

Abbas Niknejad

Regional Officer, AIM/ATM
ICAO Middle East Office, Cairo

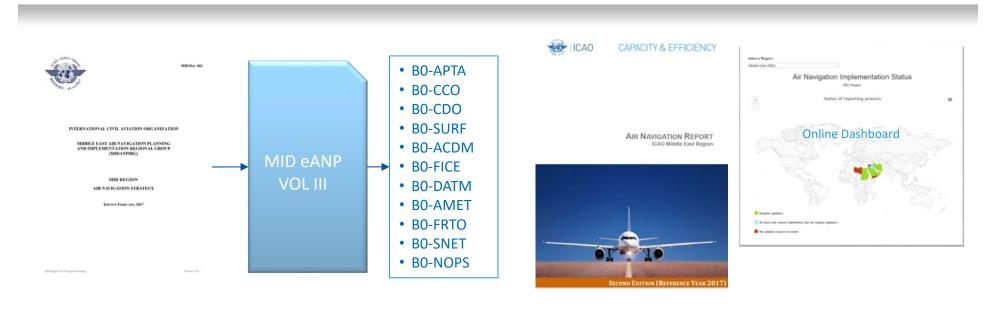
MIDAD TF/5 & AIM SG/3 (Cairo, Egypt, 13-15 February 2018)





CAPACITY & EFFICIENCY

ASBU Implementation Monitoring



Data collection, processing, storage and reporting activities are fundamental to the success of performance-based approaches.

Monitoring Bodies

Module Code	Monitoring		Remarks
	Main	Supporting	Remarks
BO-APTA	PBN SG	ATM SG, AIM SG, CNS SG	
B0-SURF	ANSIG	CNS SG	Coordination with RGS WG
B0-ACDM	ANSIG	CNS SG, AIM SG, ATM SG	Coordination with RGS WG
BO-FICE	CNS SG	AIM SG, ATM SG	
B0-DATM	AIM SG		
B0-AMET	MET SG		
B0-FRTO	ATM SG		
B0-NOPS	ATM SG		
B0-ACAS	CNS SG		
BO-SNET	ATM SG		
B0-CDO	PBN SG		
во-ссо	PBN SG		



MID AN Report - 2016

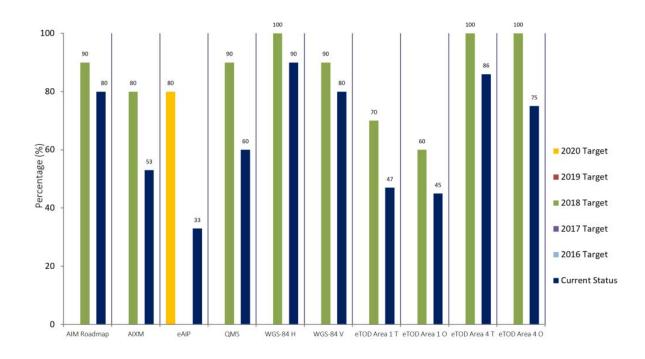
- Released/endorsed by MIDANPIRG/16 (Kuwait, 13-16 February 2017)
- Contents:
 - Section 1: Introduction
 - Section 2: Status of implementation of the priority 1 ASBU Block 0 Modules.
 - > Section 3: ASBU Block 0 implementation outlook for 2020
 - **Section 4:** Environmental protection (status of State's CO2 action plans and the operational improvements that had been/would be implemented in the MID Region).
 - Section 5: Success stories related to the implementation of ASBU Block 0 Modules.
 - **Section 6:** Conclusion
 - Appendix A provides detailed status of the implementation of Priority 1 Block 0 Modules and their associated Elements for the MID States.
 - Appendix B illustrates the detailed status of implementation of ASBU Block 0 Modules in the MID States by 2020.







B0-DATM Status of implementation in the MID Region

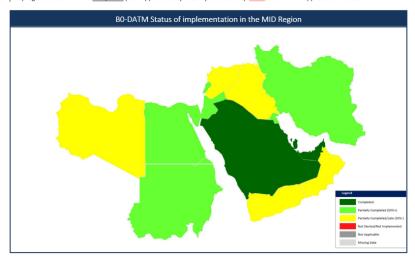




B0-DATM



The progress for B0-DATM is acceptable (with approximately 64% implementation). eTQD Area 4 is not applicable in 6 States.





ICAO CAPACITY & EFFICIENCY Detailed Status of Block 0 Modules

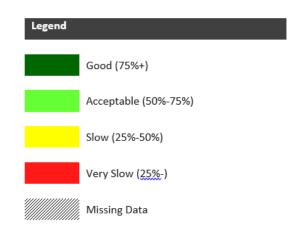




Outlook for 2020

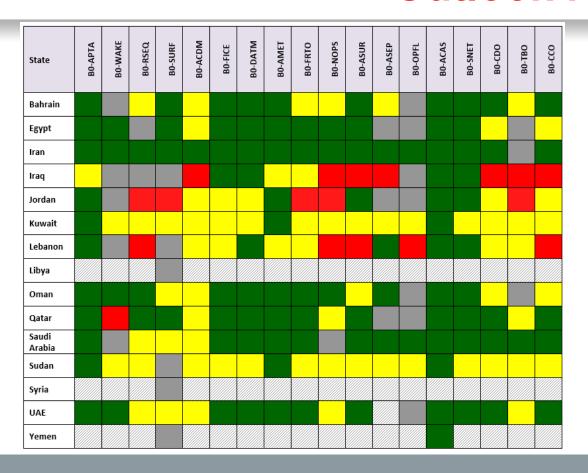
Module	Current Status of implementation (approximate rate)	Projected Status of implementation by 2020* (approximate rate)
BO-APTA	33%	96%
BO-WAKE	(Priority 2)	71%
B0-RSEQ	(Priority 2)	55%
B0-SURF	46%	67%
B0-ACDM	0%	50%
BO-FICE	55%	83%
B0-DATM	61%	87%
BO-AMET	70%	92%
B0-FRTO	14%	71%
B0-NOPS	(Priority 2)	46%
B0-ASUR	(Priority 2)	70%
BO-ASEP	(Priority 2)	69%
B0-OPFL	(Priority 2)	60%
B0-ACAS	73%	100%
BO-SNET	(Priority 2)	92%
B0-CDO	10%	67%
во-тво	(Priority 2)	44%
во-ссо	19%	63%

Note – projected status for 2020 is calculated based on information received from 12 States (out of 15).





Outlook for 2020





Environmental Protection

Implemented Operational Improvements

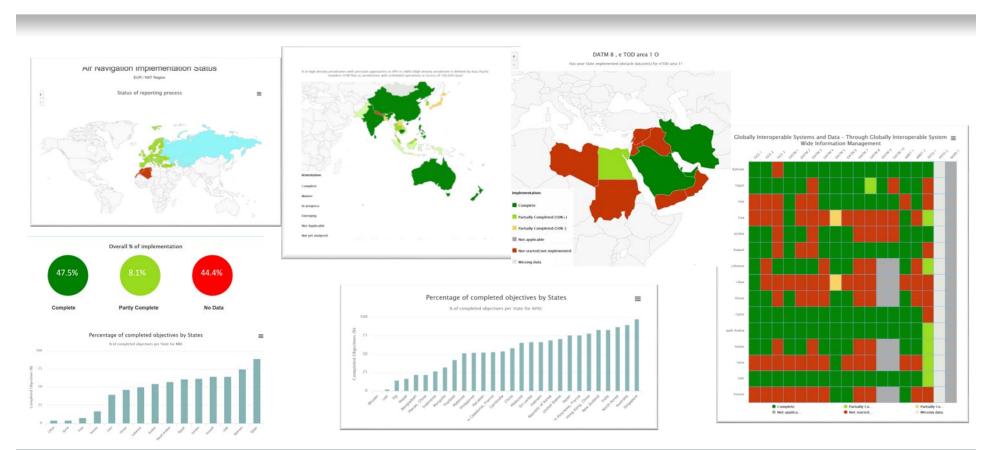
- Vast improvements in the regional ATS route network and the implementation of RNAV routes through close cooperation between neighboring States (Bahrain, Egypt, Iran, Iraq, Jordan, Libya and UAE)
- Establishment of new PBN SIDs and STARs (Bahrain, Egypt, Iran, Jordan, Kuwait, Lebanon, Oman, Qatar, Saudi Arabia and UAE)
- CCO/CDO implementation (Bahrain and Qatar)
- · Implementation of LNAV/VNAV (Egypt, Iran, Jordan, Kuwait, Oman, Qatar, Jordan and UAE)
- Implementation of A-SMGCS (Bahrain, Egypt, Qatar and UAE)
- · FUA implementation (Bahrain and Jordan)
- Implementation of Arrival Manager (AMAN) (Bahrain and UAE)
- Implementation of Departure Flow Manager (DFLOW) Web Interface (UAE)
- Improvement of airside structure including enhancing aprons, taxiways (rapid exit taxiways, etc.)
 (Bahrain)
- Implementation of Single-engine taxi operation (Bahrain, Qatar, UAE)
- Improving situational awareness using modernized aeronautical and MET information management systems (Bahrain, Qatar, Saudi Arabia and UAE)
- · Modernization of CNS/ATM infrastructure and equipment (Oman, Qatar, Saudi Arabia, UAE)

Planned Operational Improvements

- · Further improvements of the regional ATS route network and the implementation of RNAV1 routes
- Establishment of new PBN SIDs and STARs
- CCO/CDO implementation
- Implementation of LNAV/VNAV
- Implementation of A-SMGCS (Iran and Saudi Arabia)
- FUA implementation (Egypt, Iran, Jordan, Saudi Arabia, Sudan and UAE)
- Implementation of RNP AR approach (UAE)
- Further Modernization of CNS/ATM infrastructure and equipment (Iran, Kuwait, Saudi Arabia, Sudan)



CAPACITY & EFFICIENCY Harmonized monitoring & reporting





Conclusions on MID AN Report 2016

- Some States are still facing difficulties to develop a National ASBU Implementation Plan based on the GANP and regional strategy
- ICAO could support (National ASBU Implementation Workshop)
- Planning for ASBU Block 1 would start soon
- The progress for the implementation of some priority 1 Block 0 Modules in the MID Region has been acceptable/good; such as B0-ACAS, B0-AMET and B0-DATM. Nevertheless, some States are still facing challenges to implement the majority of the Block 0 Modules.
- The status of implementation of the ASBU Block 0 Modules also shows that Bahrain, Egypt, Jordan, Kuwait, Qatar, Saudi Arabia and UAE made a good progress in the implementation of the priority 1 ASBU Block 0 Modules
- Looking into the States' plans for 2020 (outlook), the focus/priority of States is to complete the implementation of B0-APTA, B0-FICE, B0-DATM, B0-AMET, B0-CCO and B0-CDO.



MID AN Report-2017

 MIDANPIRG Conclusion 16/8: MID Region Air Navigation Report-2017



- a) develop/update their National ASBU Implementation Plan, ensuring the alignment with and support to the MID Region Air Navigation Strategy (MID Doc 002); and
- b) provide the ICAO MID Office, with relevant data necessary for the development of the MID Region Air Navigation Report-2017, by 1 November 2017.



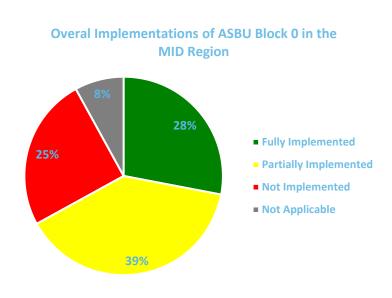
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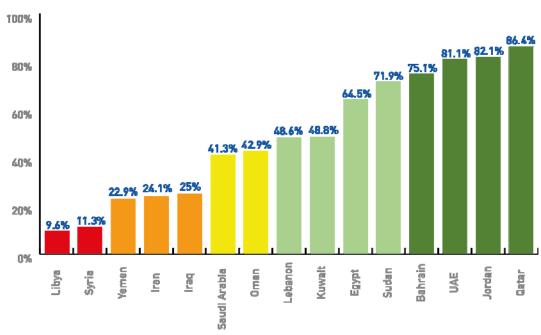
AIR NAVIGATION REPORT
ICAO Middle East Region





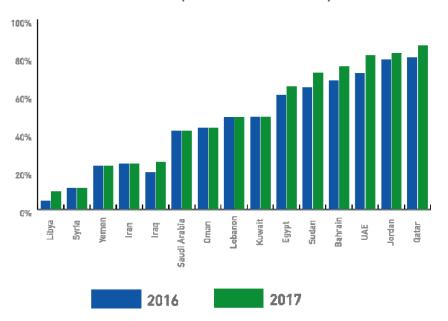
Overall status 2017



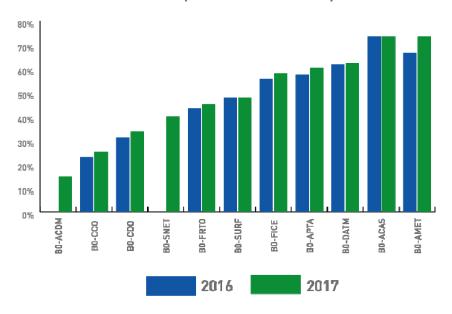




ASBU Block 0 Implementation - By States



ASBU Block 0 Implementation - By Modules



Action by the meeting

- note the information provided in this presentation; and
- review and update, as necessary, the MID Region Air Navigation Report-2017.



