



ICAO

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WORKING PAPER

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**Second Meeting of the North American, Central American and Caribbean Working Group
(NACC/WG) Airspace Management and Capacity Balancing Task Force and Eleventh Meeting of the
CANSO IATA ICAO Free Route Airspace Team
(CIIFRA) (AMCB/TF/2/CIIFRA/11)
Mexico City, Mexico, 20 to 24 April 2026**

Agenda Item 5: Regional Initiatives and Technical Progress of the AMCB Task Force

**DOMINICAN REPUBLIC AIRSPACE RESTRUCTURING PROJECT (READ):
IMPLEMENTATION STRATEGY AND OPERATIONAL VALIDATION**

(Presented by Dominican Republic)

EXECUTIVE SUMMARY

The Dominican Republic is advancing the Airspace Restructuring Project (READ), a national initiative aimed at enhancing safety, capacity, and operational efficiency within the Santo Domingo FIR.

The project has reached a mature technical stage following the completion of structured operational simulations, which validated the conceptual design of new STARs, SIDs, sectorization schemes, and runway utilization strategies.

Key operational decisions derived from the validation exercises include the adoption of Open STARs, feasibility of segregated runway operations at Punta Cana (MDPC), and the definition of revised sectorization concepts within the Punta Cana TMA, Las Americas TMA and Santo Domingo ACC.

This initiative is aligned with ICAO ASBU objectives and contributes to regional airspace optimization efforts.

Action:	Take note of the READ implementation strategy; Acknowledge the operational validation outcomes; Encourage regional coordination and harmonization aspects where applicable.
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<i>Strategic Objectives:</i>	<ul style="list-style-type: none">• Every Flight is Safe and Secure• Aviation is Environmentally Sustainable• Aviation Delivers Seamless, Accessible, and Reliable Mobility for All
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<i>References:</i>	<ul style="list-style-type: none">• ICAO Doc 4444 – PANS-ATM• ICAO Doc 8168 – PANS-OPS• ICAO Doc 9613 – PBN Manual• ICAO Doc 9931 – CDO Manual• ICAO Doc 9993 – CCO Manual
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1. Introduction

1.1 The Dominican Republic Airspace Restructuring Project (READ) forms part of the national modernization strategy designed to optimize airspace structures, improve traffic flows, and enhance operational predictability within the Santo Domingo FIR

1.2 The initiative supports ICAO Global Air Navigation Plan (GANP) objectives and regional performance improvement frameworks

2. Analysis

2.1 The READ project follows a structured methodology consistent with ICAO planning principles:

- Planning
- Design
- Validation
- Implementation

2.1.1 This framework ensures a performance-driven and risk-based transition toward implementation.

2.2 Structured simulations and validation exercises have confirmed the technical and operational feasibility of the proposed airspace changes.

2.3 Key validated outcomes include:

- Conceptual validation of new STARs and SIDs
- Adoption of Open STARs concept
- Feasibility of segregated runway operations at MDPC
- Revised sectorization concepts for Punta Cana TMA, Las Americas TMA and Santo Domingo ACC
- ATC training simulations

2.4 The project has achieved a mature technical stage suitable for formal procedure design and phased implementation.

2.5 The READ initiative incorporates demand-capacity balancing considerations:

- Sector capacity assessments
- Runway capacity evaluations
- Traffic flow optimization
- Workload distribution improvements

2.6 The implementation of READ is expected to generate:

- Improved operational safety margins
- Increased airspace efficiency
- Enhanced traffic flow management
- Reduced controller and pilot workload
- Environmental benefits through optimized trajectories (CDO / CCO)

2.7 A structured ATC training program has been developed, supported by:

- Progressive simulation scenarios
- Procedure-focused exercises
- Operational integration modules

2.7.1 This ensures a controlled and safe transition toward operational deployment.

3. Conclusion

3.1 The Dominican Republic Airspace Restructuring Project (READ) has reached a technically mature stage following successful validation activities.

3.2 The project represents a significant contribution to national modernization efforts and supports broader regional airspace optimization objectives