



# **Third Meeting of the Aeronautical Information Management Sub-Group (AIM SG/3)**

*Cairo, Egypt, 15-18 May 2017*

**Name of State**

**Presented by**

**Chief of AIS**



# Outline

- [**Lebanon**] National AIM Implementation Roadmap
- Status of B0-DATM Implementation
- Outlook 2020
- Status of AIM Deficiencies
- Lessons Learned
- Challenges
- Recommendations



# [*Lebanon*] National AIM Implementation Roadmap

Phase/Step	StepNo.	Timeline																Start	End	Remarks	
		2016				2017				2018				2019							2020
Phase I																					
AIRAC adherence	P-03																				
WGS-84 implementation	P-05																				
QMS	P-17																	2016	2018	Quality Manual is available  <i>(Setting procedures for full implementation)</i>	
Phase II																					
Data Quality Monitoring	P-01																	2016	2018	PC <i>(Part of QMS requirements)</i>  <i>(SLAs have been establishes with Originators to track the quality of data and to measure it against the ICAO Annex requirements.)</i>	
Data Integrity Monitoring	P-02																	2016	2018	PC <i>(Part of QMS requirements)</i>  <i>(Internal procedures have been established to ensure traceability and the accuracy of data to be published in timely manner).</i>	
AIXM	P-06																	2018	2020	Current Version 4.5  Planning to introduce V5.1 starting 2018	
Unique identifiers	P-07																			FC	
Aeronautical information conceptual model	P-08																				
eAIP	P-11																			<i>Digital on CD</i>  <i>(Planned to be be available on internet webpage starting 2018)</i>	
Terrain A-1	P-13																	2016	2017	To be Implemented on 2017	
Obstacle A-1	P-14																	2016	2017	To be Implemented on 2017	
Terrain A-4	P-13																			N/A	
Obstacle A-4	P-14																			N/A	
Terrain A-2	P-13																	2016	2017	Area 2a, 2b, 2c and/or 2d  To be Implemented on 2017	
Obstacle A-2	P-14																	2016	2017	Area 2a, 2b, 2c and/or 2d To be Implemented on 2017	
Terrain A-3	P-13																	2016	2017	To be Implemented on 2017	
Obstacle A-3	P-14																	2016	2017	To be Implemented on 2017	
AD Mapping	P-15																	2018	2020	To be Discussed	
Phase III																					
Aeronautical data exchange	P-09																	2018	2020		
Communication networks	P-10																	2018	2020		
Aeronautical information briefing	P-12																	2014	2020	ICAO format and criteria are being used as from phase 1.  <i>(Will be expanded to include all related elements with the introduction of AIXM 5.1)</i>	
Training	P-16																	2016	2020	Training will be carried on through all phases of implementation	
Agreement with data originators	P-18																	2016	2017	<i>SLAs have been establishes with Originators to track the quality of data and to measure it against the ICAO Annex requirements.</i>	
Interoperability with meteorological products	P-19																	2018	2020		
Electronic aeronautical charts	P-20																	2018	2020		
Digital NOTAM	P-21																	2018	2020		

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# Status of B0-DATM Implementation

## Abbreviations used in Status Tables:

NI: Not implemented

PI: Partially Implemented

FI: Fully Implemented

NC: Not Compliant

PC: Partially Compliant

FC: Fully Compliant

N/A: Not Applicable

*Note – NC/PC/FC is used for the provisions required by SARPS; NI/PI/FI are regionally agreed requirements*



# [Lebanon] National AIM Implementation Roadmap

## STATUS OF AIRAC ADHERENCE

	AIRAC Adherence	Remarks
Lebanon	√	

## STATUS OF IMPLEMENTATION OF WGS-84

	ENR	Terminal	AD	GUND	REMARKS
LEBANON	F	F	F	F	

## STATUS OF IMPLEMENTATION OF QMS

	Not started	Planning	Ongoing/ partially implemented	Implemented	ISO 9001 Certified	Date of Certification
Lebanon			√			



# [Lebanon] National AIM Implementation Roadmap

## STATUS OF IMPLEMENTATION OF eAIP

	IAID Driven eAIP	Remarks
Lebanon	PI	eAIP available on CD-ROM

## STATUS OF IMPLEMENTATION OF AIXM-BASED AIS DATABASE

	AIXM Based AIS Database	Remarks
Lebanon	√	AIXM 4.5



Provision of AIS/AIM products and services based on the Integrated Aeronautical Information Database (IAID)			
Elements	Status	Action Plan	Remarks
Integrated Aeronautical Information Database (IAID)	PI	completion date 2020	Current Database serves AIXM4.5. New (IAID) will be introduced to serve Ver. 5.1
AIXM (+version)	V. 4.5	(For NI, please provide completion date)	AIXM Ver. 4.5, planning for Ver. 5.1 2018-2020
eAIP (IAID-based)	PI	completion date 2020	(FI/PI/NI)
NOTAM (IAID-based)	NC	completion date 2020	(FC/NC)
SNOWTAM (IAID-based)	NC	completion date 2020	(FC/NC)
PIB (IAID-based)	NC	completion date 2020	(FC/NC)
Charting (interoperable with IAID)	NC	completion date 2020	(FC/PC/NC)
Procedure Design (interoperable with IAID)	FC	(For PI/NI, please provide completion date)	(FI/PI/NI)
ATS (interoperable with IAID)	???	(For PI/NI, please provide completion date)	(FI/PI/NI)



Aeronautical Data Quality			
Elements	Status	Action Plan	Remarks
Quality Management System (QMS)	NC	2018	Quality Manual is available (Setting procedures for full implementation)
Formal agreement with originators	PC	2017	Still waiting for Originators (Armed and customs ..)
Digital data exchange with originators	NI	2020	
Metadata	PC	2018	(FC/PC/NC) Metadata is available for the TOD survey
Data quality monitoring	PC	2018	(Part of QMS requirements) (SLAs and procedures have been establishes to track the quality of data and monitor its integrity)
Data integrity monitoring	PC		
AIRAC adherence	FI	(For NC, please provide completion date)	



WGS-84			
Elements	Status	Action Plan	Remarks
FIR/ENR	FC	(For PC/NC, please provide completion date)	(FC/PC/NC)
Terminal	FC	(For PC/NC, please provide completion date)	(FC/PC/NC)
AD	FC	(For PC/NC, please provide completion date)	(FC/PC/NC)
Geoid Undulation (GUND)	FC	(For PC/NC, please provide completion date)	(FC/PC/NC)

electronic Terrain and Obstacle Datasets (eTOD)			
Elements	Status	Action Plan	Remarks
Area 1 Terrain	NC	completion date 2017	eTOD for areas 1, 2a, b, c, d, and area3 for OLBA (Survey is under the implementation Phase)
Area 1 Obstacles	NC	completion date 2017	
Area 4 Terrain	N/A		
Area 4 Obstacles	N/A		
Area 2a Terrain	NC	completion date 2017	
Area 2a Obstacles	NC	completion date 2017	
Area 2b Terrain	NC	completion date 2017	
Area 2b Obstacles	NC	completion date 2017	
Area 2c Terrain	NC	completion date 2017	
Area 2c Obstacles	NC	completion date 2017	
Area 2d Terrain	NC	completion date 2017	
Area 2d Obstacles	NC	completion date 2017	
Area 3 Terrain	NC	completion date 2017	
Area 3 Obstacles	NC	completion date 2017	
AMDB	NC	completion date 2017	



# Outlook 2020

## (Status of B0-DATM by 2020)

B0 – DATM: Service Improvement through Digital Aeronautical Information Management				
Elements	Applicability	Status	Action Plan/Timelines	Remarks
National AIM Roadmap	State		(For NI, please provide completion date)	(FI/NI)
AIXM (+version)	State	Ver. 4.5	(For NI, please provide completion date)	(FI/NI) (Ver. 4.5/ 5.1) Vers. 5.1 will be introduced by 2018
Eaip	State	FI	(For PI/NI, please provide completion date)	(FI/PI/NI)
QMS	State	NC	completion date 2018	(FC/NC)
WGS-84	ENR	FC	(For PC/NC, please provide completion date)	(FC/PC/NC)
	AD	FC		
	TMA	FC		
	GUND	FC		
eTOD	Area 1 Terrain	NC	completion date 2017	(FC/PC/NC) eTOD for all areas are under implementation phase
	Area 1 Obstacle	NC		
	Area 4 Terrain	N/A		
	Area 4 Obstacle	N/A		



## Status of AIM Deficiencies

AIM Deficiency	Status	Action Plan/Timelines	Remarks
[Your State's AIM Deficiency on MANDD]		(For "Not completed", please provide completion date)	(Completed/Not completed)
[Your State's AIM Deficiency on MANDD]		(For "Not completed", please provide completion date)	(Completed/Not completed)
[Your State's AIM Deficiency on MANDD]		(For "Not completed", please provide completion date)	(Completed/Not completed)
[Your State's AIM Deficiency on MANDD]		(For "Not completed", please provide completion date)	(Completed/Not completed)
[Your State's AIM Deficiency on MANDD]		(For "Not completed", please provide completion date)	(Completed/Not completed)



# Lessons Learned





# Challenges

- Lack of Personnel
- Training
- Financial Problems



**Your State/  
Organization  
Logo Here**

# Recommendations







**Your State/  
Organization  
Logo Here**

# Thank you