



**INTERNATIONAL
CIVIL AVIATION
ORGANIZATION**



Fourteenth Meeting of the North American, Central American and Caribbean

Directors of Civil Aviation (NACC/DCA/14)

St. George's, Antigua and Barbuda, 1 to 5 June 2026

P/03

Agenda Item: 6

**Enhancing Air Navigation Services in the CAR Region
Strategies for ICAO States**

NACC/WG

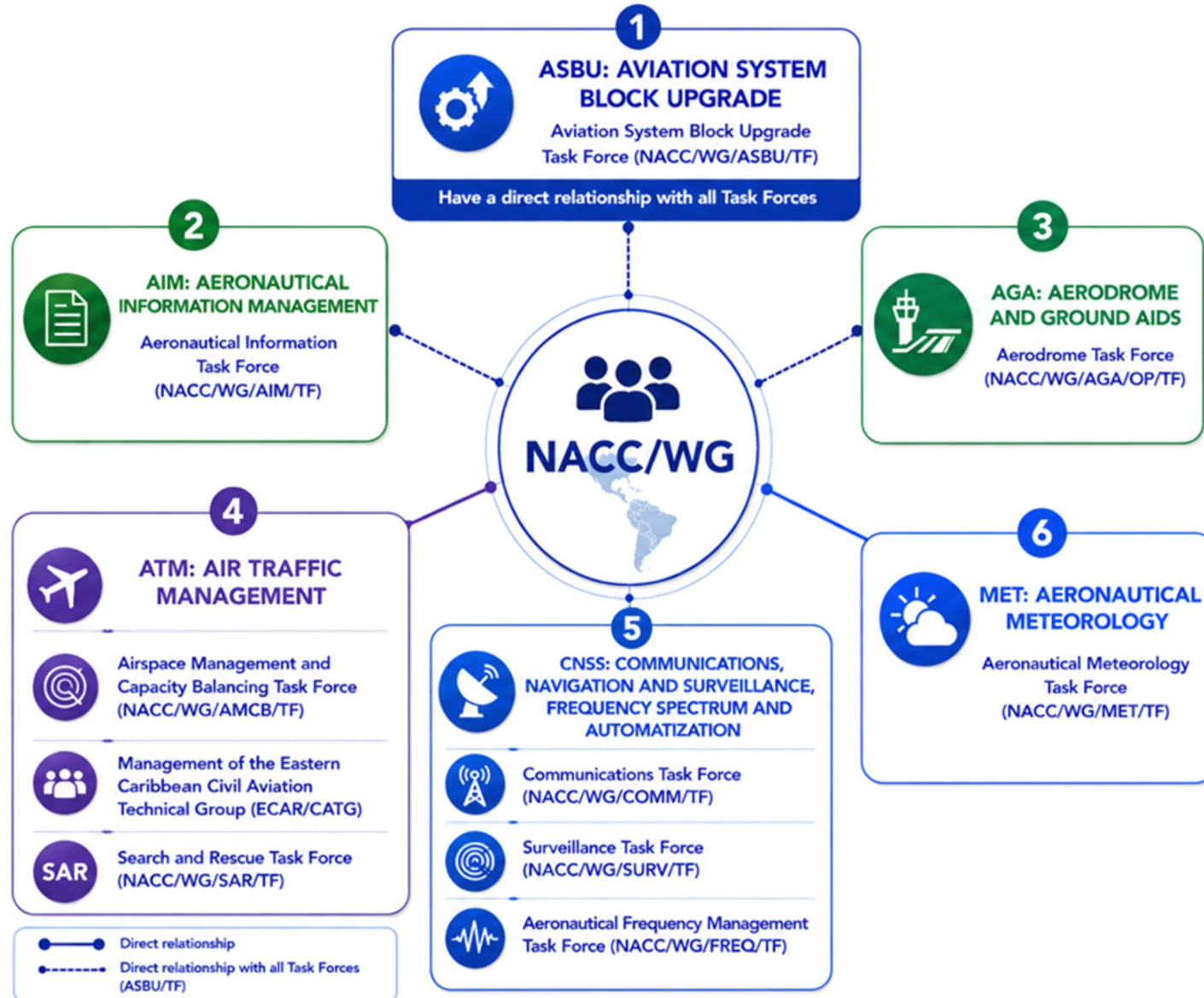
The NACC/WG is the region's sole air navigation implementation mechanism, coordinating regional implementation activities and reporting progress.

It integrates Task Forces covering AIM, ATM, CNS, AGA, MET, cybersecurity, and unmanned aircraft operations. Each Task Force leads technical activities within its domain while ensuring cross-disciplinary coordination.

Through the Group of Rapporteurs, regional discussions, decisions, and implementation strategies are consolidated. This structure enables harmonized and performance-based air navigation improvements across the NAM/CAR Regions.



THE NACC/WG IS COMPOSED OF THE FOLLOWING TASK FORCES



The NACC/WG Task Forces collaborate to support the implementation and improvement of air navigation systems in the NAM/CAR Regions, ensuring harmonization, efficiency and safe operations.

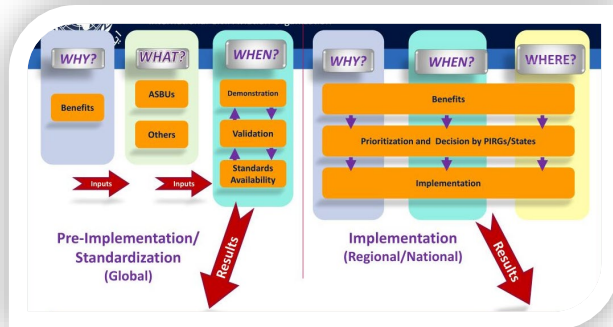
NACC/WG is working with innovation, contingency, UAS/RPAS operation, cybersecurity, ANS projects and other to support ANS in the region.

NACC/WG HEAD MEMBERS

	NACC/WG Chairman	Julio Mejia	Dominican Republic	
	NACC/WG Vice-Chairman	Rohan Garib	Trinidad and Tobago	
	NACC/WG/AIM/TF	Natasha Belefanti	Curaçao	
	NACC/WG/ASBU/TF	Carlos Bolaños	Costa Rica	
	NACC/WG/AGA/OP/TF	Alberto Rodriguez	United States	
	NACC/WG/MET/TF	Juan Carlos Ramos	Mexico	
	NACC/WG/AMCB/TF	Riaaz Mohammed	Trinidad and Tobago	
		Vern Payne	United States	
	NACC/WG/COMM/TF	Layla Rodriguez	Cuba	
	NACC/WG/SURV/TF	Cesar Nuñez	COCESNA	
	NACC/WG/FREQ/TF	Emmanuel Jaques	Haiti	
	NACC/WG/SAR/TF	Calvin Zúniga	COCESNA	
	NACC/WG/ECAR/CATG	Shenneth Phillips	Antigua and Barbuda	

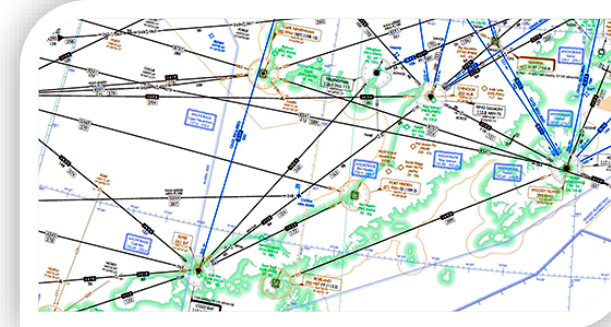
NACC/WG Programmes, Projects and Initiatives

NACC/WG Programmes, Projects and Initiatives



ASBU/TF

- CAR Regional Programme for Completion and Update of NANPs aligned with GANP v8
- Development and update of NANPs for CAR States
- Regional harmonization of ASBU implementation planning
- GANP v8 training programme and KPI workshops
- Regional Air Navigation Planning Framework development



AIM/TF

- AIS to AIM transition programme
- Digital AIM and Digital NOTAM implementation
- SWIM readiness and implementation activities
- AIM Collaborative Plan implementation
- Regional AIM Tracking Website development

NACC/WG Programmes, Projects and Initiatives



MET&TF

IWXXM Implementation

Quality & Safety

Incorporating MET/CLIM data into operational planning.

Advancing the Aircraft-Based Observations.

AIM/MET/SWIM integration activities

MET spectrum protection initiatives



AGA/OP TF

- Aerodrome certification programme
- Runway Safety Teams (RST) implementation
- Global Reporting Format (GRF) implementation
- SMGCS and ACR/PCR implementation monitoring
- OECS aerodrome certification support projects

NACC/WG Programmes, Projects and Initiatives



AMCB/TF

- Free Route Airspace (FRA) implementation
- Regional ATS Route Network review
- CADENA regional ATFM data exchange initiative
- Collaborative Decision Making (CDM) implementation
- GNSS interference mitigation initiatives
- Regional ATFM maturity development and KPI monitoring
- Cross-border operational coordination initiatives
- Support for FIFA 2026 operational planning
- Space Operations operational impact coordination
- CAR/SAM interoperability initiatives



ECAR/CATG

- Eastern Caribbean modernization support programme
- Support strategy for SIDS States
- CNS Committee restructuring programme
- Regional ADS-B surveillance analysis
- Regional surveillance project development



SAR/TF

- SAR Basic Building Blocks Evaluation
- Guidance and Planning for SAR Exercises
- Development and Update of National SAR Plans
- Follow-up Pending SAR Agreements

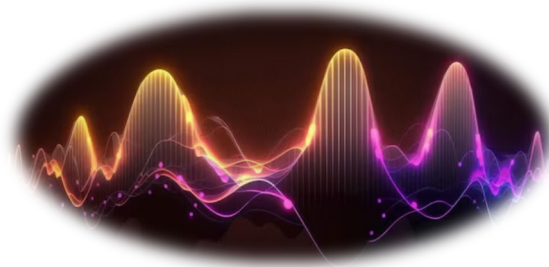
NACC/WG Programmes, Projects and Initiatives

CNS



COMM/TF

- MEVA III operational continuity programme
- CANSNET modernization project
- Communications contingency modernization
- IWXXM OPMET dissemination strategy
- REDDIG/MEVA interoperability initiatives



FREQ/TF

- Frequency Finder modernization
- WRC-27 preparation activities
- GNSS resilience and MON project
- Aeronautical Frequency Data Validation programme
- Regional spectrum protection initiatives



SURV/TF

- ADS-B implementation programme
- ADS-B performance monitoring
- Regional Surveillance CONOPS implementation
- Surveillance data sharing activities
- ADS-B performance monitoring tool development
- Support ABO (MET) implementation
- Support contingency activities

NACC/WG Programmes, Projects and Initiatives

Regional MCAAP Initiatives



- ADS-B regional modernization
- CPDLC and ADS-C implementation
- AIDC regional implementation
- GNSS resilience and MON development
- SBAS regional strategic initiative
- Contingency implementation
- Contingency
- Cybersecurity over ANS
- GREPECAS activities
- New obstacle limitation surfaces at Aerodromes workshop

Regional Challenges Affecting Air Navigation Implementation in the NAM/CAR Regions

Uneven Regional Implementation

- Different implementation levels among States
- Infrastructure and operational capability gaps
- Uneven progress in AIM, ADS-B, SWIM and FRA implementation
- Limited regional harmonization

Limited Participation and Expertise

- Low participation in Task Forces
- Limited availability of technical experts
- Need for stronger support to Rapporteurs
- Lack of continuity in regional activities


Funding and Resource Constraints

- Insufficient funding for modernization projects
- Challenges supporting workshops and missions
- Limited human and technical resources
- SIDS States particularly impacted


Human Resources and Training

- Need for specialized technical training
- Limited recurrent training programmes
- Need for expertise in modern technologies
- Importance of institutional support

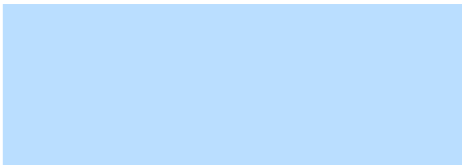
Data Sharing and Performance Monitoring

- Weak operational data exchange
 - Limited KPI monitoring capabilities
 - Need for Collaborative Decision Making
 - Need for integrated regional dashboards
 - Limited regional operational dashboards and real-time ATFM visibility
 - Need for harmonized regional operational metrics
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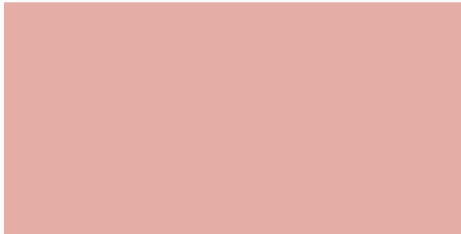
Cybersecurity Challenges

- Growing cyber risks affecting ANS systems
 - Need for cybersecurity governance
 - Protection of CNS/ATM infrastructure
 - Need for training and coordination
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NANP and Planning Challenges

- Outdated or missing NANPs
 - Limited GANP v8 alignment
 - Need for performance-based planning
 - Need for implementation monitoring
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GNSS Interference and CNS Resilience

- Increasing GNSS jamming and spoofing events
 - Dependence on satellite-based operations
 - Need for Minimum Operational Network (MON)
 - Operational safety and continuity risks
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GLOBAL AVIATION SAFETY CONCERNS



Spectrum Challenges

- Frequency management challenges.
- The region requires better spectrum protection, and stronger coordination ahead of international activities such as WRC-27.
- These efforts are essential to maintain operational safety and efficiency.

ICAO Position for WRC-27 & the Call for State Support



- States and Int Orgs are requested to take into account the ICAO Position, to the maximum extent possible
(Find it @ <https://www.icao.int/sites/default/files/FSMP/065e.pdf>)
- WRC-27 sets the agenda for the next conference (WRC-31)

Active support from States is deemed to be the only means to ensure that the results of the WRC-27 reflect civil aviation's interest

Your participation is essential to secure aviation's spectrum future at WRC-27!

State Letter 24/93 (ICAO-NET)

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Strategic Recommendations to Support the NACC/WG and ANS implementation

- *Strengthen institutional support to the NACC/WG as the sole regional air navigation implementation mechanism in the NAM/CAR Regions.*
- *Provide strong managerial and operational support to Rapporteurs and Task Force members to ensure continuity and effectiveness of regional activities.*
- *Increase participation of technical experts in NACC/WG meetings, Task Forces, workshops, and implementation initiatives.*
- *Invest in recurrent technical training and capacity building in CNS/ATM modernization, cybersecurity, AIM/SWIM, ADS-B, GNSS resilience, spectrum management, and UAS/RPAS integration.*

- *Support and actively participate in regional modernization initiatives such as CANSNET, ADS-B integration, MON, SBAS, IWXXM, airspace optimization, and cybersecurity projects*
- *Support the implementation and sustainability of AMCB regional initiatives and operational coordination activities*
- *Promote collaborative decision-making and operational data sharing mechanisms*
- *Encourage participation in regional ATFM, FRA, and operational optimization activities*
- *support environmental sustainability objectives, including the ICAO Long-Term Global Aspirational Goal (LTAG) of net-zero carbon emissions by 2050.*

- *Allocate financial and technical resources to reduce implementation gaps, especially for CAR States and SIDS with limited capabilities*
- ***Strengthen coordination between Civil Aviation Authorities, ANSPs, telecommunications regulators, and spectrum management entities to protect aeronautical frequencies***
- ***Support ICAO positions and regional coordination activities for WRC-27 to ensure the protection of aviation spectrum and future CNS/ATM systems***
- *Promote regional cooperation, harmonization, and performance-based implementation aligned with ICAO GANP and GREPECAS priorities*
- *Recognize that strong State commitment and regional collaboration are essential to ensure safe, resilient, interoperable, and sustainable air navigation systems in the region*

Conclusions

States must have to ensure for their benefits:

- 1. Provide funding, technical resources, and dedicated time for Rapporteurs and experts to participate in NACC/WG activities, strengthening regional coordination and implementation capacity.***
- 1. Designate national experts to all NACC/WG Task Forces to enhance State participation, technical expertise, and regional collaboration.***
- 1. Establish national mechanisms to follow up NACC/WG Conclusions and Decisions to ensure timely implementation and improved regional performance.***

Thank You

