Third Meeting of the Aeronautical Information

Management Sub-Group (AIM SG/3)

Cairo, Egypt, 15-18 May 2017

EGYPT

ASBU B0-DATM

Implementation Status

Outline

❑ EGYPT National AIM Implementation Roadmap

❑ Status of B0-DATM Implementation

❑ Outlook 2020

❑ Status of AIM Deficiencies
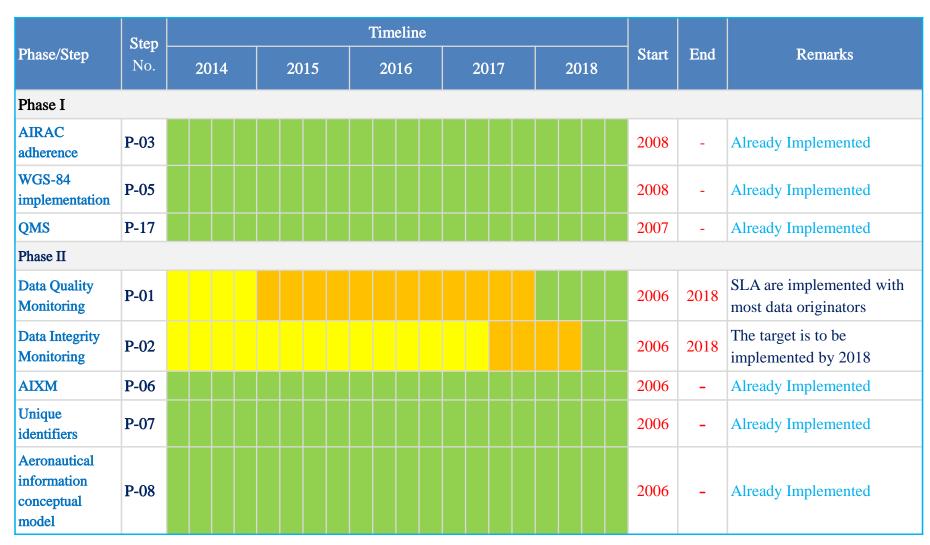
❑ Challenges

❑ Lessons Learned

❑ Recommendations

Egypt National AIM Implementation Roadmap
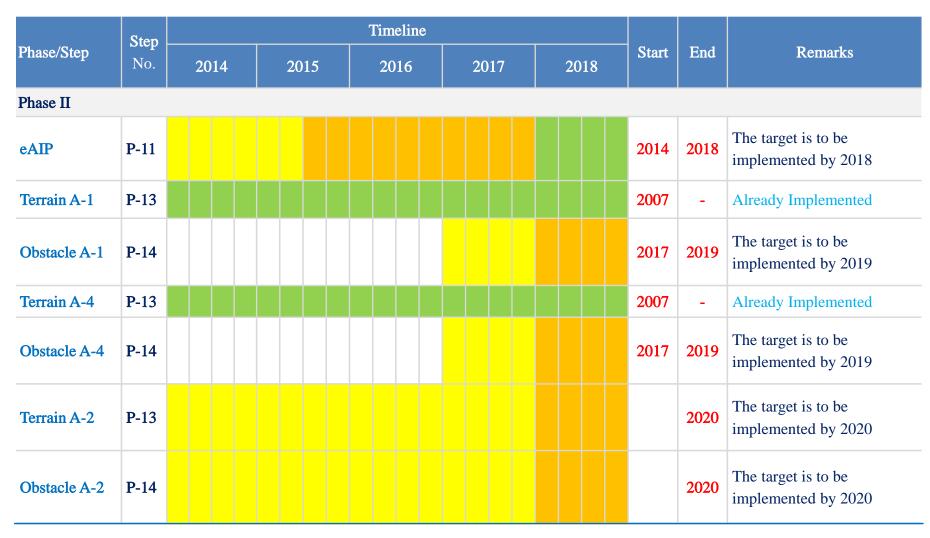
EGYPT National AIM Implementation Roadmap

Phase/Step	Step No.	Timeline 2014	2015	2016	2017	2018	Start	End	Remarks
Phase I									
AIRAC 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	SLA 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 II									
eAIP	P-11						2014	2018	The target is to be implemented by 2018
Terrain A-1	P-13						2007	-	Already Implemented
Obstacle A-1	P-14						2017	2019	The target is to be implemented by 2019
Terrain A-4	P-13						2007	-	Already Implemented
Obstacle A-4	P-14						2017	2019	The target is to be implemented by 2019
Terrain A-2	P-13							2020	The target is to be implemented by 2020
Obstacle A-2	P-14							2020	The target is to be implemented by 2020

EGYPT National AIM Implementation Roadmap

Phase/Step	Step No.	Timeline					Start	End	Remarks
		2014	2015	2016	2017	2018			
Phase II									
Terrain A-3	P-13					(yellow)	2018	2019	The target is to be implemented by 2019
Obstacle A-3	P-14					(yellow)	2018	2019	The target is to be implemented by 2019
AD Mapping	P-15					(yellow)	2019	2020	The target is to be implemented by 2020
Phase III									
Aeronautical data exchange	P-09					(yellow)	2018	2020	
Communication networks	P-10	(yellow/orange)	(orange)	(orange)	(orange)	(orange)	2005	2020	
Aeronautical information briefing	P-12	(yellow)	(yellow)	(yellow)	(yellow/orange)	(green)	2001	2018	
Training	P-16	(yellow)	(yellow)	(yellow)	(yellow/orange)	(orange)	2005	2020	

EGYPT National AIM Implementation Roadmap

Phase/Step	Step No.	Timeline					Start	End	Remarks
		2014	2015	2016	2017	2018			
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	-	*version 4.5 – upgrading to version 5.1 by 2018*
eAIP (IAID-based)	PI	To be completed by 2018	*eAIP is provided in digital format - CD since 2006*
NOTAM (IAID-based)	FC	-	
SNOWTAM (IAID-based)	NC	-	
PIB (IAID-based)	FC	-	
Charting (interoperable with IAID)	NC	To be completed by 2018	
Procedure Design (interoperable with IAID)	NI	To be completed by 2018	
ATS (interoperable with IAID)	FI	-	

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	

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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	

Status of AIM Deficiencies

AIM Deficiency	Status	Action Plan/Timelines	Remarks
Lack of the required Obstacle Datasets for eTOD Area 1 and Area 4	Not Completed	Completed by Dec, 2019	Tender for the new system was completed and we are in phase of signing the contract with the supplier

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

❑ Reconsider that some similar steps should be merged in one step e.g (AIXM, Unique identifier, AICM) as the state implement an automated system, all these steps are achieved.

❑ ICAO invited to arrange AIM training courses and seminars in order to keep the states in line with the new concepts and subjects in the AIM field.

Thank You !