

International Civil Aviation Organization



**THE SIXTH MEETING OF AERONAUTICAL
TELECOMMUNICATION NETWORK (ATN)
IMPLEMENTATION CO-ORDINATION GROUP
OF APANPIRG (ATNICG/6)**



Seoul, Republic of Korea, 16 - 20 May 2011

Agenda Item 9: Review and update Performance Framework Objective 8 and Action Items

**PERFORMANCE FRAMEWORK FORM
“IMPLEMENTATION OF AERONAUTICAL TELECOMMUNICATION
NETWORK FOR GROUND-GROUND NETWORK”**

(Presented by the Secretariat)

SUMMARY

Performance based approach has been adopted by ICAO in its planning activities. Performance Framework Forms (PFFs), in line with the performance based approach have been developed to track the implementation status of various projects. This paper presents the PFF for the implementation of ATN in the region.

1. INTRODUCTION

1.1 ICAO has adopted a performance based planning approach to meet its objectives. In line with that approach, APANPIRG adopted following Conclusion to defining the method to achieve its ATM objective in a progressive, cost-effective and cooperative manner:

Conclusion 19/1 – Regional Performance Framework

That, a regional performance framework be adopted on the basis of ICAO guidance material and aligned with the Global Air Navigation Plan and the Global ATM Operational Concept. The performance framework should include identification of regional performance objectives taking into consideration user expectations (to be mapped against current work) and completion of regional performance framework forms based on the sample shown in Appendix A to the report on Agenda Item 3.

1.2 Based on the sample Performance Framework Form, adopted by APANPIRG/19, a PFF for the “Implementation of Aeronautical Telecommunication Network (ATN) for ground-ground network was adopted by APANPIRG/20 on the basis of recommendation made by the ATNICG and CNS/MET Sub Group.

1.3 The PFF adopted by APANPIRG/20 was reviewed in ATNICG, CNS/MET Sub Group recommended for adoption by APANPIRG/21.

2. DISCUSSION

2.1 Performance Framework Forms have been developed to track the status of implementation of various projects in the organization. Schedule of various activities leading to the implementation of projects have been included in the form along with their planned completion dates. The form gives a very comprehensive picture of the implementation plan.

2.2 APANPIRG/21 took up for review the Performance Framework Forms for the CNS and MET fields, that were adopted by APANPIRG/20 through Conclusion 20/2. Reviewed and updated PFFs were adopted by APANPIRG through Conclusion 21/51.

2.3 PFF for the ‘Implementation of Aeronautical Telecommunication Network (ATN) for Ground-Ground Communication Network (APAC Objective 8), adopted by APANPIRG/21 is placed as an Attachment to this paper. Meeting may review the status of completion of various implementation actions.

3. ACTION REQUIRED BY THE MEETING

3.1 The meeting is invited to review the information provided in PFF for the Implementation of Aeronautical Telecommunication Network (ATN) for ground-ground communication network (APAC Objective 8) and update it where required.

ASIA/PACIFIC REGION

**PERFORMANCE FRAMEWORK FORM
(REGIONAL)**

(Amended in July 2010)

REGIONAL PERFORMANCE OBJECTIVE: - <u>APAC Objective 8</u>				
IMPLEMENTATION OF AERONUTICAL TELECOMMUNICATION NETWORK (ATN) FOR GROUND – GROUND COMMUNICATION NETWORK				
Benefits				
Safety	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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 <i>(ATM Service Delivery Management)</i>	Ensure implementation of Ground to Ground Aeronautical Telecommunication Network (ATN) in the Asia and Pacific Regions			
	<ul style="list-style-type: none"> <u>Review the ATN Implementation Strategy</u>, revise it when necessary taking into account the current developments. 	2010	ATNICG.	The strategy was updated by ATNICG/5 Meeting held from 31 May to 4 June 2010 and endorsed by the CNS/MET SG/14 in July 2010
	<ul style="list-style-type: none"> <u>Review the Status of implementation of ATN at the Backbone Boundary Intermediate System hubs</u> 	2010	ATNICG	ATNICG reviewed the progress of ATN Implementation in its Fifth Meeting
	<ul style="list-style-type: none"> <u>States hosting Backbone Boundary Intermediate Stations</u> to organize Testing of their system on bilateral basis 	2010	States hosting Backbone Boundary Intermediate Systems	States reported the outcome of pre-operational trials/tests carried out by them at the ATNICG/5 meeting
	<ul style="list-style-type: none"> <u>Implementation of AMHS Directory Service</u>. 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. 	2011	ICAO Asia/Pacific Office, Aerothai.	Progress made in the registration of operators with AMC and entering of data into AMC to be further reviewed by ATNICG/6

	<ul style="list-style-type: none"> • <u>States hosting Backbone Boundary Intermediate System hubs to implement dual stack ATN</u> (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
	<ul style="list-style-type: none"> • <u>Completion of Networking with the BIS States</u> 	2012	Asia and Pacific Regions States	Some States started implementation and conducted operational trials
	<ul style="list-style-type: none"> • <u>Review if implementation objectives have been met.</u> 	2009 - 2012	ATNICG	ATNICG to periodically review the status and direction 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	<ul style="list-style-type: none"> • <i>Annex 10, Aeronautical Telecommunications, Volume III (Part I – Digital Data Communication Systems)</i> • <i>Manual on Detailed Technical Specifications for the Aeronautical Telecommunications Network (ATN) using ISO/OSI (Doc 9880)</i> • <i>ICAO Aeronautical Telecommunication Network (ATN) Manual for ATN using IPS Standards and Protocols (Doc 9896)</i> • <i>Manual on Required Communication Performance (Doc 9869)</i> • <i>Comprehensive Aeronautical Telecommunication Network (ATN) Manual (Doc 9739)</i> • <i>Manual of Technical Provisions for the Aeronautical Telecommunication Network (Doc 9705)</i> • <i>Regional Implementation guidance materials adopted by APANPIRG</i> 			