

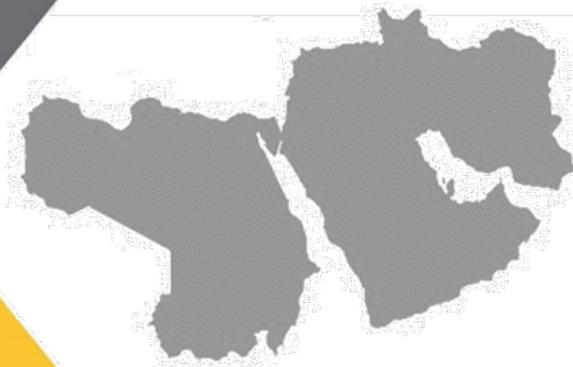


**MIDANPIRG/18**



**RASG-MID/8**

**VIRTUAL MEETINGS**



**15-22 February 2021**

# **MIDANPIRG/18 and RASG-MID/8 Virtual Meetings**

**(15 - 22 February 2020)**



**ICAOMID**



# MIDANPIRG/18, Agenda item 5.2.6: Specific Air Navigation issues

**AIM matters**

*Presented by the secretariat*

# Digital Datasets implementation planning

- The AIM SG/6 meeting reviewed the outcomes/deliverables of the Digital Datasets Implementation Ad-hoc Working Group (DDI Ad-hoc WG).
- The meeting noted that there is a need for a detailed implementation plan for digital datasets outlining technical steps of the implementation, in line with the Global developments.
- The meeting agreed that the composition of the DDI Ad-hoc WG should be reviewed to ensure active participation and contribution by all WG members.

# Digital Datasets implementation planning

- The MSG/7 meeting agreed to the following Decision (MSG DECISION 7/9:) to replace and supersede MIDANPIRG Decision 17/17:

*That, the Digital Datasets Ad-hoc Working Group (DDI Ad-hoc WG):*

*a) is tasked to develop a detailed Regional Implementation Plan for Digital Datasets and update MID Doc 008, to be presented to AIM SG/7; and*

*b) be composed of: Abdulla Hasan AlQadhi (Bahrain), Moataz Abdel Aziz Ahmed (Egypt), Rouhalah Salehi (Iran), Mohammad Hussien Al Anezi (Kuwait), Bassem Ali Nasser (Lebanon), Faisal Al Busaidi (Oman), Pamela Erice (Qatar), Hind A. Almohaimed (Saudi Arabia), Sorin Dan. Onitiu (UAE, Rapporteur) ; and ICAO MID Office .*

- The Rapporteur (Sorin Dan. Onitiu) left GCAA UAE.
- UAE new members of the Working Group (DDI AD-HOC WG) MS. Maram Khaled and Mr. Syed Samiullah

## MIDAD Project

- The MIDANPIRG/17 meeting agreed that the development of a detailed action plan for the implementation of the MIDAD Project Phase B (set-up of MIDAD Manager) should be initiated when at least 7 States complete their migration to EAD.
- The meeting AIM SG/6 noted the concerns related to the costs of migration to the EAD and in particular the charging mechanism. It was agreed that the ICAO MID Office with the support of the MIDAD TF Chairperson should initiate discussion with EAD to review and reconsider the charging mechanism in order to add a lower/upper limit for charging States that are willing to migrate to EAD.

# MIDAD Project

Why	To facilitate migration to EAD
What	To initiate coordination with EUROCONTROL in order to reconsider charging mechanism
Who	MIDAD TF chairman and ICAO MID
When	March 2021

## MIDAD Project

- The AIM SG/6 proposed the following Draft Conclusion to be endorsed by MIDANPIRG/18:

### ***DRAFT MIDANPIRG CONCLUSION 18/XX: EAD CHARGING MECHANISM***

*That, the ICAO MID Office, with the support of the MIDAD TF Chairperson, initiate discussions with EUROCONTROL/EAD, in order to reconsider the charging mechanism to add a lower/upper limit for charging States that are willing to migrate to EAD.*

# MID Region AIM Roadmap

- The AIM SG/6 meeting reviewed and updated the MID Region AIM Implementation Roadmap, as at **Appendix A**.
  
- Considering the major changes of the MID Region AIM Implementation Roadmap, it was agreed that States should review and update their National AIM Implementation Roadmap, using the template at **Appendix B**.

# MID Region AIM Roadmap

Why	To foster the transition from AIS to AIM
What	To review and update the National AIM Implementation Roadmap using a standard template
Who	Member States
When	March 2021

## MID Region AIM Roadmap

The AIM SG/6 proposed the following Draft Conclusion to be endorsed by MIDNAPIRG/18:

***DRAFT MIDANPIRG CONCLUSION 18/XX: MID REGION AIM IMPLEMENTATION ROADMAP***

*That,*

- a) the MID Region AIM Implementation Roadmap be updated, as at **Appendix A**; and*
- b) States be urged to provide the ICAO MID Office with their updated National AIM Implementation Roadmap, using the template at **Appendix B**.*

## AIR NAVIGATION DEFICIENCY RELATED TO NONIMPLEMENTATION OF TOD AREA 2A

- The MSG/7 meeting recalled that the provision of Terrain and Obstacle Data (TOD) for area 2a, the take-off flight path area and the area bounded by the lateral extent of the aerodrome obstacle limitation surfaces (OLS) at International Aerodromes, has been a standard in Annex 15 (“Shall” provision) since 12 November 2015.
- The MSG/7 meeting agreed to add deficiencies related to the non-implementation of this provision.

## AIR NAVIGATION DEFICIENCY RELATED TO NONIMPLEMENTATION OF TOD AREA 2A

Why	To spur Member States to provide Terrain and Obstacle Data (TOD) for area 2a, the take-off flight path area and the area bounded by the lateral extent of the aerodrome obstacle limitation surfaces (OLS) at International Aerodromes
What	To add deficiencies related to the non provision of Terrain and Obstacle Data (TOD) for area 2a, the take-off flight path
Who	ICAO MID
When	March 2021

## AIR NAVIGATION DEFICIENCY RELATED TO NONIMPLEMENTATION OF TOD AREA 2A

- The MSG/7 meeting proposed the following Draft MIDANPIRG Conclusion 18/XX:

### ***DRAFT MIDANPIRG CONCLUSION 18/XX:***

### ***AIR NAVIGATION DEFICIENCY RELATED TO NON-IMPLEMENTATION OF TOD AREA 2A/TOFP AND OLS***

*That, States that have not yet provided Terrain and Obstacle Data (TOD) for area 2a, the take-off flight path area and the area bounded by the lateral extent of the aerodrome obstacle limitation surfaces (OLS) at International Aerodromes, be included in the List of Air Navigation Deficiencies.*

# AIM Training and awareness-raising

- The AIM SG/7 expressed the need to further enhance awareness and promote a proper understanding on NOTAM and QMS Functions Systems, agreed that the secretariat consider organizing specific training webinars on the NOTAM System Improvements and AIM/QMS Functions Systems and Processes.

Why	to raise awareness and promote a proper understanding on NOTAM and QMS Functions Systems.
What	To conduct a webinars on NOTAM System Improvements and AIM/QMS Functions Systems and Processes
Who	ICAO MID
When	2021

## AIM Training and awareness-raising

- The AIM SG/7 proposed the following Draft Conclusion to be endorsed by MIDANPIRG/18:

### ***DRAFT MIDANPIRG CONCLUSION 18/XX: AIM WEBINARS***

*That, Webinars on the NOTAM proliferation and needs for improvement, as well as on the AIM/QMS Functions Systems and Processes be organized in 2021.*

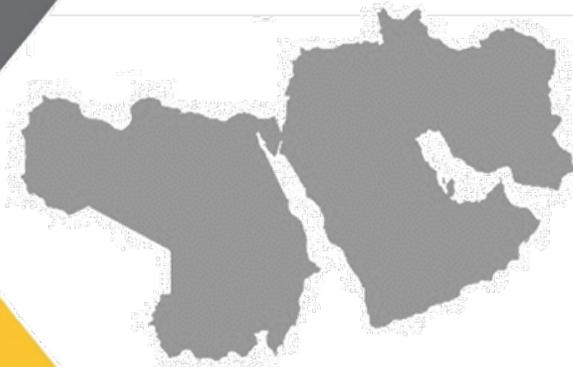


**MIDANPIRG/18**



**RASG-MID/8**

**VIRTUAL MEETINGS**



**15-22 February 2021**

# **NOTAM – a quality problem is becoming a safety concern**

**Dr. Alexander G Pufahl**

*Technical Officer, Information Management*

*apufahl@icao.int*



**ICAOMID**

# NOTAM – some numbers

- More than 1.7 mio NOTAM worldwide in 2020
- Every day, about 37,000 NOTAM active
- Every year since 2010, average annual increase of 100,000 NOTAM
- In 2020, first decrease in NOTAM in more than 10 years (-5%)
- North America promulgates about 50% of NOTAM worldwide
- 20% of NOTAM worldwide are old NOTAM (> 3 months)
- 10% of NOTAM worldwide are older than 1 year

# NOTAM – a safety concern

- IFALPA plea to AIS community to help improve quality of NOTAM
- Plea to adhere to international standards and recommended practices
- NOTAM are increasingly becoming a serious safety concern
- Pilots have limited time to review NOTAM during briefing
- Pilots rely on NOTAM for operationally significant information
- One quality problem is out-of-date NOTAM

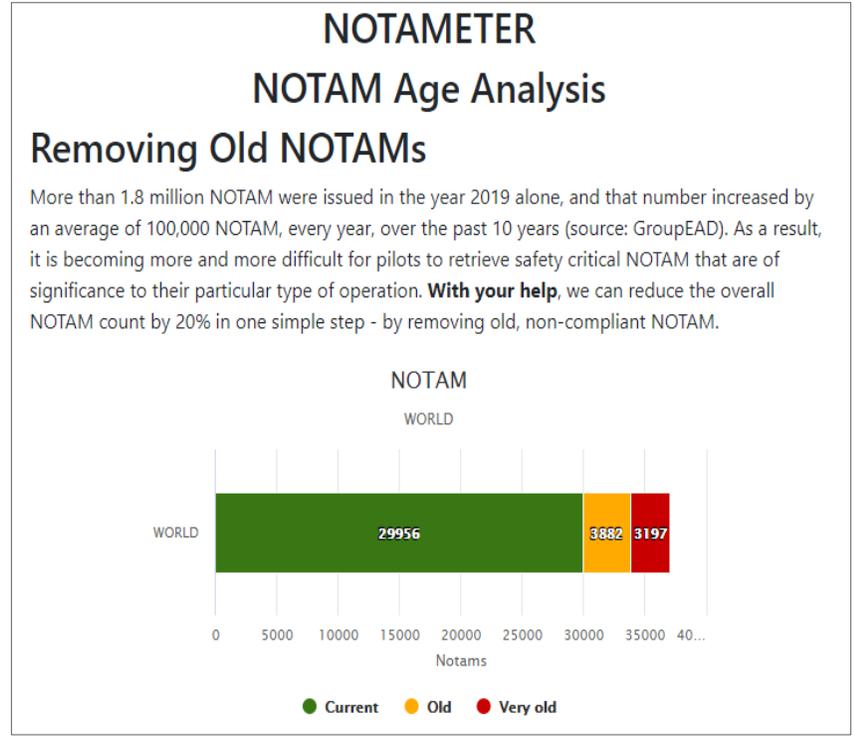


# WG-A Focus Group NOTAM

- IMP/WG-A reviewed AIS Manual (Doc 8126)
- Revised NOTAM chapter in Doc 8126, Volume III
- Focus group NOTAM conducted a global NOTAM questionnaire
- Developing a concept of operations for NOTAM replacement system
- Planned applicability is 2028
- New system cannot solve SARP non-compliance or quality problem

# Global campaign on old NOTAM

- Global kick-off webinar on 8 April 2021
- Bi-monthly progress meetings until Dec 2021
- Further details to be announced soon
- Goal is to remove old NOTAM
- NOTAMeter – a web-based analysis tool
  - Old NOTAM: > 3 months but < 1 year
  - Very old NOTAM: > 1 year



# NOTAMeter

Select a region, or click **WORLD** for all:

- WORLD
- APAC
- ESAF
- EUR/NAT
- MID**
- NACC
- SAM
- WACAF

- Demonstration of prototype...

Total NOTAM

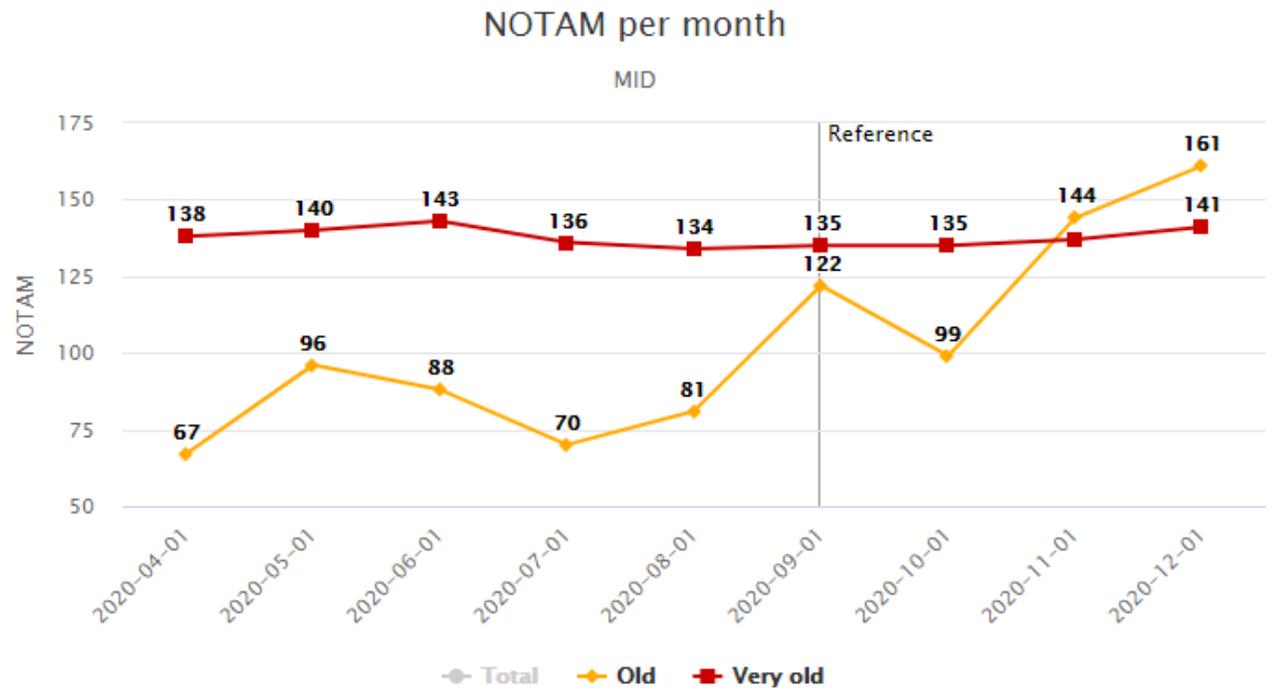
1188

Old NOTAM

161 (13.6%)

Very Old NOTAM

141 (11.9%)



## ACTION BY THE MEETING

The meeting is invited to:

- agree on the new composition and the rapporteur of the Digital Datasets Ad-hoc Working Group (DDI Ad-hoc WG);
- endorse All Draft Conclusions in slides 7,10, 13 and 15;
- urge States to:
  - a) take immediate action to reduce the large number of old NOTAM (> 3 months); and
  - b) actively participate in the ICAO global campaign's kick-off and progress webinars aimed at raising awareness to improve quality of NOTAM;
- invite ICAO MID office and AIM SG to engage with States AISP to assist hem in taking appropriate actions for a significant reduction of old NOTAM (e.g. EST, PERM, NOTAMR,etc.).







Steps/Elements	2019 & before	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Light Green: Timeframe for implementation (implemented / ongoing)		Priority	Remarks
												2030	2031+		
Electronic Aeronautical Charts														2	
Interoperability with MET														2	
Aeronautical Information Briefing														2	(Digital briefing)

-----

DRAFT



