



INTERNATIONAL CIVIL AVIATION ORGANIZATION

MIDDLE EAST OFFICE

**REPORT OF THE FIFTH MEETING OF THE MID REGION FLIGHT PROCEDURE
PROGRAMME STEERING COMMITTEE**

(MID FPP SC/5)

(Doha, Qatar, 14 December 2023)

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PART I - HISTORY OF THE MEETING

1. PLACE AND DURATION

1.1 The Fifth meeting of the MID Region Flight Procedures Programme Steering Committee (MID FPP SC/5) was kindly hosted by the Qatar Civil Aviation Authority (QCAA) back-to-back with the ICAO Airspace Design Workshop and PBN SG/8 Meeting at **Qatar Air Traffic Control Centre (QATCC), Doha, Qatar, 14 December 2023.**

2. OPENING

2.1 The meeting was opened by Mr. Saqr Obaid Al Marashda, Manager Airspace Management GCAA-UAE and Chairman of the MID FPP Steering Committee, who welcomed all the participants to the MID FPP SC/5 meeting. He emphasized the importance of the subjects to be addressed by the meeting, in particular the financial sustainability with regard to the future of the MID FPP and the ways to ensure a stable financial platform.

2.2 Mr. Mohamed Abubaker Farea, Regional Director (RD), MID Office who attended the meeting virtually thanked Qatar for hosting the meeting and all participants for accepting the invitation.

2.3 Mr. Mohamed Smaoui, Deputy Regional Director, ICAO Middle East Office, welcomed all the participants to Doha, Qatar. Mr. Smaoui highlighted that the MID FPP has proven to be a “success story” and has demonstrated to be a viable solution to support States in regard of assistance for Performance Based Navigation, however, due to the challenging financial situation, Mr. Smaoui highlighted that there might be a need to reconsider a change of the business model. Mr. Smaoui extended special thanks to Oatar for the excellent support and hospitality.

3. ATTENDANCE

3.1 The meeting was attended by a total of twenty (20) participants from five (5) MID States (Egypt, Jordan, Libya, Qatar and UAE), and one State from outside the MID Region (France), and (2) Organizations/industries: ADL Coordinates Pvt. Ltd and United ATS. The list of participants is at **Attachment A.**

4. OFFICERS AND SECRETARIAT

4.1 Mr. Sorin Onitiu, MID FPP Manager, was the Secretary of the meeting supported by Mr. Mohamed Smaoui, Deputy Regional Director (DRD), MID Office, Mr. Radhouan Aissaoui, Regional Officer, Information Management (RO/IM).

5. LANGUAGE

5.1 Discussions were conducted in English and documentation was issued in English.

6. AGENDA

6.1 The following Agenda was adopted:

- | | |
|----------------|--|
| Agenda Item 1: | Adoption of the Provisional Agenda |
| Agenda Item 2: | MID FPP Achievement and Activity Status Report |
| Agenda Item 3: | Programme sustainability |

- Agenda Item 4: MID FPP Work Plan for the Year 2024
- Agenda Item 5: Future Work Programme
- Agenda Item 6: Any other Business

6.2 The documentation and presentation delivered during the meeting are available on the ICAO MID Office website at: [Pages - Fifth Meeting of the MID Flight Procedure Programme Steering Committee \(MID FPP SC/5\) \(icao.int\)](#)

7. CONCLUSIONS AND DECISIONS – DEFINITION

7.1 The fifth meeting of the MID Region Flight Procedures Programme Steering Committee (MID FPP SC/5) records its actions in the form of Conclusions and Decisions with the following significance:

- a) **Conclusions** deal with matters that, according to the Group’s terms of reference, merit directly the attention of States, or on which further action will be initiated by the Secretary in accordance with established procedures; and
- b) **Decisions** relate solely to matters dealing with the internal working arrangements of the Group and its Sub-Groups.

8. LIST OF DRAFT CONCLUSIONS AND DECISIONS

- CONCLUSION 5/1: MID FPP FUTURE SUSTAINABILITY*
- CONCLUSION 5/2: MID FPP WORK PLAN FOR Y2024*
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PART II: REPORT ON AGENDA ITEMS**REPORT ON AGENDA ITEM 1: ADOPTION OF THE PROVISIONAL AGENDA**

1.1 The subject was addressed in WP/1 presented by the Secretariat. The meeting reviewed and adopted the Provisional Agenda as at Para 6 of the History of the Meeting.

REPORT ON AGENDA ITEM 2: MID FPP ACHIEVEMENTS AND ACTIVITY STATUS REPORT***MID FPP Achievements and Activity Report 2023***

- 2.1 The subject was addressed in WP/2, presented by the Secretariat.
- 2.2 The meeting noted that the MID FPP activities in 2023 (consultancy/assistance projects, workshops, and trainings) have embraced all topics contained in the Work Plan 2023 as endorsed by the MID FPP SC/3 meeting.
- 2.3 The meeting noted that MID FPP training/workshop program has covered a variety of topics addressing the States' needs in respect of basic & advanced PANS OPS (online modules), PANS OPS for CAA Inspectors, RNP AR workshop, GBAS/SBAS webinar, PBN Airspace TMA design and PBN Oversight class.
- 2.4 The meeting noted that the training program has leveraged the collaboration with the regional APAC and Africa FPPs, the support of DGAC France/ENAC and United ATS company, respectively.
- 2.5 The meeting noted that MID FPP has delivered a 3-course PBN training package (Spring session 1 & Fall session 2) attended by a total of fifteen (15) participants from Jordan, Libya, UAE and United ATS, as well as from APAC FPP and Pakistan.
- 2.6 Regarding the Programme consultancy activity, MID FPP through its dedicated pool of experts has conducted routes implementation project for Yemen and procedure design projects for Iraqi airports covering end to end IFPD quality assurance steps in purview of the regulatory approval.
- 2.7 In summary, the Table at **Appendix 2A** is consolidating all MID FPP activities accomplished and ongoing during the Year 2023.

MID FPP Success Story: Achievements, Advantages

- 2.8 The meeting noted that, since relatively short time (June 2022), MID FPP has demonstrated that it is a viable solution to support States in regard of assistance for Performance Based Navigation PBN regulatory approval and services provision.
- 2.9 The Matrix at **Appendix 2B** clearly evidenced the beneficial role of MID FPP activities as reflected in the Programme framework, in its solid experts' basis, courses diversity, high number of attendees, total revenues and free services and elevated number of States involved in MID FPP events.
-

REPORT ON AGENDA ITEM 3: PROGRAMME SUSTAINABILITY***MID FPP Financial Report for Year 2023 and Sustainability***

3.1 The subject was addressed in WP/3 and WP/5 presented by the Secretariat.

3.2 The meeting recalled that the MID FPP business model is based on cost-recovery mechanism (non-profit) and that the Programme financial sustainability is a combination of the following sources: (1) revenue generation services and activities (projects & trainings), (2) Active States' & Donor contributions and (3) voluntary contributions and donations (sponsorship, in-kind & financial contributions, experts).

3.3 Based on the approved Work Plan 2023, MID FPP has conducted various activities e.g., virtual & physical PANS OPS & PBN related trainings, workshops, and consultancy for airspace & routes design as well as Instrument Flight Procedure Design (IFPD).

3.4 The meeting noted that the MID FPP incomes during 2023 (Project Year II) from training and consultancy activities as well as from the Programme contributors are consolidated in the Table below:

MID FPP Services	Amount (USD)	Status	
		Paid	Pending
Trainings, workshop	30,561	22,361	8,200
Consultancy Projects (IFPD, Airspace Iraq)	24,900	---	24,900
Active States Annual contribution (Iran, Iraq, Kuwait, United ATS)	69,975	29,975	40,000
TOTAL	125,436	52,336	73,100

3.5 The meeting also noted that the training fee payments are detailed at **Appendix 3A**.

3.6 With regard to the Airport IFP & Airspace Design consultancy, the meeting noted that due to the project's high complexity, the deliverables will span over to 2024; therefore, for 2023 the fee charging is 30% from the total amount i.e., **USD 21,900**.

3.7 The meeting noted with concern the existence of payment arrears from 2022 for training activities as well as for 2023 annual contribution with a total amount of **USD 49,000**.

3.8 The meeting noted that the Programme Active States (Iran, Kuwait, UAE) and United ATS have benefited from free of charge participation into ENAC Airspace Design workshop and PBN Oversight course as well as the MID FPP PBN classes respectively, with a total amount of **USD 18,920** deducted from their annual contribution as reflected in **Appendix 3B**.

3.9 The meeting noted that the Programme offered free of charge attendance to APAC FPP, ENAC and MID FPP trainings to Libya, Syria, and Yemen; as well as a consultancy airspace project at no charge for Yemen, with a total amount of **USD 23,000** as reflected in **Appendix 3B**.

3.10 The meeting was apprised of the MID FPP financial status according to the MID FPP Project Financial Status Report (as of 30 September 2023) received from ICAO HQ. It was noted with concern that the balance of the funds available in the MID FPP account (RAB18801) was **USD 4,273**.

3.11 The following Table provides a **Summary** of the financial status of the MID FPP project:

Fund available as of 30 Sep 23		Payments received after 30 Sep 23		Arrears 2022 & 2023		Pending fees in 2023	
4,273	Airspace Project (Kuwait)	28,000	Iran Active State contribution for 2023	20,000	PBN 3-courses package	8,200	
	Iraq Active State	9,975	Kuwait Active State contribution for 2023	20,000			
	PANS OPS course Module 2	3,975	PANS OPS online classes	9,000	IFPD Projects (30% in 2023)	21,900	
	PBN DB Coding	1,797			Airspace Project (Iraq)	3,000	
Total	4,273	Total	43,747	Total:	49,000	Total	33,100
Expenditures (30 Sep- 31 Dec 23)		USD 49,666					
Estimated Balance as of 31 Dec 23		Pessimistic (no payments of arrears/pending fees)		USD -1,646			
		Optimistic (all arrears/pending fees are paid)		USD 80,454			

3.12 The meeting recognized the critical financial status of the MID FPP and agreed that regardless of the demonstrated technical effectiveness of the Programme, the future of the MID FPP is at risk and there might be a need to reconsider its business model.

3.13 The meeting noted that one of the important sustainability incomes of the MID FPP is the financial contributions by the Active States besides the revenue generation stream through the Programme services.

3.14 The meeting was apprised of the status of the MID FPP institutional framework as follows:

Progress of MID FPP Institutional Framework			
Status 2022		Status 2023	
Active State (2)	Kuwait, UAE (host)	Active State (4)	Iran, Iraq, Kuwait, UAE (host)
		Donor Organization (1)	United ATS
User States (4)	Jordan, Lebanon, Syria, Yemen	User States (6)	Egypt, Jordan, Lebanon, Oman, Syria, Yemen
Pool of Experts (11)	Iran (4), Oman (1), Sudan (3) UAE (3)	Pool of Expert (19)	Egypt (4), Iran (4), Kuwait (2), Oman (1), Sudan (3), UAE (3), United ATS (2)

3.15 The meeting was informed that the separation date of the MID FPP Manager is February 2024 (due to the ICAO mandatory retirement age limit).

3.16 Considering that the Programme budget baseline as of 31 Dec 2023 is expected to vary within the range of **negative (-) USD 1,646 up to USD 80,454** conditioned exclusively on the payments of arrears from 2022 and 2023, and that the separation date of the MID FPP Manager will be February 2024, it was highlighted that the continuation of the MID FPP as an ICAO CDI (ex TCB) project, through the recruitment of another Manager (even part time) would be much more challenging, since this process could not be started until the necessary (estimated) budget of (**# USD 250K**) is secured in order to run the Programme for at least one year.

3.17 The meeting stressed that in order to ensure proper MID FPP operations and to assure its sustainability as a result of “lessons learned” from the first two years 2022 & 2023, it is very important that:

- (1) a maximum number of States to join the Programme as Active State for ensuring its financial stability.
- (2) all arrears 2022 and 2023 are retroactively paid as early as possible.
- (3) all payments in 2024 to be completed in a most expeditious and effective manner.
- (4) States are recommended to consider budget allocation for trainings/workshops of interest considering the Work Plan 2024.
- (5) active participation of States experts in the training and workshop sessions organized by MID FPP.

3.18 The meeting discussed recommended options with regard to the future of the MID FPP and the ways to ensure a stable financial platform as follows:

- Foster the commitment to financially support and join the MID FPP by a maximum number of Active States (Civil Aviation Authority (CAA)/national Air Navigation Service Provider (ANSP).
- Encourage Donors from Industry and/or commercial organizations to contribute annually up to the level of an Active State.
- Urge voluntary contributions/sponsorship by Donor States.
- States to consider offering experts in secondment to support the Programme.
- Consider the review/amendment of the MID FPP Funding Mechanism i.e., increasing the annual contribution by Active States.
- Consider a payment method to avoid delays in services payment e.g., issuance of proforma and payment 50% of the fees before the start of the activity and the remaining 50% after the delivery of the service.

3.19 The meeting recognized that, despite the success of the MID FPP from the technical perspective, the current business model of the MID FPP cannot ensure the sustainability of the Programme and, accordingly, in order for the Programme to continue there is a need to change the business model.

3.20 The meeting noted with appreciation that the MID FPP Manager will continue working (free of charge) on the activities related to the IFPD/Regulatory approval projects at 3 Iraqi Intl airports (Kirkuk, Sulaymaniyah and Erbil) until the final delivery even after his separation on 15 Feb 2024.

3.21 Considering the critical financial situation faced by the MID FPP and the low level of attendance of the Active States, the meeting agreed to the following Conclusion:

CONCLUSION 5/1: MID FPP FUTURE SUSTAINABILITY

That:

- a) the Programme will continue with the same business model until the separation date of the MID FPP Manager (15 Feb 2024); and*
- b) after 15 Feb 2024, the ICAO MID Office will ensure the continuity of the Programme with minimum service (coordination) until a final decision regarding the future of the Programme is taken by the DGCA MID/7 meeting (May 2024) after discussion by MIDANPIRG/21 (March 2024).*

REPORT ON AGENDA ITEM 4: MID FPP WORK PLAN FOR THE YEAR 2024

4.1 The subject was addressed in WP/4 and WP/7 presented by the Secretariat.

MID FPP Projected budget for Year 2024

4.2 Considering the future of the Programme in the year 2024, the working paper has not been discussed, as the priority was given to the technical aspect i.e. proposed activities for the Work Plan 2024.

MID FPP Work Plan for the Year 2024

4.3 The meeting recalled that MID FPP Steering Committee (SC/3) meeting (virtual, 25 January 2023) agreed that in the Work Plan Y2023 and beyond, the activities should be customized to the needs of the member States and focused on airspace/procedure design projects as well as on customized PANS OPS training courses and PBN-related classes.

4.4 The meeting was informed that the Year 3 (2024) of the Programme is continuing to be an essential year for the MID FPP in providing support for States with training activities and consultancy/assistance services.

4.5 The meeting noted that the MID FPP consultancy services for 2024 would focus on final deliverables for specific IFPD/Regulatory Approval projects inception in 2023.

4.6 The meeting noted that MID FPP training portfolio is containing PBN-related class, initial PANS OPS course for Iraq (reported from 2023), PANS OPS advanced design (module-based) trainings, initial PANS OPS (online), PANS OPS class for CAA Oversight inspectors and workshop for States guidance for developing its National PBN Implementation Plan.

4.7 Furthermore, in order to diversify the trainings spectrum, MID FPP portfolio for 2024 includes new topics, namely, PANS OPS for ATC, Oversight of IFPD & Quality Assurance process, Airspace and Routes (airways) Design and a Webinar clarifying the new specifications of Doc. 9613 “PBN Manual”, new 5th edition.

4.8 The meeting noted that the MID FPP trainings program for 2024 is continuing to count on the dedicated support of (1) DGAC France and ENAC, (2) on the fruitful inter-collaboration with the regional APAC and Africa FPP respectively and (3) on the sustenance of United for Aviation Technology Services (UATS) company as Donor organization to the Programme and important partner.

4.9 Considering the available resources of the MID FPP and the Steering Committee decisions with regard to the future/sustainability of the programme, the meeting agreed to the following Conclusion:

CONCLUSION 5/2: MID FPP WORK PLAN FOR Y2024

*That, the MID FPP Work Plan for Y2024 at **Appendix 4A** is endorsed.*

REPORT ON AGENDA ITEM 5: FUTURE WORK PROGRAMME

5.1 Considering that the final decision with regard to the future of the MID FPP would be taken by the DGCA-MID/7 meeting (Riyadh, May 2024), the meeting was not in a position to decide about the date and venue of the next MID FPP SC meeting.

REPORT ON AGENDA ITEM 6: ANY OTHER BUSINESS

6.1 Nothing has been discussed under this Agenda Item.

APPENDICES

MID FPP Activities Report 2023				
Service Area	Activity Title	Date/ Venue	Attendee/ State	Status
Training/ Workshop	PANS OPS (APAC Module 1)	6-17.03.23 Virtual	Iran (1), Jordan (3) Syria (1), UAE (2)	Completed
	PANS OPS (APAC Module 2)	8-19.05.23 Mixed	Iran (1), Iraq (2), Jordan (2), Syria (1)	Completed
	PANS OPS (APAC Module 3)	4-15.09.23 Mixed	Iran (1), Jordan (1) Syria (1)	Completed
	RNP AR workshop (APAC)	24-28.07.23 Virtual	ICAO (2), Egypt (6), Iran (3), Jordan (2), Oman (1), Qatar (8), Syria (1), UAE (1), Yemen (8).	Completed
	GBAS/SBAS Webinar (APAC)	9.11.23 Virtual	ICAO (3), Qatar (7), Syria (1), UAE (4).	Completed
	PBN Oversight & OPS Approval	9-12.01.23, SZC/Abu Dhabi	Iraq (3)	Completed
	PBN Interrelationship Design- Coding- Charting/AIP - Session 1	14-17.03.23 SZC/Abu Dhabi	Libya (2), UATS (3)	Completed
	PBN Nav DB Coding – Session 1	7-10.03.23 SZC/Abu Dhabi	No nomination	Cancelled
	PBN OPS Approval - Session 1	21-24.03.23 SZC/Abu Dhabi	No nomination	Cancelled
	PBN Oversight (ENAC France)	20-30.03.23 Virtual	Iran (1), Yemen (1)	Completed
	Airspace Design TMA workshop (ENAC)	6-17.03.2023 Toulouse	Kuwait (2)	Completed
	Advanced PANS OPS Module 2 (Africa FPP)	3-28.04.23 Dakar	No nomination	Cancelled
	PANS OPS for CAA Inspectors (Africa FPP)	25.09-6.10.23 Yaoundé	No nomination	Cancelled
	Initial PANS OPS for Iraq (UATS instructor)	Dec 23 (6 weeks)	Iraq (10)	Preparation
	PBN Nav DB Coding – Session 2	24-27.10.23 SZC/Abu Dhabi	Jordan (1), UAE (2)	Completed
	PBN Interrelationship Design- Coding- Charting/AIP - Session 2	13-16.11.23 SZC/Abu Dhabi	APAC FPP (3), Pakistan (1), UAE (2)	Completed
	PBN OPS Approval - Session 2	19-22.12.23	Jordan (1)	Preparation
PBN Airspace Design workshop	10-11.12.23, Doha	To be determined	Preparation	

Service	Activity Description	Status
Project Consultancy	Establishment of one (1) RNAV 5 route within Saana FIR.	Finalized
	Instrument Flight Procedures Design (IFPD) for Kirkuk International Airport (ORKK).	In progress
	Conduct Safety Activities & Support of the Regulatory Approval for existing Instrument Procedures (SID, STAR, IAPs) at Sulaymaniyah International Airport (ORSU).	In progress
	Support of the Regulatory Approval for the existing Instrument Procedures at Erbil International Airport (ORER).	In progress
	Assistance to Iraq for new routes RNAV5 Baghdad/Kuwait FIR border	Finalized
	North Baghdad FIR Routes re-alignment	In progress
Institutional Framework	Steering Committee SC/3: Virtual/25 Jan 23. Total of 35 participants/11 States/3 Intl Organizations.	Finalized
	Steering Committee SC/4: Virtual/18 July 23. Total 24 participants/ 9 States.	Finalized
	Steering Committee SC/5: Doha/14 Dec 23.	Finalized

MID FPP Operations: Y2022 until (to date) 2023

Programme Framework	Pool of Experts	Courses Diversity	No.	Participants	Revenues (invoiced) *	Free Services (Activity: Attendees/Total Value)	Involved States/Entities
4 Active States 6 User States 1 Donor Industry 2 Donor States 5 Steering Committee	19 (7 States)	PANS OPS Initial (6-week)	2	59 (Y2022)	\$95,455 (Y2022)	PANS OPS M1: 1 pers/ \$2,000	Egypt, Iran, Iraq, Kuwait, Libya, Oman, Qatar, Sudan, UAE, Yemen, APAC FPP, APAC/Pakistan United ATS, ICAO MID
		PANS OPS modules (virtual)	5			PANS OPS M2: 1 pers/ \$2,000	
		RNP AR Workshop	1			PANS OPS M3: 1 pers/ \$2,000	
		PANS OPS OJT	1	94 (YTD2023)	\$105,439 (YTD2023) *	Airspace Design Workshop (ENAC): 1 pers/ \$2,000	
		PBN Oversight (ENAC)	2			PBN Interrelationship S1: 2/ \$4,000	
		PBN DB coding & Interrelation & OPS Approval	8			PBN Interrelationship S2: 4/ \$8,000	
		Asp Design Workshop (ENAC)	1			Airspace Project FIR Sanaa: \$3,000	
		CCO/CDO Workshop (ICAO)	1				
		Airspace Consultancy Project	4				
		IFPD/Regulatory Project	4				
		GBAS/SBAS Webinar	1				
TOTAL	19	PANS OPS & PBN courses, Workshops, Webinar, IFPD/ASP project consultancy services	30	153	\$200,894	\$23,000	14

* **Note:** Revenues are reflecting only the amounts that have been invoiced by ICAO CDI Bureau (ex TCB).

Status on Training Fees Payment Year 2023

Training, Workshop	Attendee	State	Invoice		Payment		Fee/Comments
			Yes	No	Yes	No	
PANS OPS (APAC Module 1) (online, 6 – 17.03.2023)	7	UAE (2)	Y	--	Y	--	\$3,165
		Jordan (3)	Y	--	Y	--	\$5,954
		Iran (1)	--	N/A	--	N/A	Active State
		Syria (1)	--	N/A	--	N/A	Free of Charge
PANS OPS (APAC Module 2) (mixed, 8 – 19.05.2023, Beijing)	6	Iran (1)	--	N/A	--	N/A	Active State
		Iraq (2)	Y	--	Y	--	\$3,975
		Jordan (2)	Y	--	Y	--	\$2,995
		Syria (1)	--	N/A	--	N/A	Free of Charge
PBN Oversight & OPS Approval (9-12.01.2023, Abu Dhabi)	3	Iraq (3)	Y	--	Y	--	\$4,475
PBN Navigation DB Coding (session 1, 7-10.03.2023, Abu Dhabi)	Cancelled (No nominations)						
PBN Inter-Relation Design – Coding – Charting/AIP (session 1, 14-17.03.23, Abu Dhabi)	5	Libya (2)	--	N/A	--	N/A	Free of Charge
		UATS (3)	--	N/A	--	N/A	Active Donor
PBN Oversight & OPS Approval (session 1, 21-24.03.23, Abu Dhabi)	Cancelled (No nominations)						
Airspace Design TMA (ENAC) (6-17.03.2023, Toulouse)	2	Kuwait (2)	--	N/A	--	N/A	Active State
PBN Oversight (ENAC) (online, 20-30.03.2023)	2	Iran (1)	--	N/A	--	N/A	Active State
		Yemen (1)	--	N/A	--	N/A	Free of Charge
Africa FPP PANS OPS Module 2 advanced (3-28.04.23, Dakar)	No nominations from MID States						
PANS OPS initial (6 weeks) Iraq (Dec 2023, six weeks, Baghdad)	10	Iraq (10)	--	N	--	N	\$15K (overhead). Iraq requested to be rescheduled in 2024*
RNP AR (APAC) Workshop (online, 24-28 July 23)	32	Syria (1) Qatar (8) Oman (1) Jordan (2) Iran (3) Egypt (6) UAE (1) Yemen (8) ICAO (2)	N/A				Free of Charge (APAC FPP)
PANS OPS (APAC Module 3) (mixed, 4-15 Sep 2023, Manila)	3	Syria (1)	--	N/A	--	N/A	Free of Charge
		Jordan (1)	--	N/A	--	N/A	User/ Free of Charge
		Iran (1)	--	N/A	--	N/A	Active State
Africa FPP PANS OPS Training for Civil Aviation Authorities (25 Sep – 6 Oct 23, Yaoundé)	No nominations from MID States						

Training, Workshop	Attendee	State	Invoice		Payment		Fee/Comments
			Yes	No	Yes	No	
GBAS/SBAS (APAC webinar) (9 Nov 2023)	15	Syria (1) ICAO (3) UAE (4) Qatar (7)	N/A				Free of Charge (APAC FPP)
PBN Navigation DB Coding (session 2, 24-27.10.23, Abu Dhabi)	3	Jordan (1)	Y	--	Y	--	\$1,797
		UAE SZC (2)	Y	--	--	N	\$3,200
PBN Inter-Relation Design – Coding – Charting/AIP (session 2, 13-16.11.23, Abu Dhabi)	6	APAC FPP (3)	N/A	--	--	N/A	Free of Charge
		Pakistan (1)	N/A	--	--	N/A	Free of Charge
		UAE (2)	Y	--	--	N	\$3,200
PBN Oversight & OPS Approval (session 2, 19 - 22.12.23, Abu Dhabi)	1	Jordan (1)	--	N	--	N	\$1,800
PBN Airspace Design Workshop (10-11 Dec 23, Doha)			N/A				In preparation, Free of Charge
TOTAL	92	11 States, 3 Org	\$22,361		\$8,200		\$30,561

** Note: The Initial (tailored) PANS OPS training class is part of Work Plan 2023 as well as is considered one of projected revenue for this year; however, due to organizational reasons, Iraq requested to MID FPP that the training class shall be postponed to and included in the Work Plan Y2024 activities.*

APPENDIX 3B

Statistics of 50% from Annual Contribution Y2023 & Free Services

State	Deducted Total Amount (USD) *	Buffer in 2023
Iran	4,800	5,200
Kuwait	6,920	3,080
Libya (<i>PBN class, free service</i>)	4,000	N/A
UAE (<i>host</i>)	2,400 (<i>discounts 20%</i>)	N/A
United ATS	4,800	5,200
Syria (<i>online training free service</i>)	6,000	N/A
Yemen (<i>ENAC training for free</i>)	2,000	N/A
Yemen (<i>Airspace Project for free</i>)	3,000	N/A
APAC FPP + APAC Pakistan (<i>PBN class, for free</i>)	8,000	N/A

* **Note:** Total amount deducted only from Active States is **USD 18,920**. Free services provided to non-Active States is **USD 23,000**

“MID FPP Work Plan for the Year 2024”

MID FPP Objectives for Year 3

The **Year 3** (2024) of the MID FPP 3-year Phase I is continuing to be an essential year for the MID FPP in fulfilling its main objectives of providing support for States with training activities and consultancy/assistance services. The purpose of the Program is to provide opportunities to use the available training activities and services proposed by the Program for Participating States.

The proposed Work Plan 2024 activities are based on (1) use/management of the enlarged team (19 experts) of Programme’s pool of resources and (2) consolidating the training experience & project consultancy expertise as delivered by the Programme during the Year 2022 and 2023.

The MID FPP services activities for 2024 will focus on final deliverables for specific IFPD/Regulatory Approval projects incepted in 2023.

The MID FPP training portfolio is containing PBN-related classes and workshops as well as custom-made/off-the-shelf PANS OPS Design (module-based) initial trainings respectively; MID FPP will be also offering a PANS OPS class addressed to the CAA Oversight inspectors and guidance to States through workshop for the development of a National PBN Implementation Plan.

Specifically, the MID FPP training portfolio for 2024 is newly including aspects of PANS OPS for ATC, Oversight of IFPD and its quality assurance process requirements, airspace and routes (airways) design and a webinar clarifying and enlightening new specifications of Doc. 9613 “PBN Manual”, new 5th edition.

Consequently, the MID FPP Objectives for Year 2024 are as follows:

- To consolidate MID FPP operations as a “building block” upon Year 1 and Year 2 groundwork.
- To focus on customer-oriented projects and consultancy for IFPs and Airspace Design to States.
- To develop and strengthen MID States capability for Procedure/Airspace Design by organizing tailored/off-the-shelf PANS OPS Training courses.
- To augment and sustain MID States knowledge on PBN concept by organizing an interrelationship PBN design – coding – charting/AIP.
- To support MID States expertise by conducting educational or “case study” PBN-related workshops and webinar.

Description of MID FPP Activities for 2024

1) Inter-relationship PBN Design – Coding – Chart/AIP course (4 days) [5-8 Feb]

Description: The course is not simply intended to familiarize the participants with ARINC 424 standard and its database coding requirements, but additionally, it will be bringing the inter-disciplinary overview on each database element, where applicable, perceived from design, charting and/or AIS/AIP perspective. The course content includes a rich number of examples illustrating the inter-dependency between the three domains.

The course is addressed to procedure designers/airspace planning professionals as well as to AIS & Charting experts involved in the State AIP production.

- Instructor: MID FPP Manager
- Sponsorship: NIL
- Material: MID FPP
- Facility: Physical (GCAA SZC Training Center, Abu Dhabi)

2) Initial PANS OPS tailored course for Iraq (6 weeks), [Q1, tentatively]

Description: There is a training request from Iraq ANSP (GCANS) for a customized initial PANS OPS training course. The tailoring is considering the course syllabus and duration as adapted to the specific needs. This training was deferred from 2023 at Iraq GCANS request.

- Instructor: United ATS Trainer
- Sponsorship/Project Owner: General Company for Air Navigation Services (GCANS)/MID FPP
- Material: United ATS
- Facility: Baghdad/Iraq, 10 attendees.

3) Initial PANS OPS Procedure Design class (4 weeks), [17 June – 12 July]

Description: The course aimed to support States/Administrations in developing their instrument flight procedure design capacity. This course consists of (1) basics, including definitions, abbreviations, units of measurements, frame of reference, (2) criteria for the fundamental instrument procedure design, including en-route, arrival procedures (STAR), departure procedures (SID), MSA, holding, NPA and ILS procedures based on ground navigation aids and (3) charting and documentation. The training is organized around courses, exercises and assessments to apply all the regulatory criteria addressing conventional procedures. The pillars of this training include a case study from ICAO Doc 9368 and a published procedure. At the end of the course, an individual assessment report could be provided to on-site participants as required.

- Instructor: APAC FPP Expert
- Sponsorship: NIL
- Material: APAC FPP
- Facility: Online, three (3) seats for MID FPP

4) PANS OPS Training for CAA Inspectors course (5 days), [Date TBD]

Description: The course aimed to support States/Administrations in strengthening its Oversight Inspectors knowledge and expertise with the guidance for quality assurance in the elements of procedure design, the requirements and process steps of Instrument Flight Procedure Design (IFPD) in general and particularly of the core process of Flight Procedure Design (FPD) as laid down in ICAO Doc. 9905, Vol. I “*Flight Procedure Design Quality Assurance System*”. It also provides familiarity and awareness towards the IFP supporting processes (software validation, training, etc.) and the upstream and downstream processes e.g., data origination, AIS, database coding. The course is open primarily to State CAA inspectors as well as to Lead/Chief Design personnel of the IFPD organizations.

- Instructor: ENAC Expert
- Sponsorship: ENAC/DGCA France
- Material: ENAC
- Facility: Toulouse/France, two (2) seats for MID FPP attendees

5) Advanced (part I)/Advanced (part II) PANS OPS course (2 weeks), [Date TBD]

Description: The course aimed to support States/Administrations in developing their PBN procedure design capacity. This course is considered as the advanced step of a thorough training to design IFR procedures. The course is made of two modules as part of UATS iGAT training courses package. The instruction consists of lectures, exercises, progress tests and examinations. The practical task consists of an PA (LPV/SBAS CAT I) and Baro-VNAV (LNAV/VNAV) type of procedures. The course is open to participants who have completed the PANS-OPS flight procedure design initial training course. Upon request and following States interest, the PBN HEL Point in Space (PinS) course may also be delivered.

- Instructor: United ATS trainer
- Sponsorship: United ATS
- Material: United ATS
- Facility: TBD (maybe Cairo at UATS premises)

6) National PBN Implementation Plan workshop (5 days), [September, Date TBD]

Description: The ICAO Assembly Resolution A37-11 requires States to develop a PBN implementation plan. The workshop aimed to support States/Administrations Civil Aviation Authority and/or Air Navigation Service Provider (ANSP) in providing guidance on how to develop a PBN implementation and transition plan and suggesting what such a plan could contain.

Whilst it is not possible to provide a tailor made PBN plan outline and, even less desirable to create a ‘one-size fits all’ transition plan, the workshop will suggest a generic architecture of what this plan should be.

- Instructor: Africa FPP facilitators
- Sponsorship: NIL
- Material: Africa FPP
- Facility: Dakar/Senegal, seats for MID FPP to be coordinated.

7) PANS OPS Oversight + IFPD Quality Assurance workshop (2 weeks), (July, Date TBD]

Description: The workshop is based on ICAO Doc. 9997 “*PBN Operational Approval Manual*” and conducts to support States in developing their operational approval capability for approving PBN operations and air operators in obtaining PBN OPS approvals, it introduces PBN and its purpose and the way PBN specifications are introduced in the oversight process. It focuses on the quality assurance processes associated with procedure design activities and the enforcement of PBN operations by aircraft operators and the associated oversight.

The purpose of the course is to provide experienced flight operations inspectors, personnel from CAA (or National Supervisory Authority), procedure designers and air operators’ staff with a comprehensive understanding of the requirements for PBN operational approval. The course is open to participants involved in PBN flight operations.

- Facilitator/Instructor: Africa FPP experts
- Sponsorship: NIL
- Material: Africa FPP
- Facility: Accra/Ghana or Yaoundé/Cameroon, seats for MID FPP to be coordinated.

8) PBN Flight Procedure Design for ATC workshop (2 days), [27-28 February]

Description: The workshop aimed to support States/Administrations in developing their PBN procedure design capacity. This course of (1) basics of PBN instrument flight procedure (IFP) design and (2) operational factors to consider in the PBN IFP design. This course is mainly for the new/potential procedure designers and air traffic controllers, but also available to other relevant personnel such as regulators of CAA inspectors, pilots, AIS and airports personnel. At the end of the workshop, a certificate of participants will be issued but no individual assessment report to participants.

- Facilitator/Instructor: APAC FPP Experts
- Sponsorship: NIL
- Material: APAC FPP
- Facility: Online, three (3) seats for MID FPP attendees.

9) PBN Manual (Doc. 9613, new 5th edition) webinar (2 days), [Date TBD]

Description: The webinar is organized together with ICAO MID office and it’s aimed to familiarize States/Administrations experts with the new 5th edition of Doc. 9613 changes affecting RNP implementation including updated technical standards from the Radio Technical Commission for Aeronautics (RTCA) and the

European Organization for Civil Aviation Equipment (EUROCAE), expansion of RNP applications where authorization is required (AR), lessons learned from RNP procedures publication and updated PBN regulatory guidance material.

- Facilitator: MIDFPP, ICAO MID, IATA, partner organizations
- Sponsorship: Industry/Stakeholders
- Material: ICAO MID & FPP
- Facility: Webinar

10) Airspace and Routes (airways) Design workshop (2 weeks), [Date TBD]

Description: The participants will learn the basics of Airspace and Routes Design (Conventional & PBN mixed environment) in order to be able to be efficiently part of an airspace design project team. The objective of this course is to provide theoretical background in the design of airspace, particularly in lower airspace and terminal areas. A practical workshop during the second week will allow participants to take part in the different steps of the design of a new Airspace with Routes based on real traffic data. The targeted audience are ATS managers, supervisors, controllers, and technicians involved in airspace and procedure design.

- Instructor/Facilitator: ENAC experts
- Sponsorship for MID FPP: ENAC France
- Material: ENAC
- Facility: Toulouse/France, two (2) seats for MID FPP Pool of Experts.

Provision of specific projects and consultancy for IFPs/Airspace design to States.

The MID FPP provides support to member States through consultancy service (based on specific requests coming from States). These services are including a broad spectrum of support provided thru the Programme resources/experts already in place as follows:

(1) IFPD Conv. STARs/IAPs Kirkuk Intl Airport/ORKK project (incepted in 2023)

Description: Conducting from survey/data gathering up to preparation of regulatory approval package and support for publication of the following Instrument Flight Procedures (IFP): ILS/DME runway 31, VOR/DME runway 13 and VOR/DME 31 as well as the design of feeder/arrival routes connecting to the Initial Approach Fix (IAF) rwy 13 and 31 respectively. Also, handling procedure design/procedure re-assessment for ILS rwy 31 and new VOR rwy 13 & 31, ground validation, support of safety activities, creation of draft charts & associated tabular description, flight validation package support, project management.

Note: The Terrain and Obstacles data survey as well as the Flight Validation activities are envisaged to be provided thru United ATS company.

- Facilitator: MID FPP Pool of Experts (PoE), UATS (*refer to Note above*)
- Sponsorship/Project Owner: Kirkuk Intl Airport
- Duration/Date: According to the Project Plan/TBD
- Facility: Remote.

(2) IFPD Risk Assessment & Regulatory approval for Sulaymaniyah Intl Airport/ORSU (incepted in 2023)

Description: Sulaymaniyah Intl Airport (ORSU) requested MID FPP to conduct a Risk Assessment for their new instrument procedures consisting of Conventional SIDs, STARs, ILS CAT I and VOR/DME for both runway 13 & 31. The initial procedure design was created by the airport experts under the supervision of an external experienced designer. The procedures were also successfully flight validated through a commercial specialized service provider.

- Facilitator: MID FPP Pool of Experts (PoE)
- Sponsorship/Project Owner: Sulaymaniyah Intl Airport (ORSU)
- Duration/Date: According to the Project Plan/TBD
- Facility: Remote.

(3) IFPD Consultancy IFP Regulatory Approval Erbil Intl Airport/ORER (incepted in 2023)

Description: Erbil requested for MID FPP consultation service for finalizing the outstanding project with CGX Aero company (France) on the new Instrument Flight Procedures (IFPs) package. The MID FPP consultancy service shall be performed in support of the regulatory approval package by Iraq CAA of the Conventional and PBN Instrument Flight Procedures SIDs, STARs, ILS and RNP runway 18 & 36, respectively.

- Facilitator: MID FPP Pool of Experts (PoE)
- Sponsorship/Project Owner: Erbil Intl Airport (ORER)
- Duration/Date: According to the Project Plan/TBD
- Facility: Remote.

MID FPP Work Plan 2024

Activity Type	Subject	Location*	Duration	Date	Remarks
Training PBN	Inter-relationship PBN Design – Coding – Chart/AIP Course	Abu Dhabi/SZC	4 days	5-8 Feb	Max ten (10) attendees.
Trainings PANS OPS	PANS OPS Initial training (tailored syllabus Iraq)	Baghdad/Iraq	6 weeks	TBD (Q1 tentatively)	Ten (10) participants. Training deferred from 2023 at Iraq request.
	Initial PANS OPS Procedure Design	Online	4 weeks	17 June-12 July	APAC FPP training class. Three (3) seats for MID FPP
	PANS OPS for CAA Inspectors	Toulouse/France	5 days	TBD	ENAC training class. Two (2) seats for MID FPP.
	Advanced (part I) PANS OPS	Onsite/TBD	2 weeks	TBD	United ATS (iGAT portfolio).
	Advanced (part II) PANS OPS and/or PinS HEL	Onsite/TBD	2 weeks	TBD (Q3 tentatively)	United ATS (iGAT portfolio for 2024). PinS on request only.
Workshops	National PBN Implementation Plan	Dakar/Senegal	5 days	TDB (September)	Africa FPP facilitators. Seats for MID FPP to be coordinated.
	PANS OPS Oversight + IFPD Quality Assurance	Accra/Ghana or Yaoundé/Cameroon	2 weeks	TBD (July)	Africa FPP. Alternate to above as based on request/interest only.
	PBN Flight Procedure Design for ATC	Online	2 days	27-28 Feb	APAC FPP workshop. Three (3) seats for MID FPP.
	PBN Manual (Doc. 9613, new 5 th edition) webinar	Onsite/TBD	2 days	TBD	MID FPP, ICAO MID, IATA. No seats limitation.
	Airspace and Routes (airways) Design	Toulouse/France	10 days	TBD	ENAC. Two (2) seats for MID FPP PoE *
Customer-oriented Projects	IFPD Conv. STARS/IAPs Kirkuk/ORKK (incepted in 2023)	MID FPP PoE *	Project Plan	TBD	Project deliverables: 70% in 2024
	IFPD Risk Assessment & Regulatory approval for Sulaymaniyah/ORSU (incepted in 2023)	MID FPP PoE *	Project Plan	TBD	Project deliverables: 70% in 2024
	IFPD Consultancy IFP Regulatory Approval Erbil/ORER (incepted in 2023)	MID FPP PoE *	Project Plan	TBD	Project deliverables: 70% in 2024

* **SZC** = GCAA Sheikh Zayed Air Navigation Training Center (MID FPP premises) * **PoE** = Pool of Experts

ATTACHMENT A



MID FPP SC/5 Meeting
(Doha, Qatar, 14 December 2023)

LIST OF PARTICIPANTS

14 December 2023

State Org/Ind.	Name	Title
Egypt	Mr. Ehab Raslan	G.M. Research & Development
France	Mr. Karim Bekkouche	Manager Cooperation Middle East - DGAC
Jordan	Mr. Sameer M. Abu Khadra	Chief of ANS Procedure Design
	Mr. Mohammad Jamil Abu-Salah	Air Traffic Controller
Libya	Mr. Ahmed Ali Ben Ahmeda	Expert Civil Aviation Authority
Qatar	Ahmed Al-Eshaq	Director Air Navigation
	Pamela Erice	AIS Officer
	Mr. Proietti Marco	
	Mr. Dan Cucu	
	Mr. Peliyagoda Christo	Pan Ops Specialist
	Mr. Pubudu Sandaruwan	Pan Ops Specialist
UAE	Mr. Tilak Priyankara N M	Pan Ops Specialist
	Mr. Saqr Al Marashda	Senior Manager Airspace Management MID FPP SC Chairman
	Mr. Mohamed Abdulla Salem Al Ameri	Senior Specialist – Airspace Design
ADL	Mr. Sumit Khinvasara	
UNITED ATS	Mr. Reda ElMadbouly	Founder and IFP Chief Designer - United for Aviation Technology Services
MID FPP	Mr. Sorin-Dan Onitiu	MID FPP Manager
ICAO MID	Mr. Mohamed Abubaker Farea	Regional Director (RD) - attended virtually
	Mr. Mohamed Smaoui	Deputy Regional Director (DRD)
	Mr. Radhouan Aissaoui	Regional Officer, Information Management (RO/AIM)
	Captain Knowles Ian	Chief of OPS Section – ICAO HQ