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ATFM Sub-Group Input to ATMOPSP/WG/9 Planning meeting

WEBEX – 20 Apr 2020 – ATMOPSP/WG9





ATFM-SG

- Summary
- Current Tasks and deliverables
- Progress and context
- New approach
- New activities
- Proposed Plan for ATMOPSP/WG9 (July)



Summary

- The ATFM-SG seeks adoption of a new approach to meet its job card and its allocation of ATMOPSP WG meeting decision activities.
- By 16 June panel submission date, the ATFM SG intends to:
 - 1) schedule up to six sub-group webex meetings (50 minutes each)
 - 2) provide a working paper to the panel
 - 3) produce draft PfAs (update according to WG/08 but not ask for a review)
 - 4) develop a draft plan, including tasks, resourcing needs and a draft contents page for the Handbook
 - 5) ask for permission to proceed with the new approach, “operational handbook”
 - 6) ask for guidance on prioritisation of tasks
 - 7) ask for permission to revise and extend the deadlines for Job card 008.03
 - 8) ask for support to undertake the identified tasks



Current Tasks & deliverables

- Focus upon the 008 Job card
 - Create PfAs linking Doc 9971 Manual to PANS and SARP
- Direction from WG meetings.
 - Many ad hoc requests
 - Consult with other WGs
 - Conform to GANP ASBU NOPS blocks
 - Evolve ATFM towards advanced concepts – Long Range, cross-border
 - Interface ATFM with processes – ASM, A-CDM, Contingency



Current Tasks

Deliverable	Description of Action	Reference
PfA to annex 11	Identify requirements to foster increased implementation of ATFM	ATMOPSP.008.03
PfA to DOC4444	Identify the procedures instrumental to the implementation of ATFM; Develop ATFM phraseology Develop ATFM message set	ATMOPSP.008.03
	Identify flight plan addressing elements relevant for ATFM and contingency scenarios	ATMOPSP/WG/7/10
PfA to DOC9971	Develop the provisions related to: <ul style="list-style-type: none">• exchange of information between ATFM systems,• the training requirements, and• core competencies involved in the exercise of ATFM responsibilities	ATMOPSP.008.03
	Introduce GANP ASBU NOPS thread, block 0 and 1 Address the issue of conflicting ATFM measures Develop Long Range ATFM Promote integration of ATFM and A-CDM processes	ATMOPSP/WG7/19 ATMOPSP/WG/7/11 ATMOPSP/WG/7-WP/15 ATMOPSP/WG/8-IP/09
Consultation	Revision of Job Card 008.03 and deliverable timelines Inter-panel coordination with ATM RPP and CP-OPDLWG New airspace users (commercial space operations) impact on ATFM	ATMOPSP/WG/8/11 ATMOPSP/WG/8/11 ATMOPSP WG/8/11
	Remind States of the importance of transmitting DEP messages.	ATMOPSP/WG7/09



Progress and context

- Two draft PfA were presented at ATMOPS/WG/8
- Two excel files of comments were returned by the Panel.
 - Reasoning and justification for PfA changes was not sufficiently clear.
 - Additional linking guidance material was requested to define the context; and HOW-TO
 - Establish airport and sector capacity
 - Measure Capacity
 - Perform Post OPS analysis
 - Approach collaboration (case studies)
 - Get ANSPs started!
- Joint working group for ATFM messaging with ATMRPP is in abeyance
 - ATFM data exchange the FF-ICE implementation is not considered to be mature
 - Revival trigger point to be discussed by ATFM-SG



New Approach

- Develop a robust PfA, supported by a **ground-up approach** and the **work done** to date
- Fully understand the challenges facing the global implementation of ATFM
- Develop a clearer notion of **capacity**
- Be cognisant of the “good to have” vs “need to have” in terms of SARPs development.
- Develop a comprehensive package of documents to deliver to the ANC, and the global aviation community
- Align with the recommendations from the 12th and 13th AN Conference
- Ensure excellent coordination between ATM process stakeholders and including inter-panel e.g., ATMRPP and CP-OPDLWG



New Activities

1. Develop an **operational handbook**, similar to the GOLD manual, to foster implementation of ATFM, through detailed guidance on the day-to-day ATFM operations.
2. Understand the fundamental requirements of ATFM such as: Declared Capacity, Coordinated Capacity and Capacity Measurement/Assessment
3. Promote and further develop the concept of regional cross-border ATFM cooperation, and articulate the concept as part of an ATS authority's responsibility to do so.
4. **Seed the need** and support of global collaborative network management to help push States from **Zero to Want**



New Activities – details -1

1. Develop an **operational handbook**, similar to the GOLD manual, to foster implementation of ATFM, through detailed guidance on the day-to-day ATFM operations.
 - Operational handbook can be vol 2 to Doc 9971
 - Hands-on look to the procedures, coordination, communication and requirements, to provide clarity on the requirements in Annex 11, provisions in PANS-ATM and guidance in Doc 9971.
 - Addresses the concerns of States regarding the **resource requirements** of implementing and operating a standalone ATFM unit or facilitating ATS units to take on ATFM functions.
 - Collection of best practices guidance material from more mature ATFM implementation.
 - **Establishing capacity**
 - Capacity assessment process
 - Communication
 - Post OPS analysis requirements



New Activities – details -2

2. Understand the fundamental requirements of ATFM such as Declared Capacity, Coordinated Capacity and Capacity Measurement/Assessment
 - Help in understanding what high-level requirements are to be added to Annex 11.
 - Scalable approaches to support ANSPs in their ATFM implementations, with consideration of ANSP maturity and ambition level.
 - Approaches to determine airspace and airport capacity declarations
 - Collaborative approaches necessary to foster cooperation between Airport Authorities (landside and airside) and ANSPs to determine declared airport capacity
 - Capacity declaration (dynamic) in nominal and restricted operations (during planned or unplanned events)
 - Case Study guidance from ATFM adopters



New Activities – details -3

3. Promote and further develop the concept of **regional cross-border ATFM cooperation**, and articulate the concept as part of an ATS authority's responsibility to do so
 - Complying with existing ConOps being implemented to encourage a seamless process
 - Include the notion of States participating in neighbouring/regional ATFM, even though they may not require ATFM within their airspace.
 - Improve sharing of strategic, pre-tactical and tactical information on capacity, or unavailability of ATS resources (e.g., airport closures, military activities (ASM), long-lasting weather events etc.) to improve ATFM application
 - Provide contingency arrangements;
 - Include Long Range ATFM



New Activities – details -4

4. **Seed the need** and support of global collaborative network management to help push States from **Zero to Want**
 - Win support of ATFM strategy from the leadership team
 - Strength of ATFM business case with positive cost benefit analysis
 - Convince operational staff to adopt ATFM



Proposed Plan for ATMOPSP/WG9 (June)

- By 16 June panel submission date, the ATFM SG will
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