

APPENDIX C – Revised
NAM/CAR ATFM Task Force Work Programme

Updated March 2019

ATFM Mission Statement

The ATFM Work Programme (WP) provides specific initiatives for the development of a regional concept of ATFM implementation in NAM/CAR Region. This is consistent with ICAO Doc. 9971 and other related global documents. It takes into consideration the execution of a simple, basic, and incremental approach of promoting, sharing and implementing a regional, interoperable ATFM framework for global harmonization.

INTRODUCTION

People, automation, technology and collaboration with system stakeholders (inclusive of academia) will be the core principles of this project. The Work Programme seeks to:

1. Establish consistent regional ATFM planning and operating practices
2. Encourage a collaborative and harmonized approach to ATFM amongst States and Regions
3. Foster a systemic approach to ATFM, inclusive of all ATM community members

The document takes into consideration the diverse range of experience, technology and available resources.

Note 1: This document shall be a guideline for establishing ATFM NAM/CAR goals and reviewed periodically throughout the year. A formal review each calendar year shall be conducted during the ANI/WG and NACC/WG meeting, so as to update/revise/modify its content for currency and applicability.

No	Activity	Objective	Deliverable	Date
1	Trainings and Workshops <ul style="list-style-type: none"> • Develop an ATFM Training Programme, including training requirements for each ATFM position. (ATFM/TF/CADENA/01a) • Training Program should include every level of training and objectives in line with ICAO TRAINAIR Plus Methodology. (ATFM/TF) • Training Program shall be included as Appendix to the CAR/SAM ATFM CONOPS. (ATFM/TF/CADENA/01c) • Organize appropriate workshops as needed. 	Provide a core foundation to build upon for regional participants	Trainings and workshops	31 December 2020
	Status/Remarks: <ul style="list-style-type: none"> • Much training work already accomplished (the course was delivered 2 times in 2018) 			
2	CAR/SAM ATFM Concept of Operation Document <ul style="list-style-type: none"> • Establish and include the minimum guideline of ATFM tools and automation technologies and include them in the CAR/SAM ATFM Concept of Operations Document. (ATFM/TF/CADENA/04a) • Included the guideline for the ATFM Contingency Plan in the CAR/SAM ATFM Concept of Operations Document. • Include agreed regional KPIs in the CAR/SAM ATFM Concept of Operations Document. • 	Create the ATFM Concept of Operation (CONOPS) Document that encompasses CAR and SAM to improve safety and efficiency of traffic flow between two regions.	CAR/SAM CONOPS doc	31 December 2020
	Status/Remarks: <ul style="list-style-type: none"> • Work initiated. 			
3	Contingency Plans <ul style="list-style-type: none"> • Develop guidelines for ATFM Contingency Plans to be included in the CAR/SAM ATFM Concept of Operations Document. • Establish a clear differentiation between the ATM Contingency Plans and the ATFM Contingency Plans. • Consider interoperability and seamless continuity plan into the ATFM Contingency Plans (from original ATFM Work Programme Work Item 9) 	This Work Item will provide an adequate regional response to contingencies, and will reduce the harmful impact of these contingencies to the continuous flow of air traffic.	Contingency Plans	31 December 2020
	Status/Remarks: <ul style="list-style-type: none"> • Was original Work Item 9: Contingency Planning. 			

No	Activity	Objective	Deliverable	Date
4	<p>ATFM Regional Performance Measurement</p> <ul style="list-style-type: none"> Establish Key Performance Indicators (KPIs) to be measured. For example, take-off time, off-block time and filed versus flown time. Identify when and how the KPIs will be measured, and with whom the information will be shared. Establish the guidelines of KPIs. Include the KPIs and associated guidelines into the CAR/SAM ATFM Concept of Operations Document. 	Understand operational performance and develop means and methods to improve performance.	KPI identification, definition, and associated guidelines	31 December 2020
<p>Status/Remarks:</p> <ul style="list-style-type: none"> 				
5	<p>Supporting ICAO NACC Regional Work Associated with ATFM</p> <ul style="list-style-type: none"> Support RPBANIP revision in the areas of ATFM including Regional Performance Objective (RPO), Implementation of Flexible Use Airspace and DCB Request States to consider implementing automated ATFM tools to predict demand and support demand and capacity balancing (DCB). 	Support ICAO NACC RO to accomplish ATFM related tasks	Necessary inputs, letters, papers, and documents.	31 December 2020
<p>Status/Remarks:</p> <ul style="list-style-type: none"> States will report to ICAO NACC during CY 2019 on their completion of RPOs related to ATFM implementation 				
6	<p>Flexible Use Airspace</p> <ul style="list-style-type: none"> Update Regional Performance Objective, Implementation of Flexible Use Airspace (FUA) Perform assessment of where FUA can be utilized/benefit Identify civil/military coordination entities Arrange for permanent liaison and cooperation between civil ATS and air defence units Conduct regional review of SUA Assess use of airspace management process Review use of dynamic airspace processes Institute dynamic ATC sectorization and notification for demand and capacity Develop performance measurement programme Review/establish LOAs between FMUs /Military Data sharing between civil and military units 	Identify and facilitate the cooperation between Civil/Military Organizations for the movement of air traffic	Develop training, formalize LOAs, and pre-tactical coordination between organizations	31 December 2020
<p>Status/Remarks:</p> <ul style="list-style-type: none"> 				
7	<p>ANI/WG Decision and ATFM TF Organization</p> <ul style="list-style-type: none"> Provide progress report/update for Chairperson reference NACC/WG Keep this Work Programme updated Keep ATFM TF PoC list updated Facilitate ATFM TF Web Conferences as needed Facilitate ATFM TF Meeting as needed Coordinate ATFM matters with CADENA and stakeholders as needed 	Liaison with regional coordination group	Work Programme and ToR to ICAO RO	Permanent (ANI/WG Meetings)
<p>Status/Remarks:</p> <ul style="list-style-type: none"> 				

References:

- Manual on Collaborative Air Traffic Flow Management (Doc 9971)
- Caribbean/South American Air Traffic Flow Management Concept of Operation (CAR/SAM CONOPS ATFM)
- Global Air Traffic Management Operational Concept (Doc 9854)
- Manual on Air Traffic Management System Requirements (Doc 9882)
- Manual on Global Performance of the Air Navigation System (Doc 9883)
- Manual on Flight and Flow – Information for a Collaborative Environment (Doc 9965)
- Civil/Military Cooperation in Air Traffic Management (Cir 330-AN/189)
- Procedures for Air Navigation Services — Air Traffic Management (PANS-ATM, Doc 4444)
