



مقترح بشأن برنامج اجراءات الطيران في الشرق الاوسط

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Presentation Outline

- Scope and Services
- Structure and Governance
- Financial Requirements
- Performance Measurement
- Initial Work Plan
- Questions



Scope and Services of the FPP





Scope

"the Regional Centre of Excellence in instrument procedure and airspace design, and operations approval, focusing on PBN"

Strategic Objectives

- Improved safety through availability of approaches with vertical guidance to improve safety
- More efficient use of terminal airspace through availability of PBN SIDs and STARs through:
- Provide design, implementation and training support as needed to MID States
- Increase capacity building for MID States and other stakeholders for sustainable development



Regional Issues

- Insufficient number of Instrument flight procedure (IFP) designers
- Insufficient instrument procedure design work in some States to attain or maintain proficiency
- Lack of IFP training: initial, OJT and/or recurrent
- Lack of knowledge to integrate procedure design efficiently into airspace design
- Lack of depth in procedure design organization to perform QA
- Insufficient expertise in procedure design organization to provide adequate QA of IFPs
- Lack of procedure design and obstacle data storage automation in States
- Lack of regulatory expertise to oversee the process leading to IFP publication
- Lack of operational approval expertise to obtain proper operational approval and to oversee operators for PBN operations
- Lack of service training for ATC/ATM training for PBN implementation



MID FPP Expected Outcome

- Increase in robust State PBN implementation plans
- Increase in the number of PBN procedures implemented and published in MID State AIPs
- Increase in number of TMAs with approved PBN operations
- Increase in the number of approved local carriers for PBN operations
- Demonstrated evidence for improved safety and efficiency of flight operations



MID FPP Tasks (1)

- Assist State Procedure and airspace Designers in developing their procedures with priority for PBN procedures
- Assist States with Quality Assurance (QA) including flight procedure regulatory approval
- Provide training course, refresher course and OJT to procedure designers remotely, onsite or at the MID FPP location
- Provide training course and OJT for QA including flight procedure regulatory approval
- Provide training course and OJT for operators approval for PBN operations
- Assist State for PBN Plan implementation through operational assessment, business case, and activity planning for PBN implementation
- Assist States with developing PBN-related regulations



MID FPP Tasks (2)

- Develop procedures implementation for States that have no procedure design capability
- Assist States with data origination
- Assist States with ground and flight validation
- Assist States in operators approval for PBN operations
- Provide training course and OJT for ATC/ATM and operators about PBN Flight procedures operations
- Provide States with any other associated assistance as required
- Provide States access to procedure design software applications at the MID FPP location
- Provide States access to electronic terrain and obstacle data storage as needed during training



Concept of Operations

- Stand alone office with external State/Organization support
- Initial period: 3 years
- Managed by ICAO MID Region
- Governed by a Steering Committee
- Manned with ICAO and seconded Personnel from MID Region
- Funded by contributions from MID Region States, Organizations (Sponsors), and Donors
- Participation classified as either:
 - Active Participating State;
 - Participating State;
 - User State; or
 - Observer State



Institutional Framework

- Participating State
 - Signatory to the Programme Document (PRODOC)
- Active Participating State
 - All MID participating States that commit to funding the programme by means of an annual financial contribution in line with the approved budget
 - All MAEP Board member States are by default considered as Active Participating States
- User State
 - All MID Participating States who are not Active Participating States are User States
- Observer State
 - Participating States who are not Active Participating States or User States are Observer States



Host / Location

Hosted by TBD States, ICAO MID Office,





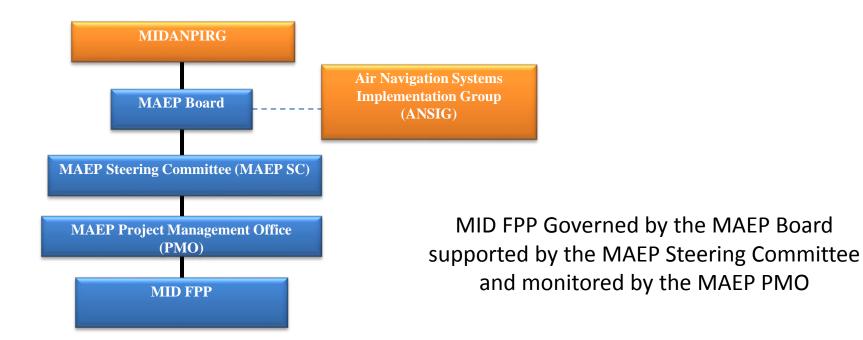


FPP Structure and Governance



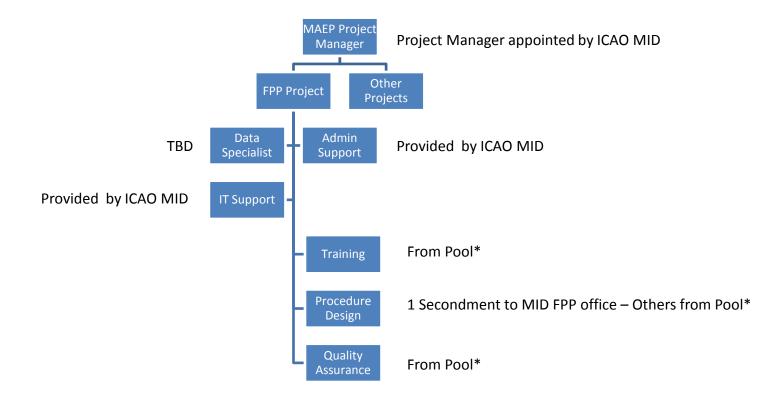


MID FPP – Governance





MID FPP – Structure/Resource Requirements



Experts in PANS-OPS, Ops Approval, QA and Training will nominated by States, Organizations and Industry to provide an available pool of experts to meet specific MID FPP tasks



Commencement Date

- Dependent upon:
 - approval and signing of PRODOC
 - commitment of resources by States
 - preparation of office space

Estimated commencement date
– July 2016



MAEP Steering Committee Responsibilities

Review of the following:

- Annual work program
- Annual Budget
- Annual financial contribution level for active participating States, including considering request for waiver of financial contributions in lieu of in-kind contribution
- Performance of the programme
- Fee schedule for services and training in consultation with ICAO policy
- Project document as deemed necessary



Financial Structure





Estimated MID FPP Annual Operating Costs

Personnel Salaries
Maintenance Costs
Travel
Software
Office Supplies
Training
Other
Total Annual Operating Costs



Required Annual State Financial Contribution

Funding Examples

Annual Accountable Expenses (AE)	Number of APS (NAPS)	Monetary Contribution by Each APS (L)	Overall Contribution by APS (C = L * NAPS)	Donation Sponsors (D)	Activity- derived Revenue (R)	Annual Accountable Income (AI = C+D+R)	Implication
200k	5	15k	75k	75k	ОК	150k	Shortfall
200K	10	15K	150K	50K	ОК	200K	Balanced
200K	5	25K	125K	75k	Ok	200k	Balanced



Performance Measurement





Performance Measurement

- The programme will be evaluated annually against the following performance factors:
 - The number of new State Implementation Plans published
 - The number of new PBN instrument flight procedures published
 - The number of procedure designers trained (course/referesher/OJT)
 - The number of personnel trained in QA
 - The number of Regulatory personnel trained in Ops Approval process
 - The number of aircraft operators approved for PBN Operations
 - The number of new TMAs with approved PBN Operations



2016/17 Work Plan





Proposed 2016/17 Work Plan

- PBN Implementation Workshop 3-4 days Date TBD
- PBN Ops Approval Course 1 week Date TBD
- PANS-OPS Initial Procedure Design Course 4 Weeks TBD
- PBN Procedure Design 3 Weeks TBD
- Design of 5-10 new instrument procedures (minimum)
- OJT on ground validating and approving procedures with specific PBN projects – Date TBD
 - Available for Active Participating States
 - Available to other States under a service fee





