



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

Cairo, Egypt, 15-18 May 2017

Sudan

Presented by

HASSAN GHRASHI

DEPUTY AIM DIRECTOR



Outline

- Sudan National AIM Implementation Roadmap
- Status of B0-DATM Implementation
- Outlook 2020
- Status of AIM Deficiencies
- Lessons Learned
- Challenges
- Recommendations



Sudan National AIM Implementation Roadmap

APRIL 2017

Phase/Step	Step No.	Timeline					Start	End	Remarks
		2014	2015	2016	2017	2018			
Phase I									
AIRAC adherence	P-03								Already Implemented
WGS-84 implementation	P-05								Already Implemented
QMS	P-17								Already Implemented
Phase II									
Data Quality Monitoring	P-01								
Data Integrity Monitoring	P-02								
AIXM	P-06								In progress, some elements are implemented
Unique identifiers	P-07								
Aeronautical information conceptual model	P-08								
eAIP	P-11								Contract Signed
Terrain A-1	P-13								
Obstacle A-1	P-14								
Terrain A-4	P-13								Not Applicable
Obstacle A-4	P-14								Not Applicable
Terrain A-2	P-13								Beyond 2018 Please specify implementation of Area 2a, 2b, 2c and/or 2d
Obstacle A-2	P-14								Beyond 2018 Please specify implementation of Area 2a, 2b, 2c and/or 2d



Phase/Step	Step No.	Timeline												Start	End	Remarks	
		2014			2015			2016			2017						2018
Terrain A-3	P-13																Beyond 2018
Obstacle A-3	P-14																Beyond 2018
AD Mapping	P-15																Beyond 2018
Phase III																	
Aeronautical data exchange	P-09																
Communication networks	P-10																
Aeronautical information briefing	P-12														2005	-	Already Implemented
Training	P-16														2014	Ongoing	
Agreement with data originators	P-18														2015	2017	Only Military is pending/ongoing
Interoperability with meteorological products	P-19														2012	-	Already Implemented
Electronic aeronautical charts	P-20																
Digital NOTAM	P-21																



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

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)	FI	<i>BY 2017</i>	
AIXM (+version)	PI	<i>By 2017</i>	<i>(version 5.1)</i>
eAIP (IAID-based)	PI	<i>By 2017</i>	<i>(FI/PI/NI)</i>
NOTAM (IAID-based)	FC		
SNOWTAM (IAID-based)	NA		
PIB (IAID-based)	FC		
Charting (interoperable with IAID)	PI	<i>BY 2017</i>	
Procedure Design (interoperable with IAID)	PI	<i>BY 2017</i>	
ATS (interoperable with IAID)	FI		



Aeronautical Data Quality			
Elements	Status	Action Plan	Remarks
Quality Management System (QMS)	FC		
Formal agreement with originators	PC	Military National survey	
Digital data exchange with originators	NI	By 2018	
Metadata	NC	BY 2017	
Data quality monitoring	PC	BY 2017	
Data integrity monitoring	PC	BY 2017	
AIRAC adherence	FC		



WGS-84			
Elements	Status	Action Plan	Remarks
FIR/ENR	FC		
Terminal	FC		
AD	FC		
Geoid Undulation (GUND)	FC		

electronic Terrain and Obstacle Datasets (eTOD)			
Elements	Status	Action Plan	Remarks
Area 1 Terrain	NC	BY 2018	
Area 1 Obstacles	NC	BY 2018	
Area 4 Terrain	NC	BY 2018	
Area 4 Obstacles	NC	BY 2018	
Area 2a Terrain	NC	BY 2018	
Area 2a Obstacles	NC	BY 2018	
Area 2b Terrain	NC	BY 2018	
Area 2b Obstacles	NC	BY 2018	
Area 2c Terrain	NC	BY 2018	
Area 2c Obstacles	NC	BY 2018	
Area 2d Terrain	NC	BY 2018	
Area 2d Obstacles	NC	BY 2018	
Area 3 Terrain	NC	BY 2018	
Area 3 Obstacles	NC	BY 2018	
AMDB	NC	BY 2018	



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	NC	2018	
AIXM (+version)	State	FI	2017	Version 5.1
eAIP	State	FI	2017	
QMS	State	FI		
WGS-84	ENR	FI		
	AD	FI		
	TMA	FI		
	GUND	FI		
eTOD	Area 1 Terrain	NC	2018	
	Area 1 Obstacle	NC		
	Area 4 Terrain	NC		
	Area 4 Obstacle	NC		



Status of AIM Deficiencies

AIM Deficiency	Status	Action Plan/Timelines	Remarks
Lack of AIXM-based AIS Database	NC	2017	
Lack of the required Terrain Datasets for eTOD Area 1	NC	2018	
Lack of the required Obstacle Datasets for eTOD Area 1	NC	2018	
<i>[Your State's AIM Deficiency on MANDD]</i>			
<i>[Your State's AIM Deficiency on MANDD]</i>			



Lessons Learned





Challenges

- AIMX 5.1 underdevelopment
- Training Centers



Recommendations





Thank you