

ATTACHMENT 2 TO APPENDIX D**APPROACH PBN ACTION PLAN
GPIs 1, 12, 16, 21, 23**

1. Airspace concept	Start	End	Notes
1.1 Establish and prioritize strategic objectives (safety, capacity, environment, etc.)			
1.2 Analyze the navigation capacity of the aircraft fleet that operates at the airport			
1.3 Analyze ground-based means of communication, navigation (VOR, DME) and surveillance to meet the navigation specifications and the navigation reversal mode			
1.4 Design instrument approach procedures (APCH/APV Baro-VNAV RNP or RNP AR) based on the strategic objective of the airspace concept, taking into account airspace modeling, ATC simulations (fast time and/or real time), live tests, etc.			
2. Develop a performance measurement plan	Start	End	Notes
2.1 Draft a plan to measure performance, including gas emissions, safety, efficiency, etc.			
2.2 Implement the performance measurement plan			
3. Safety assessment procedure	Start	End	Notes
3.1 Determine the methodology to be used to assess airspace safety, based on the navigation specification, taking into account airspace modelling, ATC simulations (fast time and/or real time), live tests, etc.			
3.2 Develop a data collection programme to assess airspace safety			
3.3 Prepare a preliminary safety assessment for the application of the procedure(s)			
3.4 Prepare a final safety assessment for the application of the procedure(s)			
4 Establish a collaborative decision-making process (CDM)	Start	End	Notes
4.1 Coordinate planning and implementation requirements with air navigation service providers, regulators, users, aircraft operators and military authorities			

4	Establish a collaborative decision-making process (CDM)	Start	End	Notes
4.2	Establish the implementation date			
4.3	Establish the format and documentation of the SAM PBN website			
4.4	Report planning and implementation progress to the SAM Regional Office			

5	ATC automated systems	Start	End	Notes
5.1	Assess PBN implementation in ATC automated systems, taking into account amendment 1 to the PANS/ATM (FPLSG).			
5.2	Implement the necessary changes in ATC automated systems			

6.	Aircraft and operator approval	Start	End	Notes
6.1	Analyze aircraft and operator approval requirements (pilots, dispatchers and maintenance personnel) in keeping with the PBN manual, and develop the necessary documentation.			
6.2	Publish national regulations for the implementation of the navigation specification			
6.3	Begin the approval of aircraft and operators			
6.4	Establish and keep up to date a registry of approved aircraft and operators			
6.5	Verify the operation of the continuous monitoring programme (aircraft and procedures)			

7.	Standards and procedures	Start	End	Notes
7.1	Assess and, if applicable, publish the regulations on the use of GNSS.			
7.2	Finalize WGS-84 implementation			
7.3	Ground validation and in-flight inspection of approach procedures			

7.4	Establish the navigation database validation requirements and procedures			
7.5	Develop an AIC model to report PBN implementation plans			
7.6	Publish the AIC reporting PBN implementation plans			
7.7	Develop an AIP Supplement model containing applicable standards and procedures, including the corresponding in-flight contingencies			
7.8	Publish the AIP Supplement containing applicable standards and procedures, including the corresponding in-flight contingencies			
7.9	Review the Procedural Handbook of the ATS units involved			
7.10	Update the letters of agreement between ATS units			
7.11	Review practices and procedures to improve fuel consumption management and environmental protection			

8. Training	Start	End	Notes
8.1 Develop a training and documentation programme for operators (pilots, dispatchers and maintenance personnel)			
8.2 Develop a training and documentation programme for air traffic controllers and AIS operators			
8.3 Develop a training programme for regulators (aviation safety inspectors)			
8.4 Conduct training programmes			
8.5 Conduct seminars for operators, explaining plans and expected operational and economic benefits			

9. Implementation decision	Start	End	Notes
9.1 Assess the available operational documentation (ATS, OPS/AIR)			
9.2 Assess the percentage of approved aircraft and operators (non-exclusionary airspace)			
9.3 Analyze the results of the safety assessment			
10. Performance monitoring system	Start	End	Notes
10.1 Develop a post-implementation approach operations monitoring programme			
10.2 Implement a post-implementation approach operations monitoring programme			
Pre-operational implementation date			
Definitive implementation date			
