



NCLB – AIM Workshop
Cairo, Egypt, 11-13 September 2017



EGYPT
ASBU B0-DATM
Implementation Status



Outline

- EGYPT National AIM Implementation Roadmap**
- Status of B0-DATM Implementation**
- Outlook 2020**
- Challenges**
- Lessons Learned**
- Recommendations**



Egypt National AIM Implementation Roadmap



EGYPT National AIM Implementation Roadmap

Egypt AIM Committee



❑ ECAA AIM Committee is held every Three months.

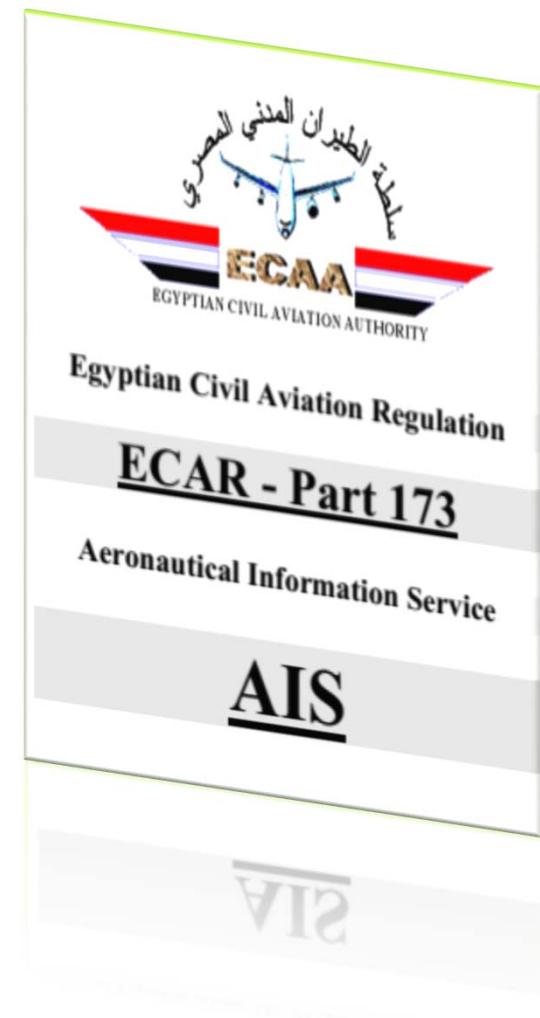
❑ Egypt B0-DATM Implementation status is provided by the end of the year.

❑ National ASBU B0-DATM is implemented aligning with (MID Doc 002).



EGYPT National AIM Implementation Roadmap

□ Egyptian Civil Aviation Regulation, ECAR part 173 (Amended Version, Issue 2017) includes transition from AIS to AIM aligning with the MID Region Air navigation Strategy Requirements.



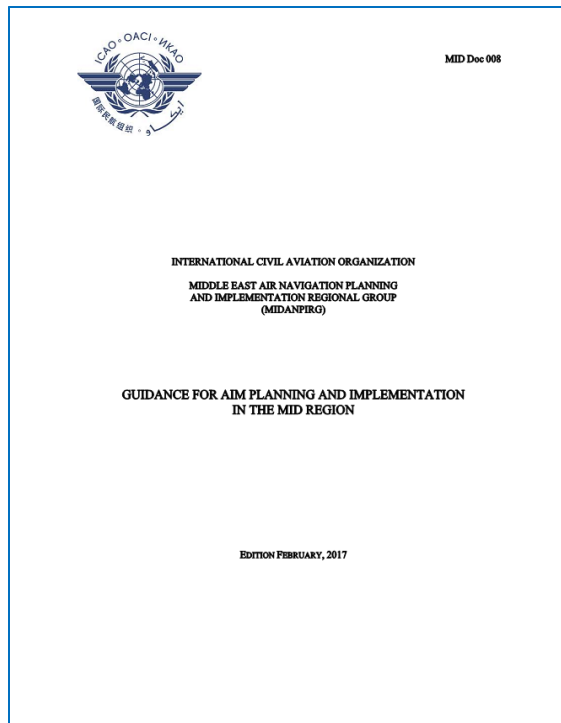


EGYPT National AIM Implementation Roadmap

ICAO MID Doc. 008



National AIM Roadmap



Phase/Step	Step No.	Timeline					Start	End	Remarks
		2014	2015	2016	2017	2018			
Phase I									
ATRAC adherence	P-03						2008	-	Already implemented
WGS-84 implementation	P-05						2008	-	Already implemented
QMS	P-17						2007	-	Already implemented
Phase II									
Data Quality Monitoring	P-01						2006	2018	SLAs are implemented with most data originators
Data Integrity Monitoring	P-02						2006	2018	The target is to be implemented by 2018
AIXM	P-06						2006	-	Already implemented
Unique identifiers	P-07						2006	-	Already implemented
Aeronautical information conceptual model	P-08						2006	-	Already implemented



EGYPT National AIM Implementation Roadmap



Phase/Step	Step No.	Timeline					Start	End	Remarks
		2014	2015	2016	2017	2018			
Phase I									
AIRAC adherence	P-03								
WGS-84 implementation	P-05								
QMS	P-17								
Phase II									
Data Quality Monitoring	P-01								
Data Integrity Monitoring	P-02								
AIXM	P-06								
Unique identifiers	P-07								
Aeronautical information conceptual model	P-08								
Phase III									
Agreement with data originators	P-18								2006 2018
Interoperability with meteorological products	P-19								2017 2020
Electronic aeronautical charts	P-20								2018 2020
Digital NOTAM	P-21								2017 2020



Status of Egypt B0-DATM Implementation



Status of Egypt B0-DATM Implementation

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	-	
AIXM (+version)	FI	-	<i>version 4.5 – upgrading to version 5.1 by 2018</i>
eAIP (IAID-based)	PI	To be completed by 2018	<i>eAIP is provided in digital format - CD since 2006</i>
NOTAM (IAID-based)	FC	-	
SNOWTAM (IAID-based)	FI	-	
PIB (IAID-based)	FC	-	
Procedure Design (interoperable with IAID)	NI	To be completed by 2018	
ATS (interoperable with IAID)	PI	-	



Status of Egypt B0-DATM Implementation

Aeronautical Data Quality			
Elements	Status	Action Plan	Remarks
Quality Management System (QMS)	FC	-	
Formal agreement with originators	PC	To be completed by 2018	
Digital data exchange with originators	PI	To be completed by 2018	
Metadata	FC	-	
Data quality monitoring	PC	To be completed by 2018	
Data integrity monitoring	PC	To be completed by 2018	
AIRAC adherence	FC	-	



Status of Egypt B0-DATM Implementation

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



Status of Egypt B0-DATM Implementation

electronic Terrain and Obstacle Datasets (eTOD)			
Elements	Status	Action Plan	Remarks
Area 1 Terrain	FC	-	
Area 1 Obstacles	NC	To be completed 2019	
Area 4 Terrain	FC	-	
Area 4 Obstacles	NC	To be completed 2019	
Area 2a Terrain	PC	To be completed 2020	HECA & HEBA Completed
Area 2a Obstacles	NC	To be completed 2020	
Area 2b Terrain	PI	To be completed 2020	HECA & HEBA Completed
Area 2b Obstacles	NI	To be completed 2020	
Area 2c Terrain	PI	To be completed 2020	HECA & HEBA Completed
Area 2c Obstacles	NI	To be completed 2020	
Area 2d Terrain	PI	To be completed 2020	HECA & HEBA Completed
Area 2d Obstacles	NI	To be completed 2020	
Area 3 Terrain	NI	To be completed 2019	
Area 3 Obstacles	NI	To be completed 2019	
AMDB	NI	To be completed 2020	



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	Egypt	Fully Implemented	-	Updated Version by Nov 2016
AIXM	Egypt	Fully Implemented	-	Current: version 4.5 upgrading to version 5.1 by 2018
eAIP	Egypt	Fully Implemented	Fully Implemented by Dec 2018	
QMS	Egypt	Fully Compliant	-	
WGS-84	ENR AD TMA GUND	Fully Compliant	-	
eTOD	Area 1 Terrain Area 1 Obstacle Area 4 Terrain Area 4 Obstacle	Fully Compliant Fully Compliant Fully Compliant Fully Compliant	Fully complaint by Dec 2019	



Challenges

B0-DATM

- eAIP (P-11): Software Provider insolvent issue.**
- P-19: Interoperability with different systems.**
- P-13, P-14: Funding issue.**
- Civil / Military Coordination.**
- Comprehensive training is required for operational personnel**



Lessons Learned

Working groups Development

The implementation of working groups for different subjects has proven to be very useful and effective.

Stakeholder Engagement

Implementation of ASBU blocks require close collaboration between all stakeholders.



Recommendations



- Early Stakeholder Involvement , especially regulator from the beginning of the project so this helps to facilitate the implementation of the transition plan.



Thank You !

