

International Civil Aviation Organization



**THE FIRST MEETING OF AERONAUTICAL
COMMUNICATION SERVICE (ACS)
IMPLEMENTATION CO-ORDINATION GROUP
OF APANPIRG (ACSICG/1)**

Seoul, Republic of Korea, 13 - 16 May 2014



Agenda Item 10: Review and update Subject/Tasks List and Actions Items List ETC.

**AERONAUTICAL COMMUNICATION SERVICES IMPLEMENTATION
COORDINATION GROUP (ACSICG) SUBJECT/TASKS LIST**

(Presented by the Secretariat)

SUMMARY

The paper presents the Subject/Task List of ACSICG for review by this meeting.

1. Introduction

1.1 The new name and revised Terms of Reference of the Aeronautical Communications Services Implementation Coordination Group (ACSICG) were adopted by Asia Pacific Air Navigation Planning and Implementation Regional Group (APANPIRG), through its Decision 24/31 of the Twenty Fourth meeting held in 2013.

1.2 The group is expected to create a list of Subject/Tasks at its first meeting. The outstanding Subject/Tasks list of ATNICG reviewed and updated by the eighth meeting of ATNICG is provided in **Attachment** to this paper.

2. Discussion

2.1 The CNS SG/17 meeting noted that the list of Subject/Tasks of ATNICG was updated by ATNICG/8 meeting.

2.2 There has been a significant change in the ATN/AMHS implementation environment in the recent years. TN over IPS has been included in Annex 10 and AN Conf/12 has adopted ASBU planning methodology and SWIM has been recommended for implementation for regions and States. Information Rich environment has become critically important for harmonized global air navigation systems and seamless ATM plan in APAC Region.

3. Action by the Meeting

3.1 The meeting is invited to review the initial draft Subject/Tasks list for ACSICG resulted from the outstanding items of the Subject/Tasks list of ATNICG. The meeting is also expected to recommend changes required for the consideration of CNS SG and APANPIRG.

No.	PERFORMANCE OBJECTIVE	Tasks/Strategy	Benefits	Deliverables	Target Date	Leader	Supporting Members	ATNICG/8 Update
1	ATN Implementation Coordination	(1) Review of implementation problems and develop co-ordinated solutions (2) Coordinate / compile the regional implementation schedule (3) Monitor Implementation	Expedite implementation activities, ensure system compatibility through out the region	(1) Co-ordination Report (2) Waterfall schedule (3) Monitor AMHS Implementation Planner	(1) On-going /Semi-annually (2) Schedule 03/2013 (3) On- going	Kapoor (India) Hong Kong, China	All members	(1) Updated the information on the ATN Router and AMHS planning tables and the implementation status (2) Completed , maintain the AMHS implementation Planner.
2	ATN Operational Procedures	(1) Development of Interim Database for Directory Services-	Make available real time and quality assurance addresses for ATN message delivery	(1) Interim Database (2) Global AMC service are used	(1) (2013)	Robert Hallman (USA)	Thailand, Hong Kong China, Japan	Completed. 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 adopted.
		(2) Develop the operational database management procedures		(2) Operational Procedures	(2) (2007)			Completed.

No.	PERFORMANCE OBJECTIVE	Tasks/Strategy	Benefits	Deliverables	Target Date	Leader	Supporting Members	ATNICG/8 Update
3	ATN Certification & Validation Process	(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
		(2) Develop validation process document		(2) Conformance Document	(2) 2007			Completed and adopted by APANPIRG
				(3) Update to Conformance Document	(3) Ongoing until 2010			Completed
4	(1) ATN Documentation (2) Review all documents adopted by ATNICG and ATNTTF	(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 (2) Periodically (3) 2012	Jittima (Thailand)	USA	Update the database. AMC mandated by ICAO. Training completed. Directory Service will be implemented in coordination with ACP and phases will be developed.

No.	PERFORMANCE OBJECTIVE	Tasks/Strategy	Benefits	Deliverables	Target Date	Leader	Supporting Members	ATNICG/8 Update
		(2) Development AIDC documentation (including ICD) and follow development within other groups		(2) AFTN AIDC / ATN Gateway Specification ATN AIDC ICD	(2) 2014 (IRAIDTF-dependent)	(Thailand)	Thailand	Remark: Removal of provision from Doc 9880 was noted. IR AIDC ICD has been taken over by Inter-regional Task Force. Monitoring progress and provides input
		(3) Update of AMHS ICD to comply with SARPs 3rd Edition		(1) Report differences between existing ICD and requirements for Edition 3 of Doc 9705 (2) Updated AMHS ICD	(1) Sept 2011 (2) (2013)	USA	Japan	Ad-hoc group formed and consolidated APAC Technical Specification replacing AMHS ICD developed. Further verification of function are assigned to members of ATNICG WG.
		Managing PDR	Update ICAO Documents (9880 /9896)	PDR filing and tracking	On-going	USA	All the Member States	Additional Task proposed in ATNICG/5. PDR filing procedure already circulated.
5	ATN Performance	(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	Will resisit when regional IP-VPN be considered.

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6	ATN Service Enhancements	(1) Review the impact of the implementation of Directory Services in the Region	Enhancing the service	(1) Report on directory	(1) Annually	Fiji	USA, Thailand New Zealand Japan Australia	AMC directory temporarily being used. Directory service will be considered when regional IP-VPN becoming available.
		(2) Directory Service - Implementation Strategy	Enhancing the operation	Requirement Analysis Report & Implementation Strategy	(2) 2012	Thailand		Closed in view of the implementation of AMC
7	IPM Implementation	ATN/IPS Implementation Plan	Inter-regional and intra regional network compatibility	(1) ATN/IPS router ICD (2) IPS addressing plan (3) ATN/OSI - ATN/IPS Transition Plan (4) ATN/IPS routing policy (5) Update FASIS Tables to accommodate IPS (6) IDRPs over IP subnet - ICD	(1) 2011 (2) 2011 (3) 2011 (4) 2012 (5) 2011 (6) 2011	USA	Australia, China, India, Fiji, Hong Kong, China, Japan, and USA	Proposed an additional task 1) ongoing 2) IPv4 addressing plan has been adopted

No.	PERFORMANCE OBJECTIVE	Tasks/Strategy	Benefits	Deliverables	Target Date	Leader	Supporting Members	ATNICG/8 Update
		Providing support for emerging requirements of OPMET, AIS/AIM, AIDC etc.	Enhancing the service	Task Report on XML based messages over AMHS platform	2011	USA	Hong Kong China,	Additional Task proposed in ATNICG/5
		(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. Completed. Task closed in view of removal of provision from Doc 9880
8	Address Prefix	Analyze Common Address Prefix Proposal	Improving the service and routing efficiency	Report on common prefix based analysis conducted	End of 2010	Mark Brown (Japan)	Australia, Fiji, Hong Kong China, New Zealand and USA	Closed. Action Items developed at ATNICG/2 for follow-up at WG meetings.
9	Security	(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	Completed and Adopted by APANPIRG/19

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		(2) Develop ATN System Security Guidance		(2) Guidance Document	(2) (2011)			reviewed and updated - closed
		(3) Develop ATN System Security Solution for Initial and Enhanced Services		(3) Security, Technical, Management and Operational Control	(3) (2008)			Completed
		(4) Co-ordinate and monitor ACP working group and other regions including Directory Service, PDRs		(4) Report	(4) Semi-Annually		Thailand	On-Going review and update
		(5) Develop IPS Security Policy and update the relevant guidance documents		Policy and updated guidance documents	2011			Proposed additional task to facilitate ATN/IPS
		(6) 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

No.	PERFORMANCE OBJECTIVE	Tasks/Strategy	Benefits	Deliverables	Target Date	Leader	Supporting Members	ATNICG/8 Update
10	ATN Service Enhancements (supporting amended ICAO Flight Plan and ATS Message Formats)	(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 2012	USA	Fiji, India Hong Kong, China New Zealand Singapore USA	Completed. Post Monitor the performance.
		(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, China New Zealand Singapore USA	Completed
			Enhancing the operation	Develop Voice over IP point-to-point ICD	2012	USA, Japan, India		Task created in ATNICG/6

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			(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	Completed Fiji, India Hong Kong New Zealand Singapore USA
		Develop Regional Strategy for the implementation of SWIM/IMS	To meet the requirements of ASBU as recommended in AN Conf/12	Regional SWIM/IMS Implementation Strategy	2014	USA		Draft Strategy will be presented to the ATNICG WG/12 meeting for consideration by CNS SG in 2014
		Common Communication Service Provider for the region.	Will facilitate implementation of circuits/connections within the region. Will also facilitate harmonization of regional network	Joint Working Paper for the consideration of CNS SG of the APANPIRG	May, 2013	USA	Japan, Singapore, Thailand, China, Hong Kong China and New Zealand	USA, Japan, Singapore, Thailand, China, Hong Kong China & New Zealand assigned the task of preparing common Working Paper
11	Update regional ATN/AMHS implementation strategy	Update regional ATN/AMHS Implementation Strategy to include recent developments	Regional Strategy will be aligned to the changing requirements	Updated Strategy	Apr. 2014	ATNICG WG Members		Draft Strategy to be reviewed by ATNICG/13

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	<p>The ATN PERFORMANCE OBJECTIVE</p> <p>Workprogramme of ATNICG relates to ICAO Strategic Objective: Sustainability and GPS22, 19 and 17. The APAC ATN ground-to-ground infrastructure will be fully operational 80 percent at 23 locations by December 2013.</p>							<p>METEOROLOGICAL SYSTEMS</p> <p>Objective: To improve the availability of meteorological information in support of a seamless global ATM system.</p> <p>Related ATM objectives: Application of data link;</p>