



“Global Seamless Sky - how to achieve it”

**Jorge Vargas Araya
Executive President
COCESNA**

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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

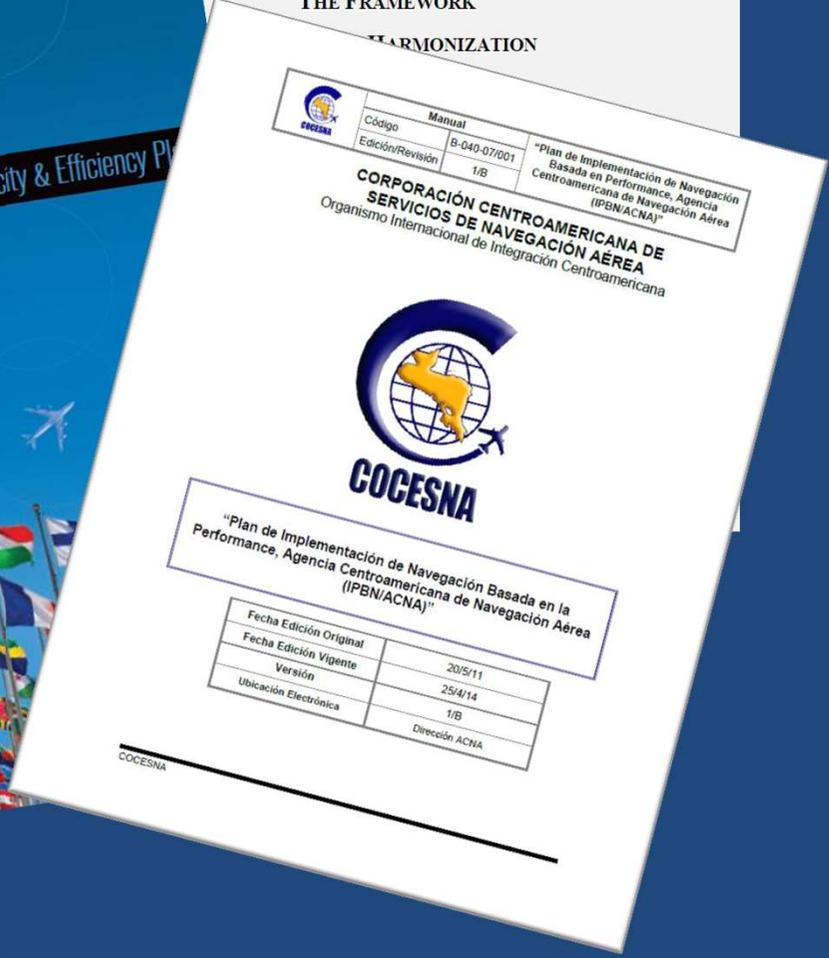
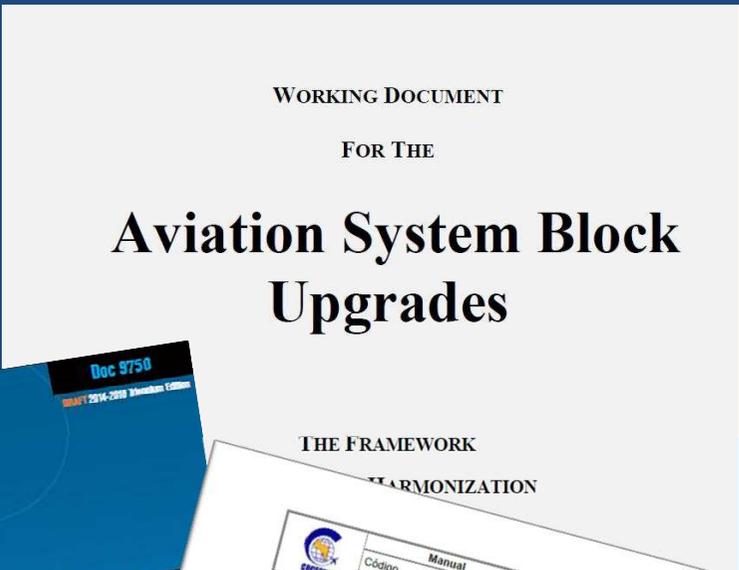
ATM automation systems

- 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

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									
Implement FUA	X								X									
Improve DCB				X														X
ATM situational Awareness	X																	
Improve Cap/Efficiency				X	X													
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

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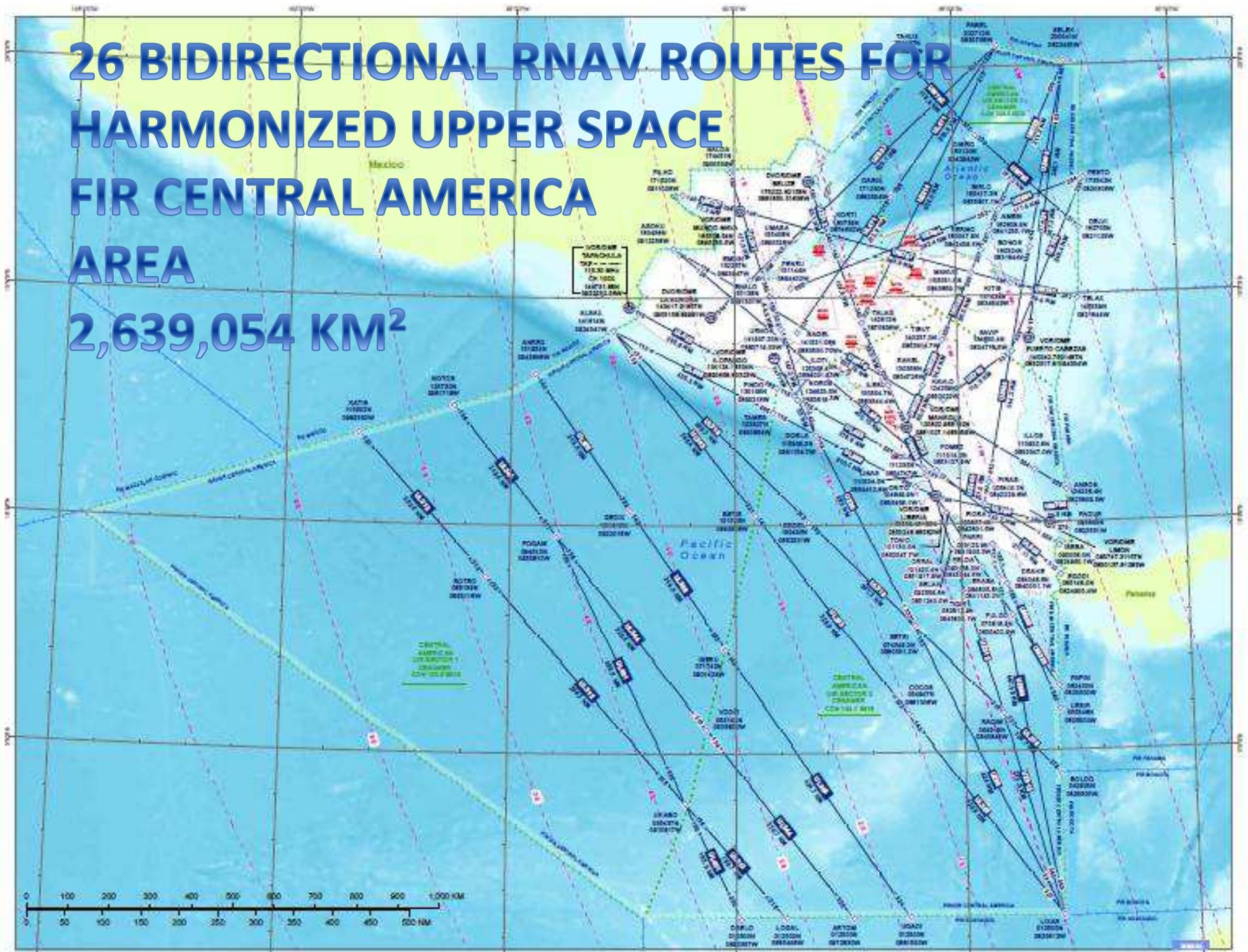
"Plan de Implementación de Navegación Basada en la Performance, Agencia Centroamericana de Navegación Aérea (IPBN/ACNA)"

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 KM²



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.



Thank you

