



International Civil Aviation Organization

**The Twenty-Second Meeting of the APANPIRG ATM/AIS/SAR Sub-Group
(ATM/AIS/SAR/SG/22)**

Bangkok, Thailand, 25 – 29 June 2012

Agenda Item 7: Update the ATM/AIS/SAR Task List

APANPIRG ATM/AIS/SAR SUB-GROUP TASK LIST

(Presented by the Secretariat)

SUMMARY

This paper presents the ATM/AIS/SAR/SG Task List for review.

This paper relates to –

Strategic Objectives:

A: Safety – Enhance global civil aviation safety

C: Environmental Protection and Sustainable Development of Air Transport – Foster harmonized and economically viable development of international civil aviation that does not unduly harm the environment

Global Plan Initiatives:

All GPIs.

1. INTRODUCTION

1.1 The ATM/AIS/SAR/SG/21 agreed that the Secretariat would review and present proposals to update the ATM/AIS/SAR Sub-Group Task List at the next Sub-Group meeting (Action Item 21/7).

2. DISCUSSION

2.1 The ATM/AIS/SAR/SG/20 Task List has been reviewed and is presented for consideration and update in **Attachment A**.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) update the Task List as appropriate; and
- b) discuss any relevant matters as appropriate.

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ATM/AIS/SAR Sub Group of APANPIRG — TASK LIST

The priorities assigned in the list have the following connotation:

A = Tasks of a high priority on which work should be expedited; and

B = Tasks of a medium priority on which work should be undertaken as soon as possible but not to the detriment of Priority “A” tasks.

(Last formally updated 8 July 2010 – ATM/AIS/SAR/SG/20, DRAFT AMENDMENTS for ATM/AIS/SAR/SG/22 ARE SHOWN IN HIGHLIGHT)

ACTION ITEM & PRIORITY	GLOBAL PLAN INITIATIVE	DESCRIPTION	TARGET DATE	RESPONSIBLE PARTY	STATUS	REMARKS
18/1 Priority A	GPI-5 Performance based navigation GPI- 8 Collaborative airspace design and management	<p><u>ATS Routes</u></p> <p>a) Identify ATS route requirements and monitor progress of route implementation in APAC Region;</p> <p>b) Coordinate implementation of new ATS routes in accordance with the requirements of both States and airspace users; and</p> <p>c) Maintain Asia/Pacific ATS Route Catalogue on ICAO Regional Office website.</p>	ONGOING	<p>Functional Responsibility: TRASAS, CMRI BBACG, FIT-BOB BOB-RHS/TF SEACG FIT-SEA, SEA RR/TF ASIOACG IPACG & FIT ISPACG & FIT</p>	<p>OPEN CLOSED</p>	Superseded by New Task 22/1
18/2 Priority A	GPI-5 Performance based navigation GPI-8 Collaborative airspace design and management	<p><u>ATS route implementation based on PBN</u></p> <p><i><u>South East Asia</u></i></p> <p>Conduct ATS route implementations in collaboration with stakeholders based on the Regional PBN Implementation Plan agreed by APANPIRG, to improve en-route airspace efficiency by means of reduced horizontal separation (lateral and longitudinal) based on PBN provisions.</p>	2010	<p>States of South East Asia, Regional Office</p> <p>Functional Responsibility: SEACG, FIT-SEA, SEA RR/TF</p>	<p>OPEN CLOSED</p>	Superseded by New Task 22/1

ACTION ITEM & PRIORITY	GLOBAL PLAN INITIATIVE	DESCRIPTION	TARGET DATE	RESPONSIBLE PARTY	STATUS	REMARKS
18/3 Priority A	GPI-5 Performance based navigation GPI-8 Collaborative airspace design and management	<p><u>ATS route implementation based on PBN</u></p> <p><i>Bay of Bengal</i></p> <p>Conduct ATS route implementations in collaboration with stakeholders based on the Regional PBN Implementation Plan agreed by APANPIRG, to improve en-route airspace efficiency by means of reduced horizontal separation (lateral and longitudinal) based on PBN provisions.</p>	2010	<p>States of Bay of Bengal, Regional Office</p> <p>Functional Responsibility: BBACG, FIT-BOB, BOB-RHS/TF</p>	<p>OPEN CLOSED</p>	<p>Superseded by New Task 22/1</p>
18/4 Priority A	GPI-5 Performance based navigation GPI-8 Collaborative airspace design and management	<p><u>ATS route implementation based on PBN Concepts</u></p> <p><i>Pacific Area (including North Pacific)</i></p> <p>Conduct ATS route implementations in collaboration with stakeholders based on the Regional PBN Implementation Plan agreed by APANPIRG, to improve en-route airspace efficiency by means of reduced horizontal separation (lateral and longitudinal) based on PBN provisions.</p>	2010	<p>States of North Pacific, Central and South Pacific, respectively, Regional Office</p> <p>Functional Responsibility: No ICAO working group established, informal groups doing this work, notably ISPACG, IPACG</p>	<p>OPEN CLOSED</p>	<p>Superseded by New Task 22/1</p>

ACTION ITEM & PRIORITY	GLOBAL PLAN INITIATIVE	DESCRIPTION	TARGET DATE	RESPONSIBLE PARTY	STATUS	REMARKS
18/5 Priority A	GPI-5 Performance based navigation GPI-8 Collaborative airspace design and management GPI-10 Terminal area design and management, GPI-11 RNP and RNAV Standard Instrument Departures (SIDs) and Standard Terminal Arrivals (STARs) GPI-12 Flight Management System (FMS) – based arrival procedures	<p><u>Terminal Area implementation based on PBN</u></p> <p>Implement ICAO Performance Based Navigation (PBN) provisions for terminal area operations in collaboration with stakeholders based on the Regional PBN Implementation Plan agreed by APANPIRG, to improve terminal area efficiency by use of advanced navigation specifications for SIDs, STARs and instrument approach procedures.</p>	<p>In accordance with Regional & State PBN Plans for 2008-2012 and 2013-2016</p>	<p>States, Users, Regional Office</p> <p>Functional Responsibility: PBN/TF</p>	<p>OPEN CLOSED</p>	<p>This is a CNS-MET Subgroup Task. However, New Task 22/2 also covers this in terms of the ASBU elements applicable to this task.</p>

ACTION ITEM & PRIORITY	GLOBAL PLAN INITIATIVE	DESCRIPTION	TARGET DATE	RESPONSIBLE PARTY	STATUS	REMARKS
18/5 Priority A	<p>GPI-6 Air traffic flow management</p> <p>GPI-8 Collaborative airspace design and development</p> <p>GPI-16 Decision support and alerting system</p>	<p><u>Implement Air Traffic Flow Management</u></p> <p>States to consider and implement aspects of air traffic flow management (ATFM) including:</p> <p>a) centralized ATFM b) inter-regional cooperative ATFM; c) establishment of ATFM databases; d) application of strategic ATFM planning; e) application of tactical ATFM planning; and f) assessment of economic and environmental impact of the implementation of the ATFM system.</p>	2012	<p>States, Users, Regional Office ATM/AIS/SAR/SG APANPIRG</p> <p>Functional Responsibility: ATFM/TF for Bay of Bengal, no other working group established APSAPG ATM Coordination Groups</p>	<p>OPEN CLOSED</p>	<p>Bay of Bengal ATFM/TF active since 2005</p> <p>Bay of Bengal implemented BOBCAT 5 July 2007</p> <p>ATM/AIS/SAR/SG/19 drafted Conclusion to establish regional ATFM steering group</p> <p>ATFM Concept of Operations agreed by APANPIRG/22, which has been incorporated into the draft ATFM Guidance Material</p> <p>Subsumed into the new Task 22/2 as part of Seamless ATM implementation</p>
18/7 Priority A	GPI-2 Reduced vertical separation minima	<p><u>RVSM Implementation</u></p> <p>a) Plan for and facilitate implementation of RVSM, as appropriate, in the Asia/Pacific Region</p>	2009 - 2012	<p>Affected States, Regional Office</p> <p>Functional Responsibility: RVSM/TF dissolved in December 2008 following China implementation, no ICAO group required for few remaining APAC FIRs</p>	<p>OPEN CLOSED</p>	<p>Ulaanbaatar tentatively 2012 in coordination with the Russian Federation.</p> <p>RVSM was successfully implemented within the Afghanistan and Mongolian airspace in 2011.</p>

ACTION ITEM & PRIORITY	GLOBAL PLAN INITIATIVE	DESCRIPTION	TARGET DATE	RESPONSIBLE PARTY	STATUS	REMARKS
18/8 Priority A	None applicable	<p><u>Identify and manage Deficiencies in the ATM, AIS and SAR fields</u></p> <p>a) Develop and maintain Deficiencies list, b) Identify unimplemented items in the BANP, c) Assist States to correct deficiencies, d) Promote timely resolution of safety-critical items identified by APANPIRG</p>	ONGOING	<p>Functional Responsibility: No specific working group established, all parties have responsibilities in this area (States, Users, International Organisations, Regional Office, ATM/AIS/SAR/SG APANPIRG)</p>	OPEN	ALLPIRG/5 (March 2006) raised Conclusion 5/15 in respect of “Last Resort” action to resolve deficiencies
18/10 Priority A	None applicable	<p><u>ATM Contingency Planning</u></p> <p>Prepare ATM Contingency Plans based on model (Indonesia) adopted by APANPIRG/17. Coordinate with neighbouring States to prepare plans</p>	2010	<p>States, Regional Office,</p> <p>Functional Responsibility: No working group established, work item included on agenda of ATS Coordination Groups. RACPTF</p>	OPEN	<p>Send copies of ATM Contingency Plans to Regional Office New Task Force established.</p>

ACTION ITEM & PRIORITY	GLOBAL PLAN INITIATIVE	DESCRIPTION	TARGET DATE	RESPONSIBLE PARTY	STATUS	REMARKS
18/9 Priority B	None applicable	<p><u>SAR Matters</u></p> <p>Assist appropriate provision of SAR facilities, services and procedures within the Asia Pacific Region by:</p> <p>a) Periodic review of SAR facilities, services and procedures in the region,</p> <p>b) Encourage States to delegate or negotiate SAR services,</p> <p>c) Asia/Pacific “SAR Capability Matrix” be kept up to date and distributed to States for information and action.,</p> <p>d) Asia/Pacific “Register of SAR Agreements” be kept up to date and distributed to States for information and action</p>	ONGOING	States, Regional Office, SAR WG ATM/AIS/SAR/SG APANPIRG	OPEN	States to update the ATM/AIS/SAR/SG each year on SAR capability to permit the periodic update of the SAR Capability Matrix and Register of SAR Agreements.
20/1 Priority B	GPI-18 Aeronautical information	<p>Enhanced Provision of AIS/AIM</p> <p>a) Implement the enhanced provisions for AIM becoming available through the work of the AIS-AIM Study Group;</p> <p>b) Monitor implementation of the regional performance framework performance objectives contained in the Performance Framework Form (PFF);</p> <p>c) Enable future AIM functions to address the new requirements that will be needed to implement the Global Air Traffic Management Operational Concept in a net centric information environment</p>	2016	States, Users, Regional Office Functional Responsibility: AAITF	OPEN	AIS/AIM Implementation Task Force (AAITF) active since March 2006

ACTION ITEM & PRIORITY	GLOBAL PLAN INITIATIVE	DESCRIPTION	TARGET DATE	RESPONSIBLE PARTY	STATUS	REMARKS
20/2 Priority A	GPI-5 Performance based navigation GPI-9 Situational awareness GPI-11 RNP and RNAV SIDs and STARs GPI-17 Implementation of data link applications	New ICAO Flight Plan Form Implement Amendment 1 to the Fifteenth Edition of the <i>Procedures for Air Navigation Services – Air Traffic Services</i> (PANS-ATM, Doc 4444, effective 15 November 2012) relating to the ICAO Flight Plan and associated ATS Message formats.	15 November 2012	States, Regional Office, Airspace Users, International Organisations ATM/AIS/SAR/SG Functional Responsibility: FPL&AM/TF	OPEN	FPL&AM/TF/5 updated the <i>Asia/Pacific Guidance Material for the Implementation of Amendment 1 to Procedures for Air Navigation Services – Air Traffic Management (PANS-ATM, Doc 4444), 15th Edition</i> .
22/1 Priority B	GPI-7 Dynamic and flexible ATS route management	Review and Update the Asia/Pacific Route Catalogue	On-going	IATA, ATM Coordination Groups, ATM/AIS/SAR/SG	OPEN	
22/1 Priority A	All GPIs	Seamless ATM Implementation Monitor the progress of Seamless ATM implementation, in accordance with the provisions of the Asia/Pacific Seamless ATM Plan, including, <i>inter alia</i> , civil military, airspace organization, ATFM, data-link and ANSP collaboration aspects.	On-going	CANSO, ATM Coordination Groups, ATM/AIS/SAR/SG	OPEN	This task can commence prior to the Plan being formalised in fields where work is already being undertaken, such as ATFM and ADS-B implementation.

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