AIR NAVIGATION REPORT FORM (ANRF)

Regional and National planning for all ASBU Modules

REGIONAL/NATIONAL PERFORMANCE OBJECTIVE

OPTIMISATION OF APPROACH PROCEDURES INCLUDING VERTICAL GUIDANCE (ASBU B0-65)

Performance Improvement Area 1:
AIRPORT OPERATIONS

ASBU B0-65: Impact on Main Key Performance Areas (KPA)

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

ASBU B0-65: Implementation Progress

Elements	Implementation Status (Ground and Air)
1. APV with Baro VNAV	In use
2. APV with SBAS	Basic GNSS on test up to Dec 2012
3. APV with GBAS	Trials expected under regional arrangement EAC

ASBU B0-65: Implementation Roadblocks/Issues

Elements	Implementation Area			
	Ground system Implementation	Avionics Implementation	Procedures Availability	Operational Approvals
1. APV with Baro VNAV	NIL	NIL	NIL	NIL
2. APV with SBAS	NIL	SBAS avionics	e- TOD, training	training
3. APV with GBAS	GBAS station	GBAS avionics	e- TOD, training	training

ASBU B0-65: Performance Monitoring and Measurement (Infrastructure)	
Infrastructure/Implementation referring to elements of the Module	**Performance Metrics**
1. APV with Baro VNAV	1 ILS runway
2. APV with SBAS	WGS-84 surveys done for 5 aerodromes 10 SIDs and 10STARs in use e-TOD surveys not yet done 60% of aircraft equipped
3. APV with GBAS	0 GBAS stations Survey not yet dones

ASBU B0-65: Performance Monitoring and Measurement(KPAs)	
Module benefits to Key Performance Areas	**Performance Metrics**
Access & Equity	25% of runways with ILS
Capacity	80 IFR approaches and landings
Efficiency	Less than 1% EATs given Less than 1% given VOR/ILS approaches 7minutes of flying time/fuel saved per approach
Environment	30% reduction in emissions during approach.
Safety	Less than 1% of missed approaches due to unstable approaches per day

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REGIONAL/NATIONAL PERFORMANCE OBJECTIVE

IMPROVED FLEXIBILITY AND EFFICIENCY IN DESCENT (CDOs) (ASBU B0-05)

Performance Improvement Area 4:
Efficient Flight Paths

ASBU B0-05: Impact on Main Key Performance Areas (KPA)

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

ASBU B0-05: Implementation Progress

Elements	Implementation Status (Ground and Air)
1. CDO	60% of arrivals
2. PBN STARS	10 STARS

ASBU B0-05: Implementation Roadblocks/Issues

Elements	Implementation Area			
	Ground system Implementation	Avionics Implementation	Procedures Availability	Operational Approvals
1. CDO	Nil	Nil	Nil	Nil
2. PBN STARS	Nil	Nil	Nil	Nil

ASBU B0-05: Performance Monitoring and Measurement (Infrastructure)	
Infrastructure/Implementation referring to elements of the Module	**Performance Metrics**
1. CDO	1 MSSR Mode-S
2. PBN STARS	1 MSSR Mode-S
ASBU B0-05: Performance Monitoring and Measurement(KPAs)	
Module benefits to Key Performance Areas	**Performance Metrics**
Efficiency	Data to be determined by IFSET tool

AIR NAVIGATION REPORT FORM (ANRF)

Regional and National planning for all ASBU Modules

REGIONAL/NATIONAL PERFORMANCE OBJECTIVE

SERVICE IMPROVEMENT THROUGH DIGITAL AERONAUTICAL INFORMATION MANAGEMENT EN-ROUTE TRAJECTORIES (ASBU B0-30)

Performance Improvement Area 3:
Globally Interoperable Systems Data

ASBU B0-30: Impact on Main Key Performance Areas (KPA)

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

ASBU B0-30: Implementation Progress

Elements	Implementation Status (Ground and Air)
1. WGS 84, ETOD, QMS for AIM	WGS 84 done for 5 aerodromes and all way points, QMS for AIM implemmented, eTOD Surveys to be done this F/Y
2. AIXM	Partial automation has started
3. eAIP, DIGITAL NOTAM	eAIP process has started in digital form awaiting data bases

ASBU B0- 30: Implementation Roadblocks/Issues

Elements	Implementation Area			
	Ground system Implementation	Avionics Implementation	Procedures Availability	Operational Approvals
1. WGS 84, ETOD, QMS for AIM	NIL	Nil	Nil	NIL
2.AIXM	Funds	Nil	Nil	Nil
3. eAIP, DIGITAL NOTAM	Training	Nil	Nil	Nil

ASBU B0-30: Performance Monitoring and Measurement (Infrastructure)

Infrastructure/Implementation referring to elements of the Module	Performance Metrics
1. WGS 84, ETOD, QMS for AIM 2. AIXM	WGS 84 done on 5 aerodromes, 2 QMS Audits for data quality conducted each year, e-TOD implementation to start after planned surveys this F/Y 100%AFTN still in use,100% digital weather displays for ATM and

	80% FPLS processed automatically and sent to ATC via FDD
3. eAIP, DIGITAL NOTAM	Not yet implemented

ASBU B0-30: Performance Monitoring and Measurement(KPAs)	
Module benefits to Key Performance Areas	**Performance Metrics**
Access & Equity	Nil
Capacity	Nil
Efficiency	Nil
Environment	80% timely deliverly of aeronautical information to users
Safety	90% accurate data available to users