



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 15: Review the Subject/Tasks List of the ATN Implementation
Coordination Group and develop future work programme of the group**

REVIEW ATNICG SUBJECT/TASKS LIST

(Presented by the Secretariat)

SUMMARY

List of Subject/Tasks assigned by APANPIRG to the ATNICG is reviewed periodically to assess the requirement of its update. This paper presents the Subject/Tasks list which was adopted by APANPIRG/20 in September 2009 and recommends some changes/updates.

1. Introduction

1.1 Terms of Reference and list of Subject and Tasks assigned to Aeronautical Telecommunication Network Implementation Coordination Group (ATNICG) were adopted by the Asia Pacific Air Navigation Planning and Implementation Regional Group (APANPIRG) in its Sixteenth Meeting (2005) through its Decision 16/31. The objective assigned to the Group was to ensure satisfactory transition from AFTN to ATN without causing any disruption to services. In addition to the new tasks assigned to the Group, a number of tasks pending from the ATN Transition Taskforce were also added in the list.

1.2 Thought the Terms of Reference have remained more or less un-changed, the Subject/Tasks list has been revised periodically to meet the requirements of changing implementation environment and to take into account the implementation issues faced from time to time.

1.3 Last updates to the Subject/Tasks List were adopted by APANPIRG/20 through its Decision 20/26. A copy of the list adopted by APANPIRG is placed at **Attachment** to this paper.

2. Discussion

2.1 The Subject/Tasks assigned by APANPIRG to ATNICG have been revised keeping in view the changing implementation environment and to accommodate new issues as when they arise. Last time the Subject/Tasks lists were revised by APANPIRG in its Twentieth Meeting held in September 2009.

2.2 In the Sixth Meeting of ATNICG Working Group (ATNICG WG/6), held in Hua Hin, Thailand from 22 to 25 September 2009, the WG was reminded about the requirement of amending the documents on the basis of PDRs adopted in Aeronautical Communication Panel (ACP) meetings. The issue of anomaly reports raised in the region was also discussed and it was agreed that these reports should be raised in the same format as PDRs. The Working Group was of the view that a Task needs to be incorporated in the Subject/Tasks list to meet the requirement of tracking the PDRs adopted in ACP and for following up the reports raised at the regional level. Thailand was requested to lead this Task Group. Aeronautical Radio of Thailand assured the meeting to convey its ability to lead the group in the next ATNICG WG meeting. The meeting is invited to review the list and consider proposing inclusion of an additional task as agreed in the Working Group meeting.

2.3 In the meantime, it has been informed that an issue regarding PDRs was raised in the last meeting of ACP Working Group – Maintenance (M) held in Montreal from 16 to 19 November 2009. Explaining the background, Working Group was informed that though the guidance material and SARPS had been published, changes were often felt necessary as a result of lessons learnt and problems faced during technical and operational evaluations. These changes were brought to the ACP WG-M as Proposed Defect Reports (PDRs). WG-M considered them and where required, modified the relevant documents.

2.4 It was however felt that representation in WG-M is largely from the US and EUROPE, who were providing PDRs for consideration and there was very little input from other regions. It was recommended in the meeting that when the States do not participate in the WG-M, their points for PDRs could be routed through the ICAO Regional Office.

2.5 It is however proposed that the points for PDRs in the region may first be presented to ICAO APAC Office. These points will be taken up for discussion in the ATNICG or ATNICG Working Group (whichever is scheduled earlier) and then the Secretariat will forward the points along with the ATNICG/ATNICG WG recommendations to the ACP WG-M Secretariat for consideration. Meeting is invited to consider following Draft Conclusion for adoption on this issue:

Draft Conclusion 5/xx - Points for Proposed Defect Report (PDR) raised in the region

That,

States may present their ATN/AMHS implementation related Points for Proposed Defect Report (PDR) to the ICAO APAC Office. These points will be presented to the ATNICG/ATNICG Working Group meeting (whichever is scheduled earlier) by the Secretariat for endorsement, so that these Points, along with ATNICG/ATNICG WG recommendation can be forwarded to ACP WG-M Secretariat through ICAO Asia Pacific Office.

3. Action Recommended

3.1 The meeting is invited to:

- a) review the Subject/Tasks list and consider updating it where required; and
- b) consider recommending Draft Conclusion mentioned in paragraph 2.5 for adoption by APANPIRG.

No.	PERFORMANCE OBJECTIVE	ICAO Strategic Objective	Associated GPI	Tasks/Strategy	Benefits	Deliverables	Target Date	Leader	Supporting Members	ATNICG/4 Update
1	ATN Implementation Coordination	D. Efficiency	GPI-17, GPI-19, GPI-22	(1) Review of implementation problems and develop co-ordinated solutions (2) Coordinate/compile the regional implementation schedule	Expedite implementation activities, ensure system compatibility through out the region	(1) Co-ordination Report (2) Waterfall schedule	(1)Ongoing/Semi-annually until (2010)- (2) Schedule 09/2009	Kapoor (India)	All members	(1)Updated the information in the ATN Router and AMHS planning tables and the implementation status.(2) Waterfall schedule delivered by September 2009
2	ATN Operational Procedures	D. Efficiency	GPI-17, GPI-19, GPI-22	(1) Development of Interim Database for Directory Services	Make available real time and quality assurance addresses for ATN message delivery	(1) Interim Database	(1) (2007)	Robert Hallman (USA)	Thailand, Hong Kong China, Japan	The database was demonstrated. Aerothai will maintain the database on behalf of the regional ICAO Office. Aerothai will serve as POC for AMC coordination between Asia/Pac States and Eurocontrol. ATN Operational Procedures is completed and forward for adoption.
				(2) Develop the operational database management procedures		(2) Operational Procedures	(2) (2007)			Completed.
3	ATN Certification & Validation Process	D. Efficiency	GPI-17, GPI-19, GPI-22	(1) Develop conformance procedures and checklist for AMHS and ATN routers	Expedite implementation activities, ensure global system compatibility	(1) Checklist	(1) (2007)	Sin Hie Sng (Singapore)	China, Hong Kong China, Indonesia,ROK,USA,	Completed

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				(2) Develop validation process document		(2) Conformance Document	(2) 2007			Completed and forward to CNS/MET SG and APANPIRG/20 for review and adoption
						(3) Update to Conformance Document	(3) Ongoing until 2010			Document need to be kept up-to-date to reflect defect report from States
4	(1) ATN Documentation (2) Review all documents adopted by ATNICG and ATNTTF	D. Efficiency	GPI-17, GPI-19, GPI-22	(1) Study DIR objects/attributes proposed in ACP and follow development within other groups (2) Update document tree/establish tracking table for suspended dates (3) Standardized Report form and Guidance Material	Expedite implementation activities, ensure global system compatibility	(1) Directory Report (2) Tracking table/Updated documentation tree (3) AMC report (4) Report Form and Report Guidance	(1) Annually until (2010) (3) Periodically (4) 2010	Chonlawit B. (Thailand)	USA	Update the database.
				(2) Development AIDC documentation (including ICD) and follow development within other groups		(2) AFTN AIDC/ATN Gateway Specification ATN AIDC ICD	(2) 2008 (ACP-dependent)	(Thailand)	Thailand	Postpone development of ATN-based AIDC ICD. Awaiting new format developed by OPMET Panel
				(3) Update of AMHS ICD to comply with SARPs 3rd Edition		(3) Updated AMHS ICD	(3) (2007)		Japan	Provided to ATNICG/2 for endorsement. Adopted by APANPIRG/18. Completed

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5	ATN Performance	D. Efficiency	GPI-17, GPI-19, GPI-22	(1) Develop/establish/adapt/monitor/identify/analyse performance indicators	Assure QOS, service continuity, timely delivery of services	(1) AMHS performance report	(1) Annually until (2010)	Japan	Republic of Korea, India	Review and update at ATNICG WG/6
6	ATN Service Enhancements	D. Efficiency	GPI-17, GPI-19, GPI-22	(1) Review the impact of the implementation of Directory Services in the Region	Enhancing the service	(1) Report on directory	(1) Annually until (2010)	Fiji	USA, Thailand, New Zealand, Japan, Australia	Complete. AMC has been adopted by ICAO. Aerothai has been designed as POC for Asia/Pac region
				(2) Development of profiles for the directory access and exchange protocols (Ref. Decision 7/9)	Enhancing the operation	(2) Report on profiles	(2) (2011)	Fiji		
				(3a) Study IPv4 vs. IPv6 implementation, operational and transition impacts (3b) Investigation 9880 standard	Inbter-regional network compatibility	(3) Report (4) Report	(3) 2011 (4) 2009/2010 (WG/6 and ATNICG/5)	Singapore	Australia, China, India, Fiji, HongKong, China, Japan, and USA	(4) USA will draft report
				(4) Study for transition to BUFR code	Enhancing the service	(4) Report on the impact of BUFR code to ATN	(4) (2007)	Japan	New Zealand, USA,	Closed. BUFR code is no longer considered. Awaiting OPMET Panel for Meteorological message format.

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				(5) Study for transition of AFTN-based AIDC as an alternative to ATN based AIDC to ATN environment	Improving the service and lowering the operating cost	(5) Report on the impact of transition of AFTN-AIDC to ATN-AIDC AFTN AIDC/ATN Gateway Specification	(5) (2008)	Thailand	India, Indonesia, New Zealand, USA,	A Draft specification of AFTN AIDC/ATN Gateway was presented.
		D. Efficiency	GPI-17, GPI-19, GPI-22	Analyze Common Address Prefix Proposal	Improving the service and routing efficiency	Report on common prefix based analysis conducted	End of 2008	Mark Brown (Japan)	Australia, Fiji, HongKong China, New Zealand and USA	Action Items developed at ATNICG/2 for follow-up at WG meetings.
7	Security	B. Security	GPI-17, GPI-19, GPI-22	(1) Develop ATN System Security policy	Safe and Secure Inter and Intra Regional Communication and service infrastructure	(1) Policy Document	(1) Annually until (2010)	Vidyut Patel (USA)	Australia, Hong Kong China	Adopted by APANPIRG/19
				(2) Develop ATN System Security Guidance		(2) Guidance Document	(2) (2008)			On-Going review and update
				(3) Develop ATN System Security Solution for Initial and Enhanced Services		(3) Security, Technical, Management and Operational Control	(3) (2008)			On-Going review and update

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				(4) Co-ordinate and monitor ACP working group and other regions including Directory Service, PDRs		(4) Report	(4) Semi-Annually until (2010)		Thailand	On-Going review and update
				(5) Develop ATN System Security Check List based on Security Control and Regional Incident Response Plan and Contingency Plan		(5) Check List, Regional Incident Response Plan and Contingency Plan	(5) (2009)			Forward to CNS.MET SG and APANPIRG for review and adoption
8	ATN Service Enhancements (supporting amended ICAO Flight Plan and ATS Message Formats)	D - Efficiency	GPI - 17, GPI - 19, GPI - 22	1) Review the impact of the implementation of Amendment 1 to 15th Edition of Doc. 4444 effective 15 Nov. 2012 (PANS ATM Chapter 4 and Appendix 3 relating to the ICAO Flight Plan and associated ATS Message formats to the AFS	Enhancing the service	1) Report on capability of existing and planned AFS systems to the revised ICAO Flight Plan and ATS Message Format	1) Annually until 2011	USA	Fiji India Hong Kong New Zealand Singapore USA	Pending result from ICAO Flight Plan and ATS Message TF
				2) Identify the new requirements for AMHS/AFTN to support new message format	Enhancing the operation	2) Report on impact of New ATS message format in AMHS	2) 2010	Thailand	Fiji India Hong Kong New Zealand Singapore USA	On-going task-Report at ATNICG/4
				3) Identify the link control procedure using the AMHS to support the revised ATS message format to the ATC automation system	Enhancing the service	3) Report whether special link control procedure is required	3) 2010	Thailand	Fiji India Hong Kong New Zealand Singapore USA	On-going task

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	<p>The ATN PERFORMANCE OBJECTIVE</p> <p>The APAC ATN ground-to-ground infrastructure will be fully operational 53 percent at 23 locations by December 2007.</p> <p>(GPI-22) COMMUNICATION NETWORK INFRASTRUCTURE</p> <p>Related ATM objectives: AMSS; HF data; VHF data; SSR Mode S; ATN</p> <p>Scope: To evolve the aeronautical mobile and fixed communication infrastructure, supporting both voice and data communications, accommodating new functions as well as providing the adequate capacity and quality of service to support ATM requirements.</p> <p>(GPI-19) METEOROLOGICAL SYSTEMS</p> <p>Objective: To improve the availability of meteorological information in support of a seamless global ATM system.</p> <p>(GPI-17) IMPLEMENTATION OF DATA LINK APPLICATIONS</p> <p>Scope: Increase the use of data link applications</p> <p>Related ATM objectives: Application of data link; Functional integration of ground systems; with airborne systems; ATS inter-facility data communication (AIDC)</p>									

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