International Civil Aviation Organization

THE FIFTH MEETING OF AERONAUTICAL TELECOMMUNICATION NETWORK (ATN) IMPLEMENTATION CO-ORDINATION GROUP OF APANPIRG (ATNICG/5)

Kuala Lumpur, Malaysia, 31 May – 4 June 2010

Agenda Item 14: **Review Tables and Charts for ground-to-ground part of the CNS FASID Table CNS 1E – AIDC Implementation Plan**

REVIEW OF PERFORMANCE FRAMEWORK FORM FOR ATN

(Presented by the Secretariat)

SUMMARY

This paper presents the Performance Framework Form for the Implementation of ATN in Asia and Pacific Region adopted in the last ATNICG meeting for review. The Form was originally prepared in line with the recent guidance provided by ICAO headquarters. The form provides information on various tasks to be completed for implementation and also provides information on the implementation schedule and status. The meeting is invited to review the form and update it wherever required.

Strategic Objective:
D. Efficiency – enhance the efficiency of aviation operations

Global Plan Initiatives:
GPI-22 – Communication Infrastructure

1. Introduction

1.1 Aviation environment, including ICAO, industry and the States have been steadily moving towards a performance based approach to planning. In this approach, planning is expected to be directed towards one or more of the eleven ATM Community Expectations included in the *Global ATM Operational Concept* (Doc 9854). These expectations are also referred to as Key Performance Areas (KPAs). To support this approach, *Manual on Global Performance of the Air Navigation System* (Doc 9883) has been developed, which provides a step by step approach to performance based planning on the basis of the KPAs identified in the operational concept.

1.2 These forms updated from time to time will be used for the assessment of progress in meeting the plan objectives and will also reflect the changing requirements.

2. Discussion

2.1 Performance Framework Form for the implementation of Aeronautical Telecommunication Network (ATN) for Asia Pacific Region was developed and was reviewed by ATNICG in its last meeting. It is now proposed to review the PFF once again in light of the developments that have taken place.

2.2 ICAO, through its Sate Letter dated 14 April, 2009 circulated the short term procedure for Global AMHS address communication developed by Air Traffic Services (ATS) Inter-Regional Coordination Team (IRC Team) with the endorsement of European Air Navigation Planning Group (EANPG). The letter, through its attachment defined the coordination procedure required to be adopted by the States. Draft PFF attached to this paper recommends amendment to accommodate the requirements of the procedure specified by ICAO. The amended PFF also includes regional plans for the implementation of AMHS connectivity between the BBIS hubs and the BIS hubs as the next step.

2.3 The meeting is invited to review the information provided in the Performance Framework Form placed at Attachment A and formulate following Draft Decision recommending the adoption of this PFF by APANPIRG through CNS/MET SG.

Draft Decision 5/x: ATN Implementation in Asia/Pacific Region – PFF

That, the draft Performance Framework Form (PFF) for the 'Implementation of Aeronautical Telecommunication Network (ATN) for Ground-Ground Network' placed at **Attachment A** be adopted.

3. Recommended Action

3.1 The meeting is invited to review the PFF provided at Attachment A and formulate the Draft Decision in paragraph 2.3

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APPENDIX A

ASIA/PACIFIC REGION

PERFORMANCE FRAMEWORK FORM
(REGIONAL)

REGIONAL PERFORMANCE OBJECTIVE: - APAC-06 **IMPLEMENTATION OF AERONUTICAL TELECOMMUNICATION NETWORK (ATN) FOR GROUND – GROUND COMMUNICATION NETWORK**	
Benefits	
Safety	• Will provide reliable means of communication for Air Navigation Services, with the provision of automatic switching capability, in the event of failure of current media
Efficiency	• Routers will have the capability of choosing between different media based on defined criteria. • Multiplicity of protocols used for different communication requirements will be avoided; • Provision for lower case characters and graphic message included;

Strategy
Implementation strategy, short term (2009-2012)

ATM OC COMPONENTS	**TASKS**	**TIME FRAME**	**RESPONSIBILITY**	**STATUS**
SDM *(ATM Service Delivery Management)*	Ensure implementation of Ground to Ground Aeronautical Telecommunication Network (ATN) in the Asia and Pacific Regions			
	• Review the ATN Implementation Strategy, revise it when necessary taking into account the current developments.	2010	ATNICG.	The strategy to be reviewed and updated by ATNICG/5 Meeting scheduled to be held from 31 May to 4 June 2010
	o Review the Status of implementation of ATN at the Backbone Boundary Intermediate System hubs	2010	ATNICG	ATNICG to review the progress of ATN Implementation in its Fifth Meeting
	• States hosting Backbone Boundary Intermediate Stations to organize Testing of their system on bilateral basis	2010	States hosting Backbone Boundary Intermediate Systems	States to report the outcome of pre-operational trials/tests carried out by them at the ATNICG/5 meeting

(amended 24 March 2009)

	• Implementation of AMHS Directory Service. Availability of off-line support by Eurocontrol AMC considered essential for the efficient management of AMHS Addresses. ICAO HQ has directed the States to register the operating personnel with AMC.	2010	ICAO Asia/Pacific Office, Aerothai.	Progress made in the registration of operators with AMC and entering of data into AMC to be reviewed by ATNICG/5
	• States hosting Backbone Boundary Intermediate System hubs to implement dual stack ATN (ATN over OSI and ATN over IPS). APANPIRG, through Conclusion 19/20 urges States to complete the implementation of dual stack ATN by 2011	2011	Asia and Pacific Region States hosting Backbone Boundary Intermediate Systems	States hosting BBIS hubs have been reminded of APANPIRG Conclusion 19/20 and urged to complete the installation by 2011
	• Completion of Networking with the BIS States	2012	Asia and Pacific Regions States	Some States started implementation and conducted operational trials
	• Review if implementation objectives have been met.	2009 - 2012	ATNICG	ATNICG to periodically review the status and dreiction in which the implementation is progressing and to ensure that the implementation efforts are leading towards the defined objectives
GPIs	GPI/17: Data link applications, GPI/22: Communication infrastructure			
References	• *Annex 10, Aeronautical Telecommunications, Volume III (Part I – Digital Data Communication Systems)* • *Manual on Detailed Technical Specifications for the Aeronautical Telecommunications Network (ATN) using ISO/OSI (Doc 9880)* • *ICAO Aeronautical Telecommunication Network (ATN) Manual for ATN using IPS Standards and Protocols (Doc 9896)* • *Manual on Required Communication Performance (Doc 9869)* • *Comprehensive Aeronautical Telecommunication Network (ATN) Manual (Doc 9739)* • *Manual of Technical Provisions for the Aeronautical Telecommunication Network (Doc 9705)* • *Regional Implementation guidance materials adopted by APANPIRG*			