



| ICAO TECHNICAL COOPERATION

# Follow up on the Project to develop CAR Region PBN Airspace Concept

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## **Sub-Project to Develop and Implement a Performance-Based Navigation (PBN) Airspace Concept Document for the CAR Region**

- ✈ From 8 to 11 May 2018 a Team of PBN SMEs met in the ICAO NACC Regional Office.
- ✈ Develop a model structure for airspace and TMAs that allows continuous flow in the upper and lower airspace of contiguous FIRs and TMAs, proposing a possible solution to the complex structure of the existing FIRs in the CAR Region.



## Summary of Activities for the Project (Phase 1)

- ✈ Initial meeting with the SMEs to discuss the sub-project mission objectives.
- ✈ Assessment of information for regional PBN implementation, as appropriate
- ✈ Review information regarding FIR and TMA requirements for the CAR Region, and make an assessment of implementation in accordance with the NAM/CAR RPBANIP and Air Navigation Plan.
- ✈ Draft a report summarizing the sub-project mission outcomes.



# SCOPE

- ✈ In reviewing the ToR of the Sub-Project, the SMEs in collaboration with the ICAO NACC Regional Officer ATM/SAR, determined that based on the diversity of the individual CAR State's/Organization's airspace and also on the limited information available to the project team, it would be more productive to carry out the project on the following three phases:

## 1. Phase 1 – Concept Development

- ✈ In this phase the minimum requirements for upper and lower airspaces of the CAR Region are defined. The model concept is presented as a report for the subproject.

## 2. Phase 2 – Data collection and analysis

- ✈ The purpose of this phase is to collect evidence regarding the PBN implementation status for each upper and lower airspace and the airspace optimization capabilities for each State and International Organization of the CAR Region.

## 3. Phase 3 – Assessment and development of individual plans

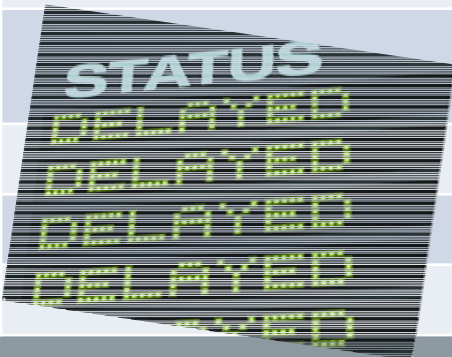
- ✈ After detailed information regarding the implementation and capacities of States and International Organizations has been reviewed, an objective assessment of the situation is performed and individual plans to close the detected gaps are developed. Here will be also identified the assistance required and possible collaboration with other stakeholders.



## PROJECTED TIMELINES

✈ Phase 1: Completed

✈ Phase 2:

Task	Responsible	Start-End	Status
Promulgate State Letter	ICAO NACC	28 Aug- 3 Sept	Completed
Complete and submit the form	State/Territory	3 Sept – 3 Oct	Only 7 responses received
Create database	ICAO NACC	15 Oct – 30 Nov	
Analysis	Project Team	3 – 7 Dec	
Create profile	Project Team (consultation)	10 – 14 Dec	
Common challenges	Project Team	10 – 14 Dec	



## States/International Organizations that Responded

1. Cuba
2. Costa Rica
3. Curacao
4. Dominican Republic
5. Mexico
6. USA
7. COCESNA



## PROJECTED TIMELINES

- ✈ Phase 1: Completed
- ✈ Phase 2: Delayed
- ✈ Phase 3:

Task	Responsible	Start-End	Status
Provide each State/Organization with an assessment of their implementation, including recommendations	Project Team through the ICAO NACC Regional Office	14-18 January 2019	Not Stated
Provide recommendations to the ICAO NACC Regional Office on best use of resources within the Region	Project Team	14-18 January 2019	Not Stated



## Suggested Actions

- a) Revise / Adjust the timelines of the Sub-Project.
- b) The ICAO NACC Regional Office Address Individual Letter to each State/Territory that has not responded to the survey.
- c) Any other action deemed appropriate.





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THANK YOU