



**INTERNATIONAL
CIVIL AVIATION
ORGANIZATION**



MCAAP Regional Project

Initiatives Approved for 2026

**Goals and benefits of each proposal — ICAO
NACC Regional Office**

MCAAP Members



Approved Initiatives at a Glance

Nine project/activity proposals approved under the MCAAP Regional Project

No.	Project / Activity	Focus Area	Est. cost
03	New Obstacle Limitation Surfaces Seminar (25CAROLS)	Capacity & Efficiency	USD 8,000
04	CAR ANS Capabilities Database for AO & ATFM	Capacity & Efficiency	USD 9,000
05	Space Operations 101: Operational Impacts on ATM	Capacity & Efficiency	USD 14,800
06	ADREP Data Validation and Taxonomy Application	Regional Safety	USD 10,450
07	CAR Region Frequency Management Validation Project	Regional Safety	USD 29,500
09	Regional ATM Contingency Plans for the CAR Region	Regional Safety	USD 44,550
10	MON Proposal for GNSS Resilience	Regional Safety	USD 52,000
11	AIDC between Kingston FIR and Bogota FIR	Regional Safety	USD 8,800
15	Regional Implementation of CPDLC	Regional Safety	USD 30,000

New Obstacle Limitation Surfaces Seminar (25CAROLS)

Proposal 03 — 2026 | Fabio Salvatierra (RO/AGA) | Focus Area 2 — Capacity & Efficiency | ICAO Strategic Goal: NCLB / D1.1 / D1.1.7

OBJECTIVE

Prepare States for adoption of the new Annex 14 OLS SARPs and the promulgation of the new surfaces.

GOALS / DELIVERABLES

- Two-day bilingual seminar for NACC States and airports
- Raise awareness of Annex 14 Amendment 18 OLS changes
- Seminar report and list of follow-up actions with States
- First step toward regulatory impact analysis and training

BENEFITS

- Smoother transition to performance-based airspace safeguarding
- States identify human and technical resources needed early
- Sustained support through monthly NACC follow-up calls
- Harmonized OLS practice across MCAAP membership

MCAAP support: Simultaneous interpretation and mission of two experts (ICAO HQ and a Member State) — USD 8,000; Mexico City.



CAR ANS Capabilities Database for Airspace Optimization and ATFM

Proposal 04 — 2026 | Josue Gonzalez (RO/ATM2) | Focus Area 2 — Capacity & Efficiency | ICAO Strategic Goal: GEN5 / All SG

OBJECTIVE

Build a consolidated regional database of ANS capabilities to enable data-driven airspace optimization and ATFM planning.

GOALS / DELIVERABLES

- Standardized ANS/ATFM capability data from all CAR States
- Database interoperable with ICAO platforms such as iSTARS
- Standardized reporting templates and capability snapshot
- Gap analysis summary and annual NACC dashboard updates

BENEFITS

- Objective performance tracking aligned with GANP and ASBU
- Better prioritization of assistance and resource allocation
- Stronger GREPECAS and NACC/WG decision-making
- Foundation for NEOSPACE and regional ATM modernization

MCAAP support: One SME mission (5 working days, Mexico City), interpretation for virtual meetings and translation of up to 50 pages — USD 9,000; 12 months from June 2026.



Space Operations 101: Operational Impacts on ATM in the NAM/CAR Region

Proposal 05 — 2026 | Josue Gonzalez (RO/ATM2) | Focus Area 2 — Capacity & Efficiency | ICAO Strategic Goal: GEN5 / All SG

OBJECTIVE

Build regional readiness and operational awareness of space launch and re-entry impacts on ATM and ATFM.

GOALS / DELIVERABLES

- Three-day workshop: technical sessions and case studies
- Site visit to Port Canaveral launch operations
- Regional baseline knowledge framework and case compendium
- Recommendations for future regional guidance material

BENEFITS

- Improved cross-FIR coordination during launch and re-entry
- Stronger contingency readiness and risk mitigation
- Practical exposure that accelerates knowledge transfer
- Alignment with ICAO priorities on emerging aviation domains

MCAAP support: Travel for four State representatives to Orlando, United States, plus translation of workshop materials — USD 14,800; from Q3 2026.



Enhancing ADREP Data Validation and Taxonomy Application in the CAR Region

Proposal 06 — 2026 | Fernando Camargo (RO/TA) | Focus Area 1 — Regional Safety | ICAO Strategic Goal: SAFSEC / A1.3 / A1.3.6

OBJECTIVE

Strengthen accuracy, consistency and global compatibility of occurrence data reported by CAR States.

GOALS / DELIVERABLES

- Participation in the ICAO OVSG 2027 validation meeting
- Updated CAR guidance on ADREP taxonomy application
- Bilingual validation checklists and interpretations
- Regional webinars for AIG focal points

BENEFITS

- Addresses the 24% error rate found in regional reporting
- Regional operational context represented in ICAO global data
- Supports USOAP protocol questions 6.507 and 6.511
- Better safety data for SSPs and the RASG-PA Safety Report

MCAAP support: Travel for one ICAO staff and one MCAAP member representative, translation (~50 pages) and webinar interpretation — USD 10,450; Q1–Q3 2027.



CAR Region Frequency Management Validation Project

Proposal 07 — 2026 | Mayda Avila (RO/CNS) | Focus Area 1 — Regional Safety | ICAO Strategic Goal: SAFSEC / A1.5 / A1.5.6

OBJECTIVE

Establish a validated, accurate and interference-free regional database of all CAR aeronautical frequencies.

GOALS / DELIVERABLES

- Three-week frequency data validation session in Mexico City
- Reconcile and standardize all CAR frequency assignments
- Identify gaps, duplications and conflict-prone assignments
- Prepare CAR technical contributions for ITU WRC-27

BENEFITS

- Safer, interference-free CNS/ATM operations
- Regional baseline ready for the CAR Frequency Finder tool
- Stronger data quality practices in States and ANSPs
- Coordinated regional position in WRC-27 spectrum debates

MCAAP support: Travel and per diem for two CAR experts (19 days in Mexico) and participation of the ICAO CNS Specialist and one expert in the WRC-27 preparatory workshop and FSMP WG23, Lima, Peru.



Development of Regional Contingency Plans for the CAR Region

Proposal 09 — 2026 | COCESNA | Focus Area 1 — Regional Safety | ICAO Strategic Goal: AVIMOB / C1.2 / C1.2.7

OBJECTIVE

Jointly update and harmonize national ATM contingency plans with the ICAO global contingency management framework.

GOALS / DELIVERABLES

- Five-day regional in-person workshop in El Salvador
- Updated CAR Regional and national ATM contingency plans
- Harmonized upper and lower airspace procedures
- Coordinated activation and response mechanisms

BENEFITS

- Greater resilience and continuity of regional ANS
- Alignment with Annex 11 and the CAR Regional ATM Plan
- New contingency scenarios reflecting current CNS capability
- Central America as a pilot experience for the region

MCAAP support: Travel for one NACC Regional Specialist and one representative per MCAAP member, interpretation, and translation of approximately 100 pages.



Development of a MON Proposal for GNSS Resilience in the CAR Region

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Proposal 10 — 2026 | Mayda Avila (RO/CNS) | Focus Area 1 — Regional Safety | ICAO Strategic Goal: SAFSEC / A1.1 / A1.1.11

OBJECTIVE

Define a Minimum Operational Network (MON) to ensure safe, continuous navigation during GNSS interference or outages.

GOALS / DELIVERABLES

- SME engaged for 30 working days, on-site and remote
- Regional navigation infrastructure review and data analysis
- Bilingual regional MON guidance material
- Participation in the Radio Navigation Workshop, Lima, Peru

BENEFITS

- Navigation continuity during jamming, spoofing and RFI events
- Optimized use of existing conventional NAVAIDs
- Harmonized regional contingency navigation procedures
- Responds to Assembly Resolution A42 and supports the GANP

MCAAP support: SME fees (30 days), missions to the ICAO NACC Office and to Lima for one Regional Officer and one SME, plus translation of about 100 pages.



ICAO

Implementation of AIDC between Kingston FIR and Bogota FIR

Proposal 11 — 2026 | Mayda Avila (RO/CNS) | Focus Area 1 — Regional Safety | ICAO Strategic Goal: AVIMOB / C1.1 / C1.1.6

OBJECTIVE

Enable automated coordination of flight data between Jamaica and Colombia through AIDC implementation.

GOALS / DELIVERABLES

- Bilingual SME in ATM interoperability and AIDC
- Phase 1: technical review and implementation plan
- Phase 2: two weeks on-site configuration in Jamaica
- Interoperability testing and operational validation

BENEFITS

- Replaces manual voice coordination with data exchange
- Lower controller workload and fewer coordination errors
- Fewer large height deviations across the CAR/SAM interface
- Improved situational awareness and transfer of control

MCAAP support: Mission to Jamaica for one SME (two weeks) — air ticket and per diem. Builds on MCAAP proposal 08-2023.



— Regional Implementation of Controller–Pilot Data Link Communications (CPDLC)

Proposal 15 — 2026 | Mayda Avila (RO/CNS) | Focus Area 1 — Regional Safety | ICAO Strategic Goal: AVIMOB / C2.1 / C2.1.6

OBJECTIVE

Support regional deployment of CPDLC services to digitalize ATS communications in the CAR Region.

GOALS / DELIVERABLES

- Three-day bilingual workshop at the ICAO NACC Office
- Regional CPDLC assessment report and CONOPS
- Regional implementation roadmap and training programme
- Pilot CPDLC implementation between selected FIRs

BENEFITS

- Less voice congestion and fewer communication errors
- Better controller workload management and awareness
- Support for oceanic and remote operations across FIRs
- Alignment with the GANP and ASBU data communications

MCAAP support: Interpretation for the workshop and missions to Oakland (2 ICAO officers and 3 SMEs) and Mexico (2 SMEs); second phase proposed for 2027.



Way Forward

Coordinated implementation across the CAR Region

- ❑ Nine approved proposals cover both MCAAP focus areas: regional safety and regional capacity and efficiency.
- ❑ Safety initiatives strengthen data quality, spectrum integrity, GNSS resilience and digital ATS communications.
- ❑ Capacity initiatives build the evidence base and expertise needed for airspace optimization and ATFM.
- ❑ Delivery runs from 2026 into 2027, with follow-up reported to GREPECAS and the NACC Working Group.
- ❑ Coordinated implementation ensures a safer, more efficient and more resilient CAR air navigation system.

General Benefits of using MCAAP

Subsidies
DSA: Lodging, meals
and terminal
expenses

Consultants to
support specific
needs of the Project
and/or its members.

Proposal and
Financial Support to
Activities beneficial
to Project Members

Purchase of plane
tickets ONLY by
request of the
Member Project.

Benefits, Challenges and Opportunities

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Benefits

- Technical cooperation
- Regional harmonization
- Capacity building

MCAAP

Challenges

- Resource limitations
- Coordination difficulties
- Implementation delays

Opportunities

- Increase visibility
- Expand engagement
- Improve accessibility

Subsidy Use through the MCAAP Project

17

61

Travel Assistances (2023-2025)

2023

25

Fellowships

Cuba	11
Honduras	3
Costa Rica	3
Others	8

2024

15

Fellowships

Cuba	12
Dominican Rep.	2
Honduras	1

2025

21

Subsidies

Cuba	10
Jamaica	4
Mexico	3
Others	4

MCAAP support has enabled broad participation and regional technical cooperation.



Thank you