



# **“Global Seamless Sky - how to achieve it”**

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## COCESNA since 1960.....

As a Regional ANSP.....

- Improve the quality of the service
- Achieve Air navigation and communications performance standards
- Standard practices to be followed by the region.

# Standardized

ATM and pilot procedures;  
application of aircraft separation;  
airborne and navigation performance requirements;  
communication and surveillance performance requirements;  
airspace organization,  
regulation and structure;  
Air/Ground phraseology,  
flight plan format,  
data message sets and protocols,  
aeronautical information format.

# Harmonized

- Flight level allocation schemes appropriate to ATM requirements and to the direction of flight for bidirectional routes
- ATS route structure across FIR boundaries based on the traffic flow and fleet capability

# Interoperable

## ATM automation systems

- Adapt the NAM/CAR Regional Performance Based Air Navigation Implementation Plan (RPBANIP).
- Support the NAM/CAR Air Navigation Implementation Working Group (ANIWG) established to develop performance targets, goals and timeframes.

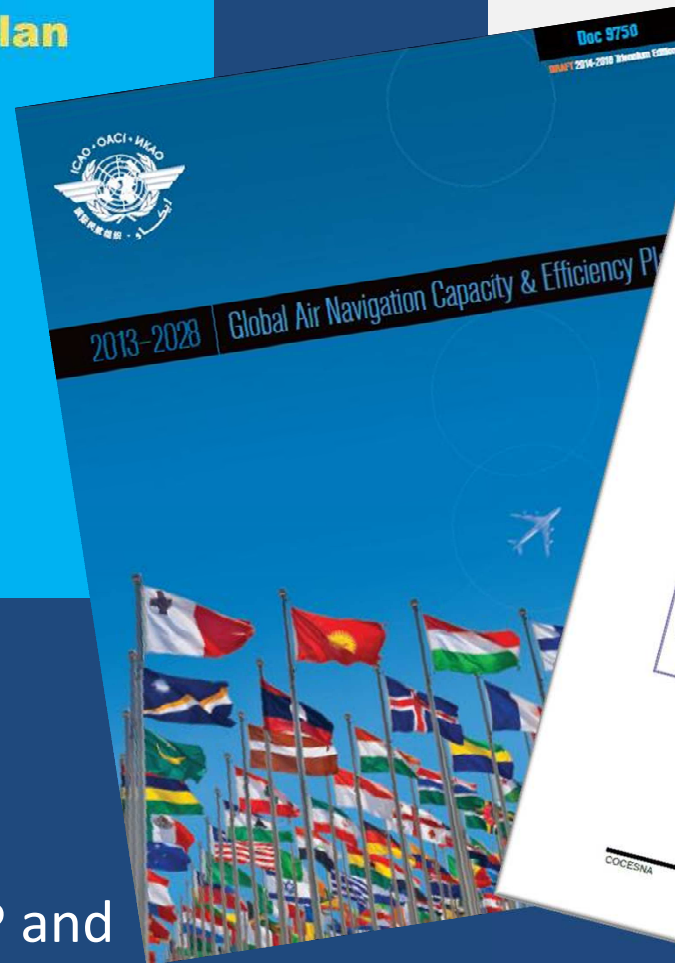




# NAM/CAR Regional Performance-Based Air Navigation Implementation Plan (RPBANIP)

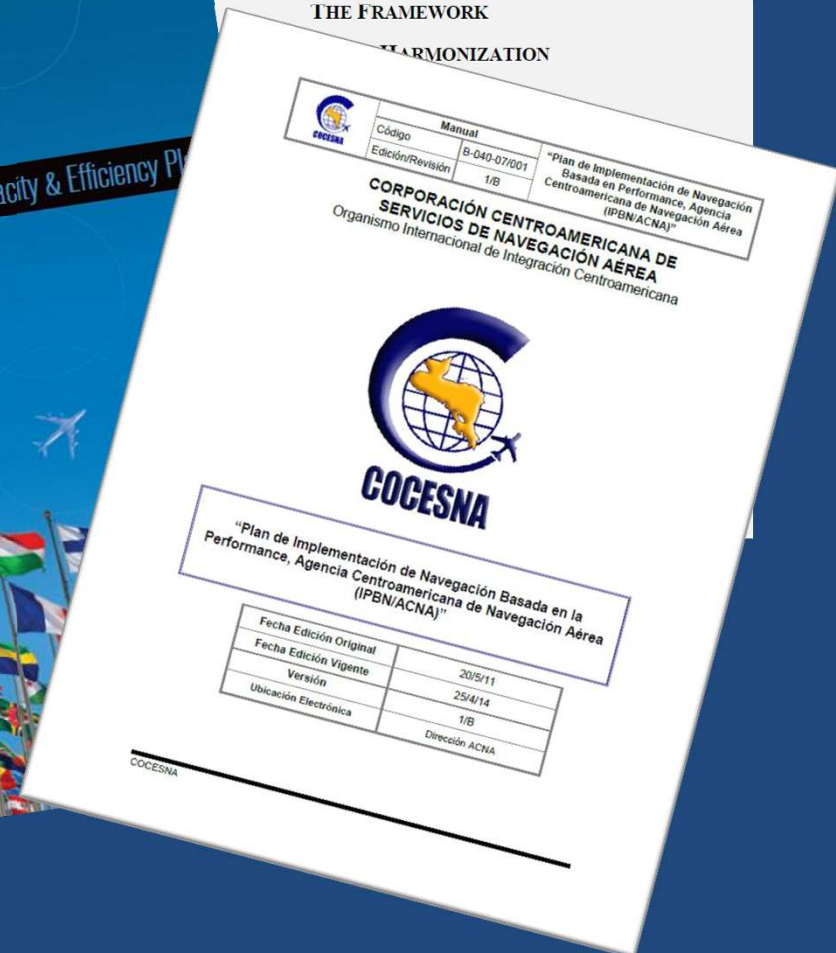
v3.1 — April 2014  
International Civil Aviation Organization

References:  
DOC 9750;  
Working  
Document for  
The Aviation  
System  
Block Upgrades,  
NAM/CAR RPBANIP and  
IPBN ACNA Document May 2014



## WORKING DOCUMENT FOR THE Aviation System Block Upgrades

THE FRAMEWORK  
HARMONIZATION



## 11 ASBU BLOCKS HAS BEEN SELECTED BY COCESNA TO BE IMPROVED

RPO \ ASBU		PIA1 Airport Operations					PIA2 SWIM			PIA3 Global Collaborative ATM							PIA4 Trajectory-based Operations		
		B0 15 RSEQ	B0 65 APTA	B0 70 WAKE	B0 75 SURF	B0 80 ACDM	B0 25 FICE	B0 30 D AIM	B0 105 AMET	B0 10 FRTO	B0 35 NOPS	B0 84 ASUR	B0 85 ASEP	B0 86 OFPL	B0 101 ACAS	B0102 SNET	B0 86 CDO	B0 20 CCO	B0 40 TBO
PBN Implementation			X						X								X	X	
Implement FUA		X							X										
Improve DCB		X			X														X
ATM situational Awareness						X	X												
Improve Cap/Efficiency																			
Aerodrome Operations							X	X											
Optimization of COM Infrastructure								X											
Implement AIM									X										
Improve MET Information																			
Improve SAR																			

**B0 10, B0 20, B0 25, B0 30, B0 35, B0 40, B0 80, B0 84, B0 86, B0 102 And B0 105**

## ***11 ASBU BLOCKS HAS BEEN SELECTED TO IMPROVE BY COCESNA 2013-2018***

<b>BLOCKS</b>	<b>ASBU IDENTIFIER</b>	<b>TO IMPROVE</b>
<b>B0-10</b>	FRT0: Free Routes Operations	RNAV and Direct Routes, reduced route spacing
<b>B0-20</b>	CCO: Continuous Climb Operations	SIDs Coordination with C.A. States
<b>B0-25</b>	FICE: Increased Interoperability Capacity Efficiency	MEVA III, AMHS, AIDC/OLDI
<b>B0-30</b>	DAIM: Digital Aeronautical Information Management	AMHS, AIXM, C.A. eAIP, Digital NOTAM, QMS
<b>B0-35</b>	NOPS: Network Operations	ATFM
<b>B0-40</b>	TBO: Trajectory –based Operations	ADS-C, CPDLC
<b>B0-80</b>	ACDM: Airport Collaborative Decision Making	ATFM, COM network
<b>B0-84</b>	ASUR: Alternative Surveillance	ADS-B, MLAT, CPDCL, AIDC
<b>B0-86</b>	OFPL: Optimum Flight Levels	ADS-B
<b>B0-102</b>	SNET: Ground Based Safety Nets	ATM System Upgrade
<b>B0-105</b>	AMET: Advanced Meteorological Information	CDM, AMHS.



# COCESNA TODAY

- Increase safety and efficiency by enhancing the communications coverage.
- Increase safety and efficiency by enhancing the RADAR and ADS-B coverage in a controlled air space by Radar data sharing between the adjacent FIRs.
- Increase air transport safety, efficiency and sustainability by PBN operations.

# PBN ROADMAP AND REGIONAL PLAN FOLLOWED BY COCESNA




2013-2016

PBN ROADMAP



ACNA  
COCESNA  
2013-2016

	Manual		"Plan de Implementación de Navegación Basada en Performance, Agencia Centroamericana de Navegación Aérea (IPBN/ACNA)"
	Código	B-040-07/001	
	Edición/Revisión	1/B	

**CORPORACIÓN CENTROAMERICANA DE  
SERVICIOS DE NAVEGACIÓN AÉREA**  
Organismo Internacional de Integración Centroamericana



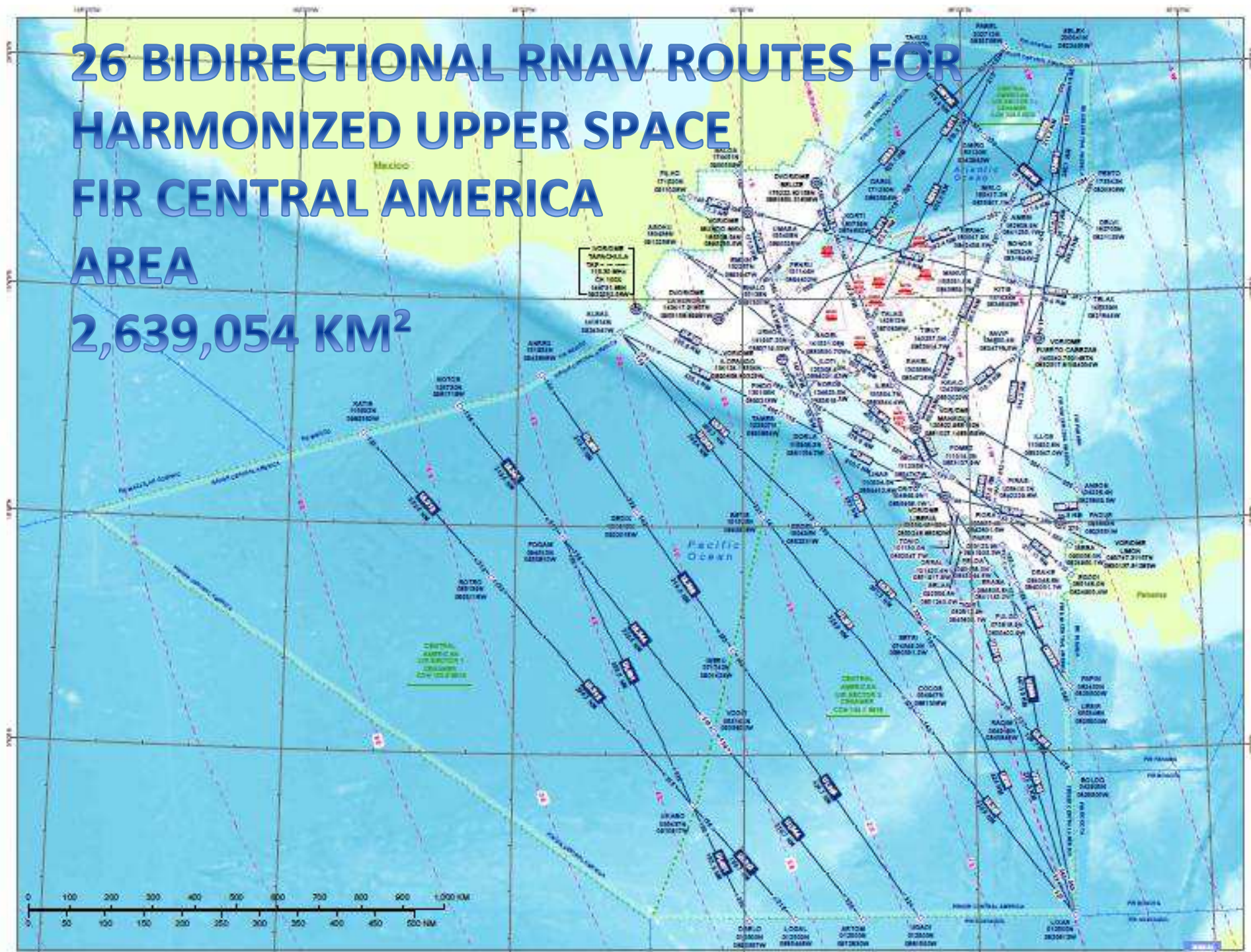
"Plan de Implementación de Navegación Basada en la  
Performance, Agencia Centroamericana de Navegación Aérea  
(IPBN/ACNA)"

Fecha Edición Original	20/5/11
Fecha Edición Vigente	25/4/14
Versión	1/B
Ubicación Electrónica	Dirección ACNA

COCESNA



# 26 BIDIRECTIONAL RNAV ROUTES FOR HARMONIZED UPPER SPACE FIR CENTRAL AMERICA AREA 2,639,054 KM<sup>2</sup>



# COCESNA TODAY

- Increase safety and efficiency by automated sharing message notification, coordination and transfer with adjacent ATS facilities.
- Improve the aeronautical information management of the States by implementing AMHS message systems, extended to AIM and meteorology.



COCESNA

# Thank you

