AIR NAVIGATION REPORT FORM (ANRF)

Regional and National planning for all ASBU Modules

REGIONAL/NATIONAL PERFORMANCE OBJECTIVE

IMPROVED OPERATIONS THROUGH ENHANCED EN-ROUTE TRAJECTORIES (ASBU B0-10)

Performance Improvement Area 3: Optimum Capacity and Flexible Flights – Through Global Collaborative ATM

ASBU B0-10: Impact on Main Key Performance Areas (KPA)

	Access & Equity	Capacity	Efficiency	Environment	Safety
Applicable	Y	Y	Y	Y	N

ASBU B0-10: Implementation Progress

Elements	Implementation Status (Ground and Air)
1. Airspace planning and application of CDM	In use
2. Flexible Use of Airspace	In use
3. Flexible Routing –Enroute PBN	GNSS in use, PBN pre-operational

ASBU B0-10: Implementation Roadblocks/Issues

Elements	Implementation Area			
	Ground system Implementation	Avionics Implementation	Procedures Availability	Operational Approvals
1. Airspace planning and application of CDM	✓	✓	✓	✓
2. Flexible Use of Airspace	✓	✓	✓	✓
3. Flexible Routing – Enroute PBN	N/A (avionics based)	✓	Enroute (RNP4) Review for better RNP (procedure designer)	En-route sub-RNP4 need to be reviewed

DRAFT

ASBU B0-10: Performance Monitoring and Measurement (Infrastructure)	
Infrastructure/Implementation referring to elements of the Module	**Performance Metrics**
1. Airspace planning and application of CDM	• NASCOM representation
2. Flexible Use of Airspace	• ATFM system (CAMU) • Number of major airports handled by the ATFM system • Number of permanently Segregated Airspaces
3. Flexible Routing –Enroute PBN	• Number of aircraft PBN/GNSS capable • Ground infrastructure (number of DME-DME)

ASBU B0-10: Performance Monitoring and Measurement(KPAs)	
Module benefits to Key Performance Areas	**Performance Metrics**
Access & Equity	• Number of NASCOM applications vs. approvals • Number of objections vs. approvals • Number of requests vs. approvals (CAMU/ATSU) • Duration of Special Use Airspace (SUA) limits Civil Operations
Capacity	• Average ATFM delay per flight at an airport • Average en-route ATFM delay generated by airspace volume
Efficiency	• Average ATFM delay per flight • Percentage of PBN routes
Environment	• Kilograms of CO_2 emissions reduced per operation
Safety	N/A

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