 It may be reminded that ATNICG was tasked with resolving the pending issues of implementing AIDC in the region. As a follow up of this task, ATNICG/3 discussed outstanding matters in respect of ATN/AMHS transition support to AIDC as indicated in Section 3.2 of Part II of the AIDC ICD and agreed to keep it in the work programme of ATNI CG and CNS/MET SG. It was agreed that AFTN/ATN Gateway Architecture to exchange AFTN/AIDC messages over ATN could be used for the purpose of implementing AIDC over ATN.

2.3 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 in ICAO Asia Pacific Office premises on 12 and 13 October 2010. Invitation for nominations to participate in the seminar was issued by ICAO APAC office, through its State Letter dated 15 July 2010. Last date of receipt of nominations is 30 September 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.

2.4 A copy of the Provisional Agenda for the seminar is placed as an **Attachment** to this paper. It may be noted that the seminar, in addition to reviewing the related regional guidance documents, will also review the status of implementation of AIDC in other regions. Seminar will be discussing the technical and operational aspects related to the implementation of AIDC.

**3. Action Required**

3.1 The meeting is:

- a) Invited to note the relevance and objectives of the seminar; and
- b) Encouraged to draw benefits from the seminar by ensuring participation

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International Civil Aviation Organization

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

Bangkok, Thailand, 12-13 October 2010

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**PROVISIONAL AGENDA**

- Objectives:** Provide to the participants up-to-date implementation guidance and information and share experience gained/lessons learnt by those States which have implemented AIDC
- Agenda Item 1:** Adoption of Agenda
- Agenda item 2:** Review requirements of implementation of AIDC in the APAC Region
- The meeting is expected to review the background of SIP Seminar. Significant operational advantages of using AIDC over voice communication for ATS coordination across the FIRs and FASID Table CNS 1E
- Agenda Item 3:** Review version 3 of the Asia/Pacific ICD for AIDC
- Status of AIDC implementation in the region;
  - AIDC ICD versions and complexities caused due to the requirement for one ATS Unit to use different versions of AIDC with various adjoining ATS Units;
  - The status of harmonization process between APAC and NAT Region on the AIDC ICD i.e. Status of global harmonized ICD for AIDC.
- Agenda Item 4:** Review of experience gained and lessons learned in the implementation of AIDC
- To address AIDC Implementation complexities and issues/processes to be considered;
  - review States experience in the implementation of AIDC based on the current ICD
- Agenda Item 5:** Develop Template for bilateral letter of agreement on AIDC
- Technical and Operational Training requirements of using AIDC;
  - Operational complexities of using AIDC;
  - Timing of exchanges.
- Agenda item 6:** Technical development – compatibility of AIDC implementation
- Status of implementing AIDC over IP;
  - Status of development of ATN AIDC.
- Agenda Item 7:** Review outcome of OPLINKP/1 on AIDC and activities of ACP on AIDC
- Agenda Item 8:** Other issues related to AIDC implementation
- Testing the exchange of AIDC messages between all adjoining ATS Units;
  - Making provision for system upgrades (software or data).
- Agenda Item 9:** Any Other Business