



Fifth Meeting of the Directors General of Civil Aviation- Middle East Region

الاجتماع الخامس للمدراء العاميين للطيران المدني في منطقة الشرق الأوسط

DGCA-MID/5

Kuwait 4-6 Nov 2019



Regional Projects/ Initiatives



Presented by :
ICAO MID Office



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الإيكاو ٢٠١٩
٧٥ عاماً
من التأسيس إلى آراء العالم



MID Region Projects

MID Region AIM Database (MIDAD)

MENA Regional Safety Oversight Organization

Common aeRonautical VPN (CRV)

MID Region Flight Procedure Programme (MID FPP)

Air Traffic Flow Management (ATFM)

The Projects were supported by the Global Ministerial Aviation Summit (Riyadh 2016),
DGCA-MID, MIDANPIRG, RASG-MID and ACAO EC/GA

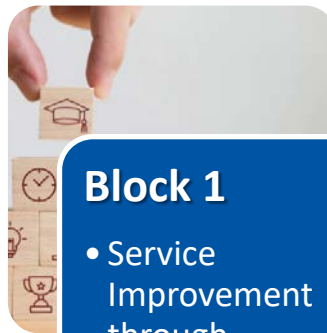
DAIM GANP 6th Ed



Basic Building Blocks

- Quality-assured product-centric Aeronautical Information Services

AIS



Block 1

- Service Improvement through enhanced data quality and digital exchange and processing of info

AIM 1.0



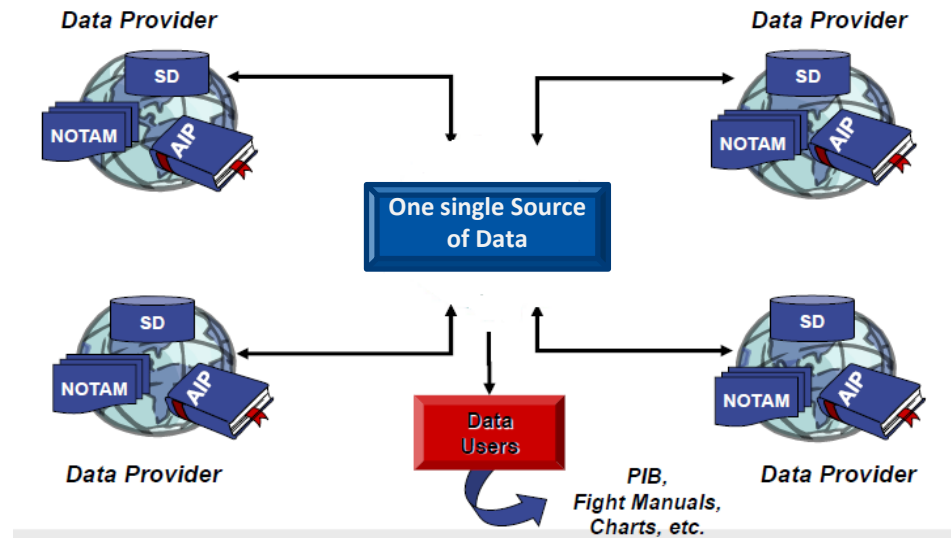
Block 2

- Service improvement through dissemination of aeronautical info via SWIM and new info for new users

AIM 2.0

MID Region AIM Database (MIDAD)

The establishment of Regional/Sub-regional AIM Database (MIDAD) in the MID Region would improve the quality, availability and timeliness of aeronautical information provided to users and pave the way for the transition from AIS to AIM to AIM 2.0 to SWIM.





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MIDAD Benefits

1

One Single Source of Aeronautical Information

Improved Availability/ Accessibility of data/information

2

3

Will foster transition towards AIM and SWIM

Safety - Improved data quality

4

5

The system will evolve with all ICAO amendments , including ,
AIXM 5.X, Digital NOTAM, etc

Minimizing risks and delays

6

7

Cost Effectiveness



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MIDAD Implementation Phases

Individual Migration of
MID States to EAD

Setup of MIDAD
Manager

Implementation of
MIDAD System and
Services

Phase A

Phase B

Phase C

States to provide
EUROCONTROL with
data related to
revenue from ATS
En-Route services





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MIDAD Phase A Benefits

- Cost effectiveness including shared investments and resources;
- Data Quality and Integrity;
- Training;
- Compliance with ICAO requirements, including an expeditious transition from AIS to AIM;
- Technical solutions including system upgrades;
- Interoperability;
- System and Service security;
- Back-up and Contingency.



MIDANPIRG/17 Conclusion

CONCLUSION 17/1: MID REGION AIM DATABASE (MIDAD)

That:

- the status of individual migration by MID States to EAD (MIDAD Project Phase A) be monitored by the AIM Sub-Group; and
- the development of a detailed action plan for the implementation of the MIDAD Project Phase B (set-up of MIDAD Manager) be initiated when at least **7 States** complete their migration to EAD.

Current Status

Migrated	1
Planning	6
Under Consideration	2
No Plan/No data	6



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Support the implementation of the State Safety Programme (SSP)

Enhance States' safety oversight capabilities

The First MENA RSOO Steering Committee (DGs Level) was held on 1 October 2018, in Riyadh, Saudi Arabia, back-to-back with the Fourth MID Region Safety Summit (2-3 October 2018)





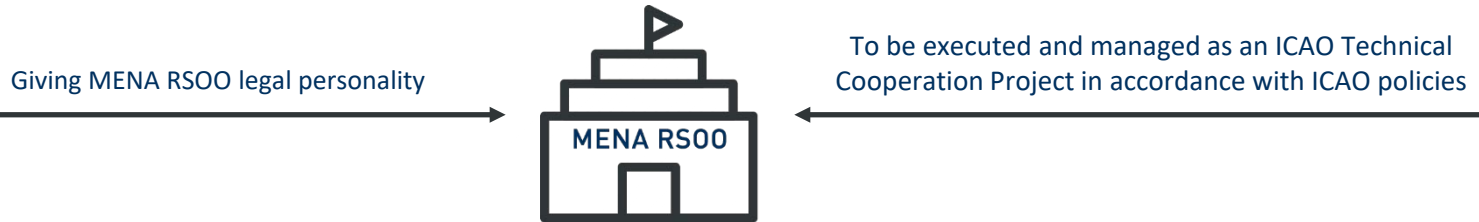
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MOA

Memorandum of Agreement

ProDoc

Project Document



Binding Agreement Signed by Member States



Revised Letter of Intent

signed by 15 States (Bahrain, Egypt, Jordan, Kuwait, Lebanon, Libya, Mauritania, Morocco, Oman, Palestine, Saudi Arabia, Somalia, Sudan, UAE and Yemen).



Signed by Member States with ICAO



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Source of Funding





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First MENA RSOO Technical Meeting

- Held at the MENA RSOO premises (Riyadh, Saudi Arabia, 2-4 February 2019).
- The MOA was circulated to the States by ACAO and feedback received from some States.





First MENA RSOO Technical Meeting

Phase 1

Initiate the operations of the MENA RSOO based on the MOA to be signed by the member States during the Second MENA RSOO Steering Committee meeting. This phase includes the following actions:

- The MENA RSOO Steering Committee to designate an official from the member States to resume the position of MENA RSOO Manager.
- Saudi Arabia to assign two technical experts and required support staff.



First MENA RSOO Technical Meeting

Phase 2

Continue the operations of the MENA RSOO according to one of the following options:

- The mechanism contained in the Project Document prepared by the International Civil Aviation Organization (ICAO), in coordination with the Arab Civil Aviation Organization, which allows for the project to be executed as an ICAO Technical Cooperation Project in accordance with ICAO policies, including recruitment of the experts.
- Any other a mechanism to be decided by MENA RSOO Steering Committee, which should be finalized during Phase 1.



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ACAO 61 Executive Committee

The last meeting of the Executive Committee held in Rabat on the 29th and 30th of April 2019 agreed that a second technical meeting be organized by Saudi Arabia to review States' feedback and propose the necessary actions for the next step.



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Next Steps

- Review States' feedback (MOA) by the second technical meeting to be organized by Saudi Arabia (Date to be coordinated with ACAO and ICAO MID Office).
- Organize the Second MENA RSOO Steering Committee (DGs Level) in Saudi Arabia in coordination with ACAO and ICAO MID Office.



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Common aeRonautical VPN (CRV)

- CRV is a cross-border, cost-effective, and common IP based communication network for the ICAO APAC and MID Regions.
- provided by a common network service provider (PCCW Global limited).







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CRV Benefits

- Provides a robust IP-based infrastructure for exchanging critical information reliably and securely;
- Rationalizes coordination for network management and enhancement;
- Reduces telecommunication costs;
- Solves current limitations and aeronautical communication deficiencies;
- Responds to Air Traffic requirements in a timely and standardized manner; and
- Enables or facilitates a number of ASBU modules (B1-SWIM, B1-FICE, B1-DATM, B1-NOPS and B1-AMET)





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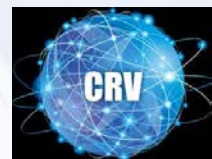


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Services carried by CRV

- Ground-ground voice communications
- Ground-ground ATS surveillance data
- Ground-ground AIDC/OLDI data
- Ground-ground COM data
- Ground-ground ATFM data
- Ground-ground SWIM data
- Miscellaneous data: *other data not pertaining to the categories above*





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CRV Project's Current Status

- MIDANPIRG/17 meeting agreed to conduct a special meeting on CRV project with SMEs from the MID States (MIDAMC STG/5);
- MIDAMC STG/5 conducted in 13-14 October 2019 and hosted by IATA;
- The MIDAMC STG/5 meeting discussed technical requirements, security issues and implementation plan;
- The meeting agreed that the CRV service provider will conduct site surveys, and provide States with new pricelist by the **mid of November 2019**.





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MID Flight Procedure Programme (MID FPP)

- The MID FPP main objective is to assist States to develop sustainable capability in the instrument flight procedure (IFP) design, Performance Based Navigation (PBN) airspace design and PBN OPS approval, including regulatory oversight.
- The MID FPP will be established as an ICAO TCB project
- It will be hosted by Lebanon in Beirut ?
- The MID FPP Project Document (ProDOC) was circulated to States on 9 May 2018.



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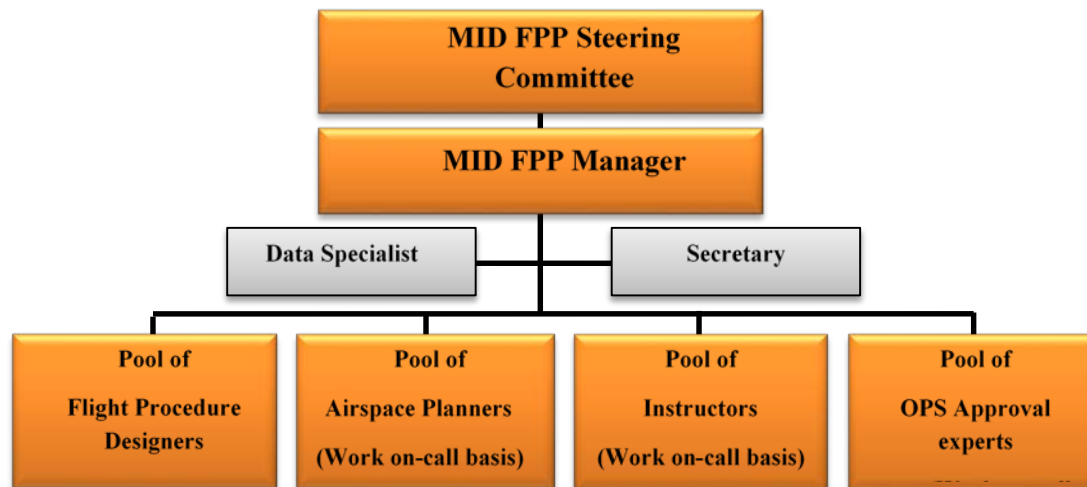


MID Flight Procedure Programme (MID FPP)

- ICAO managed to secure the required fund to run the MID FPP for the first year
- State Letter Ref.: AN 6/33 – 19/311 dated 20 October 2019, updating States on the current status and invited them to join the MID FPP through the signature of the ProDoc during this meeting
- Coordination meeting will be held in Aqaba, Amman (4-5 December 2019)
- First Meeting of the MID FPP Steering Committee (1st quarter of 2020) once five States sign the ProDoc



MID Flight Procedure Programme (MID FPP) Cont'd Organizational Structure



Note. Only the MID FPP Steering Committee, composed of States that signed the ProDoc, will decide on the financial mechanism and the work programme of the MID FPP.



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The meeting is invited to

- a) Take appropriate actions to expedite the implementation of the agreed regional projects
- b) Urge States to implement the provisions of the Conclusions and Decisions related to regional projects emanating from the DGCA-MID, MIDANPIRG, RASG-MID meetings and their subsidiary bodies
- c) Encourage States and Organizations to continue their support to the regional projects and initiatives.



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CELEBRATE



Thank You