



# ICAO MID Webinar on NOTAM Improvement

*(COVID-19 and old NOTAM)*

*(01 June 2021 from 08:00 to 10:00 UTC)*

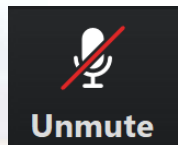


## Welcome & Introduction

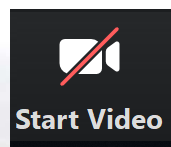




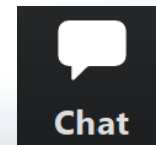
## Meeting Notes



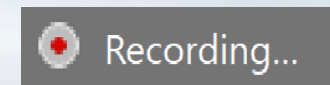
Keep Mic muted



Switch off camera



use chat box if you wish address question or comment



Webinar is recorded



## Background

- Launch of the Global Campaign
- Four progress webinars are scheduled on 16 Jun, 31 Aug, 28 Oct, 15 Dec
- Register at: [www.icao.int/NOTAM2021](http://www.icao.int/NOTAM2021)
- The MIDANPIRG/18, through conclusion 18/21, requested 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.
- Global Campaign is supplemented by a series of regional webinars during 2021
- State Letter issued on 9 May ( File Ref : AN 8/2.1 – 21/068)
- The overall schedule for regional webinars is:
  - 1 June 2021
  - 16 August 2021
  - 14 October 2021
- States are invited to:
  - review individual status of the old NOTAM using the NOTAMeter and/or national NOTAM systems;
  - review all the current old/very old NOTAM and take remedial action (replace, cancel, publication of the information in AIP or AIP Supplements, etc);
  - share plans, actions taken, experiences and challenges during the regional webinars.



## Work Programme

Time (UTC)	Activity	Speaker
0800-0810	Welcome and introduction	Secretariat
0810-0840	COVID 19 - RPTF : <ul style="list-style-type: none"><li>➤ Regional developments and updates</li><li>➤ COVID publication Analysis</li></ul>	<ul style="list-style-type: none"><li>➤ Mr. Walid El Hoss (AAO)</li><li>➤ Ms. Lindi-Lee Kirkman (IATA)</li></ul>
0840-0920	Regional activities on NOTAM Improvement : <ul style="list-style-type: none"><li>➤ NOTAMeter and Regional Statistics</li><li>➤ Regional KPIs</li><li>➤ Implementation Support</li></ul>	<ul style="list-style-type: none"><li>➤ Mr. Radhouan Aissaoui (ICAO MID)</li><li>➤ Mr. Dean Anthony Fernandes (GCAA UAE)</li></ul>
0920-0945	MID States action plans, experiences and challenges	MID States
0945-0955	The way forward	Secretariat
0955-1000	Any Other Business and closing	Secretariat



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**NOTAM2021**



# Global & Regional Updates



## CART Phase III updates



**PHASE III  
HIGH-LEVEL  
COVER  
DOCUMENT**



**3<sup>rd</sup> Edition**



**Doc 10152  
2<sup>nd</sup> Edition**





## Phase III modified 2 existing recommendations and introduced 6 additional ones

### Recommendation 12 (Revised) Aviation Safety

- Current CCRD System will be out of service by end of June, and a new TE system started on April 1

### Recommendation 14 (Revised) Public Health Corridors

- PHC-specific tools published on the ICAO website and the App providing a template PHC arrangement between States.

### Recommendation 15 Safe Transport of Air Cargo

- Technical Instructions for the Safe Transport of Dangerous Goods by Air (Doc 9284)

### Recommendation 16 Facilitating air cargo movement

- consider the temporary lifting of restrictions to air cargo operations

### Recommendation 17 Testing Certificates

- implement testing certificates based on the protocol, minimum dataset and implementation approaches based on Doc 10152

### Recommendation 18 & 19 Vaccination

- Facilitate air crew vaccination
- Vaccination should not be a prerequisite for international travel

### Recommendation 20 Communication

- Ensure that ICAO's CART guidance is taken into consideration by the wider State administration in the decision-making processes on national recovery planning



## Regional Developments:

### COVID-19 RESPONSE AND RECOVERY IMPLEMENTATION CENTER

- About the CRRIC
- Gap Analysis
- Public Health Risk Mitigation Measures
- Public Health Corridors
- State Testing and Quarantine Protocols
- State Risk Levels
- Dashboards
- Implementation Status
- Key Levels and Stage
- CRRIC Activity
- State-level CRRIC Progress
- Workshops and Webinars
- Examples of Implementation
- List of Focal Points
- Documentation and Support
- Implementation Roadmap
- Related ICAO Public Portals



Welcome to the COVID-19 Response and Recovery Center or in short: The Implementation Center. Use the left navigation bar to navigate to the various apps in the center. Learn more about the center from the about page or check out the news below.

#### News

You have **subscribed** to the weekly newsletter.

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#### New Public Health Corridors Arrangement Log

34 days ago

Please review the newly launched log that provides a list of Public Health Corridor arrangements that have been established.

## CRRIC:

- GAP Analysis Tool
- Database of Public Health Risk Mitigation Measures
- CART Dashboard
- List of focal points
- Online Road Map
- Key Level and Stages
- Testing and Quarantine Protocols



## Regional Developments (Cont'd):

### MID RPTF Framework

A platform for coordination and cooperation amongst all stakeholders to support States for the recovery plan of the aviation industry. To accommodate the needs of the current phase the group updated their TORs.





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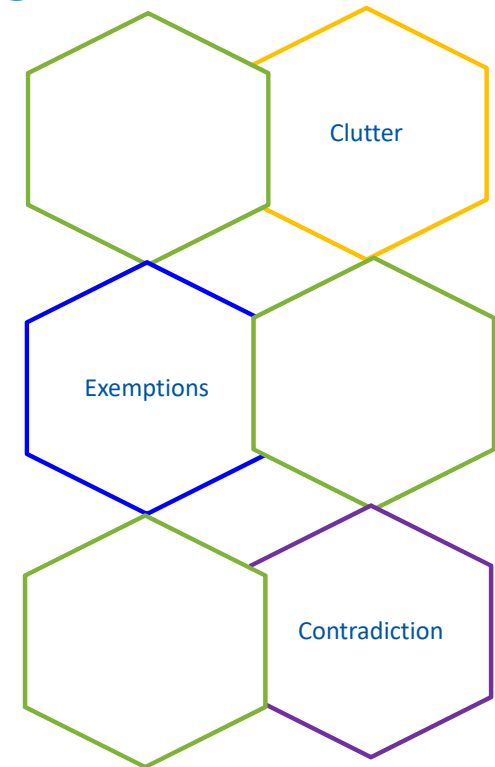
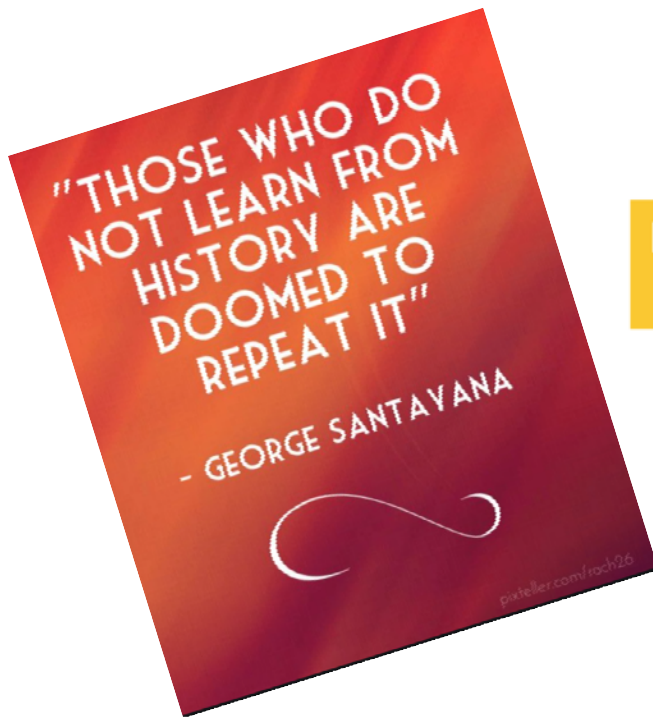
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# COVID-19 NOTAM Analysis





## COVID-19 NOTAM Analysis

Quality  
In  
Quality  
Out

- Single Subject
- Well articulated / clear
- Details
  - Crew exemption / restrictions
  - Availability of AD for
    - FPL alternate
    - EDTO
  - PCR test / quarantine
- Extended text
  - AIP SUP / AIC
- Predictability
- Accessibility
- ICAO SARPs
- NOTAM Templates





# Actions

- States (Aeronautical Information (AI) Service providers together with Regulators should review and correct COVID NOTAM and publications
- States should engage and educate originators of the AI publication requirements
- The AI “go-team” will hold AIM Technical Panels with specific States
- The templates and guidance document should be reviewed by the RPTF AIM task members



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**NOTAM2021**

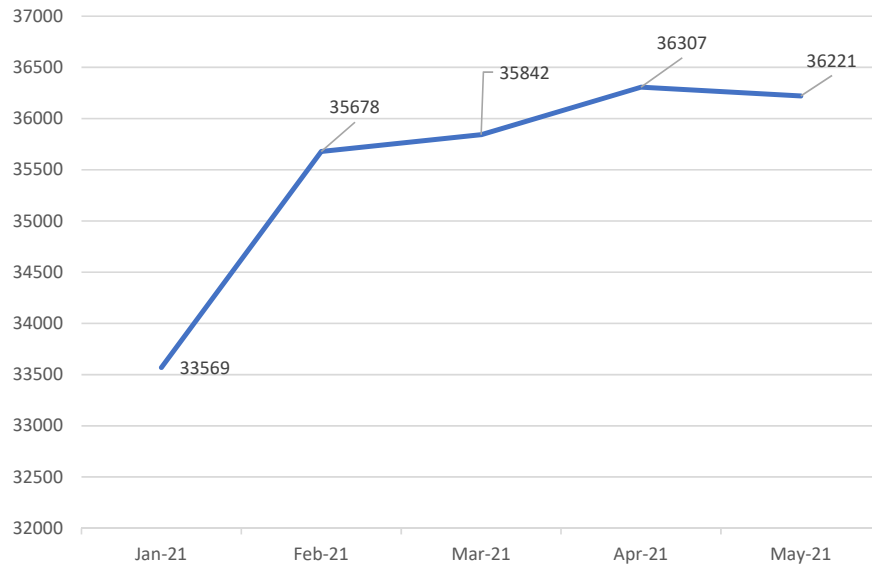
A laptop computer is shown from a front-facing perspective, centered in the lower half of the image. The screen is white and displays the following text in blue: 'NOTAMeter', 'Global and Regional', and 'statistics'.

**NOTAMeter**  
**Global and Regional**  
**statistics**

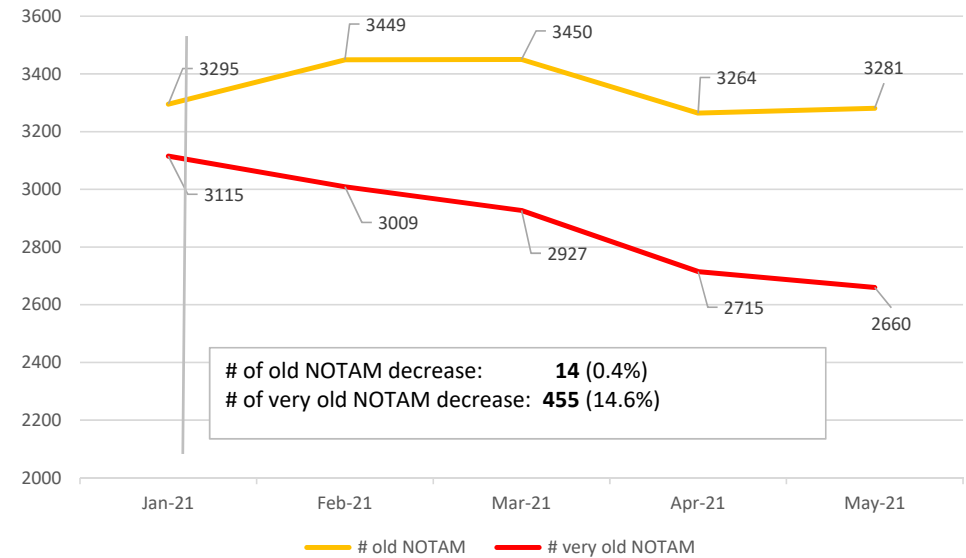


## Status as of May 2021

Total # of NOTAM - World



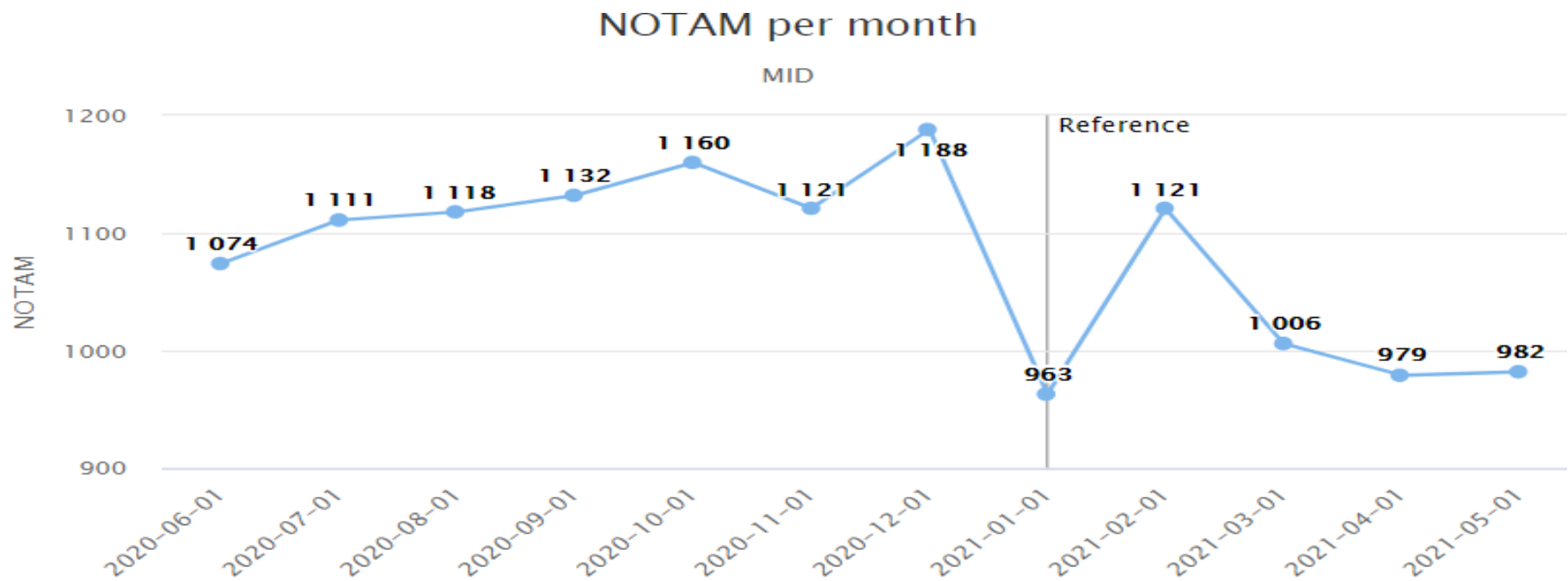
NOTAM2021 Campaign - World



Since Jan 2021: **increase** of **2652** total NOTAM; **decrease** of **469** old and very old NOTAM



### Trend Analysis in MID Region

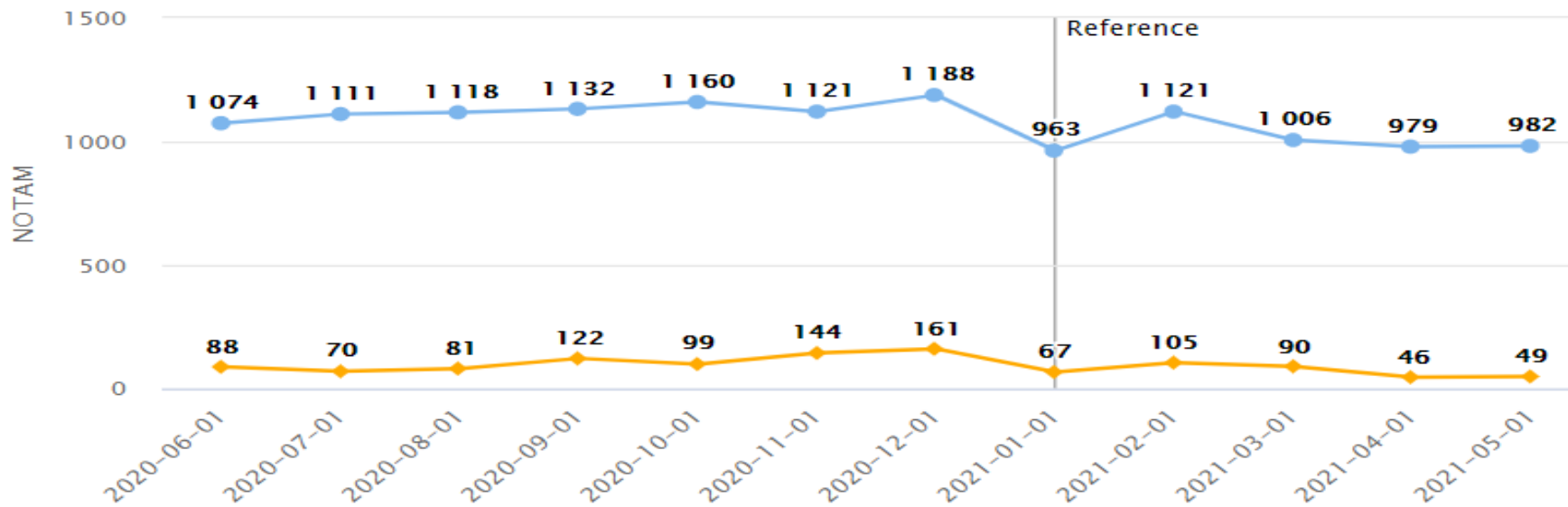




## Trend Analysis in MID Region

NOTAM per month

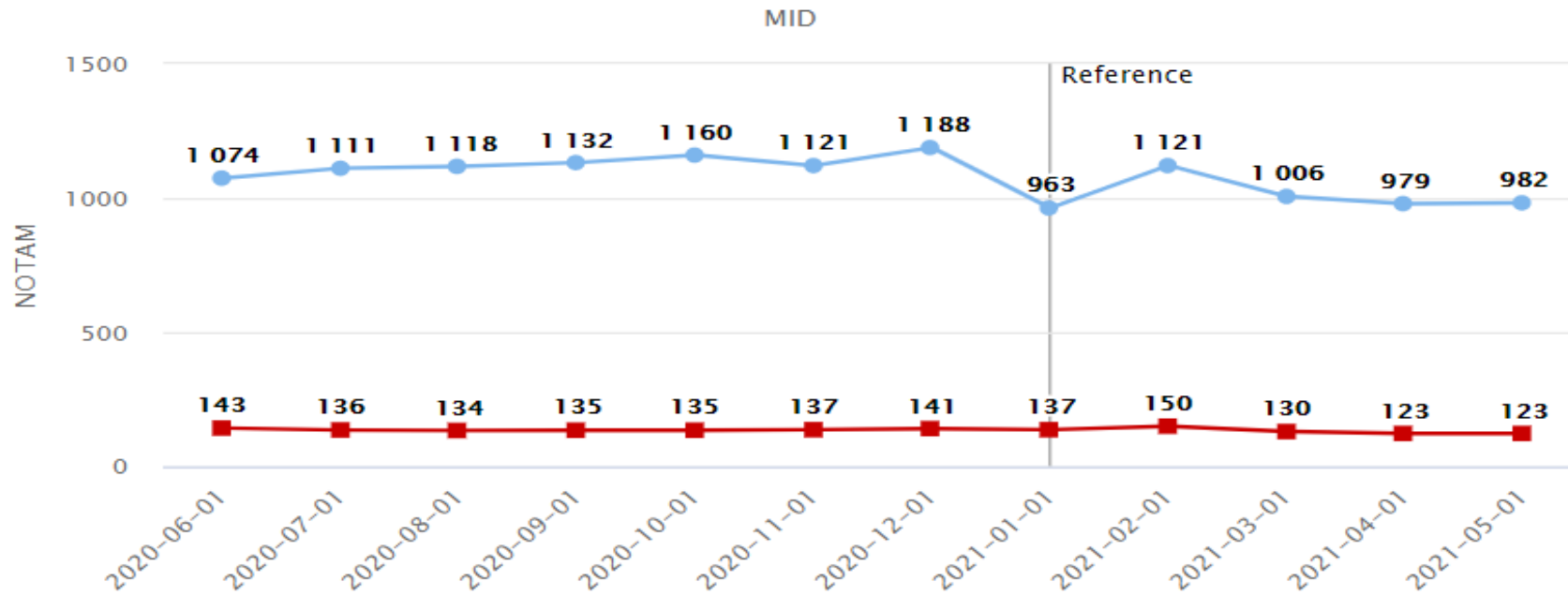
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## Trend Analysis in MID Region

### NOTAM per month





## Top Ten NOTAM-producing States (May 2021)

No.	State	Total NOTAM	Number of old NOTAM	Number of very old NOTAM	Percent of old and very old NOTAM
1	Islamic Republic of Iran	314	29	59	28
2	Qatar	103	0	0	0
3	Saudi Arabia	100	2	2	4
4	Bahrain	89	0	3	3.4
5	Kuwait	88	2	9	12.5
6	UAE	82	0	0	0
7	Egypt	44	4	0	9.1
8	Syrian Arab Republic	42	0	17	40.5
9	Jordan	25	3	0	12
10	Iraq	25	0	0	0



## Top Ten highest percentage (May 2021)

No.	State	Total NOTAM	Number of old NOTAM	Number of very old NOTAM	Percent of old and very old NOTAM
1	Libya	19	0	19	100
2	Yemen	16	2	14	100
3	Syrian Arab Republic	42	0	17	40.5
4	Oman	22	7	0	31.8
5	Islamic Republic of Iran	314	29	59	28
6	Kuwait	89	2	9	12.5
7	Jordan	25	3	0	12
8	Egypt	44	4	0	9.1
9	Saudi Arabia	100	2	2	4
10	Bahrain	89	0	3	3.4



### States with Zero old/very old NOTAM (May 2021)

No.	State	Total NOTAM	Number of old NOTAM	Number of old and very old NOTAM
1	Qatar	103	0	0
2	United Arab Emirates	82	0	0
3	Iraq	25	0	0
4	Lebanon	7	0	0
5	Sudan	6	0	0





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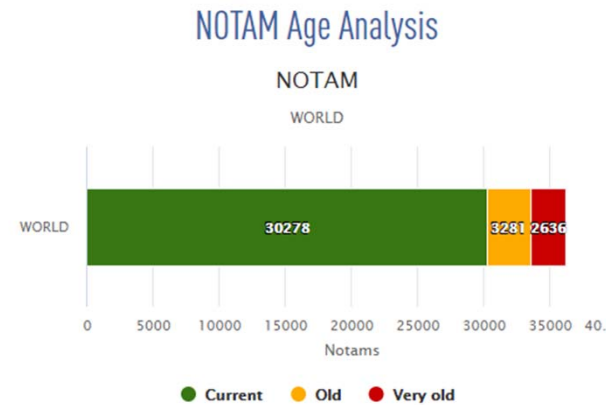
**NOTAMeter**  
**Live demo**



## Regional activities on NOTAM Improvement : Regional KPIs

ICAO has embarked on improving the NOTAM system to increase efficiency of aeronautical information.

One major tool to support this is the ICAO NOTAMeter that can be used as the data source for states to measure, monitor and reduce long term NOTAM.



For additional improvements ICAO MID AIM Forum is proposing 2 new KPIs to enable states to measure, monitor and reduce PERM international NOTAM.

<b>KPI #1</b>	REDUCTION OF EXISTING PERMANENT INTERNATIONAL NOTAM
<b>KPI #2</b>	INCLUDE PERM INTERNATIONAL NOTAM CONTENT INTO IAIP



### PERM NOTAM KPI #1

<b>KPI Name</b>	<b>REDUCTION OF EXISTING PERMANENT INTERNATIONAL NOTAM</b>	<b>KPI #1</b>
<b>Description</b>	Reduce the number of PERM international NOTAM, published prior to 01 JAN 2021 by 30% by 30 JUN 2021	
<b>Objective</b>	To ensure that PERM (static) aeronautical information is published in the correct part of the IAIP and reduce NOTAM proliferation	
<b>Type</b>	<input checked="" type="checkbox"/> Quantitative <input type="checkbox"/> Qualitative	
<b>Effort</b>	<input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High	
<b>Unit</b>	<ul style="list-style-type: none"> <li>• Baseline number: Count PERM international NOTAM with issue date before 01 JAN 2021</li> <li>• Target Number: Count number of those still valid on 30 JUN 2021</li> <li>• Target – 30% less than the baseline number</li> </ul>	
<b>Assessment Method</b>	Baseline number minus (-) Target Number divide (÷) by Baseline number x 100	
<b>Analysis Frequency</b>	<input type="checkbox"/> Day <input type="checkbox"/> Week <input type="checkbox"/> Month <input checked="" type="checkbox"/> Quarter <input type="checkbox"/> Year	



### PERM NOTAM KPI #1

KPI Name	REDUCTION OF EXISTING PERMANENT INTERNATIONAL NOTAM (continued)	KPI #1
Comments	<p>List and count all PERM international NOTAM that were valid on 01 JAN 2021 to establish the base line for each State NOTAM Office.</p> <p>Proposed evaluation sheet can be used to record and monitor the progress.</p> <p>Every quarter check the number of those NOTAM still valid and update the count.</p> <p>Report the analysis to ICAO MID AIM Forum. The progress will be discussed.</p>	



## PERM NOTAM KPI #1

Evaluation example of monitoring the quarterly progress of KPI #1

Baseline Date	No. of PERM international NOTAM	Target Date	Reduction Target
01-Jan-2021	15	30 JUN 2021	30%
Evaluation Date	No. of baseline NOTAM still valid	Reduction	
30-Jun-2021	13	13%	
30-Sep-2021	12	20%	
31-Dec-2021	10	33%	



## PERM NOTAM KPI #2

<b>KPI Name</b>	<b>INCLUDE PERM INTERNATIONAL NOTAM CONTENT INTO IAIP</b>	<b>KPI #2</b>
<b>Description</b>	New PERM international NOTAM published since 01 JAN 2021 to be taken up (published) in the applicable part of the IAIP within <b>6</b> AIRAC cycles and/or cancelled	
<b>Objective</b>	To ensure that PERM (static) aeronautical information is published in the correct part of the IAIP and reduce NOTAM proliferation	
<b>Type</b>	<input checked="" type="checkbox"/> Quantitative <input type="checkbox"/> Qualitative	
<b>Effort</b>	<input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High	
<b>Unit</b>	Number of AIRAC effective dates (months) from issuance of NOTAM to publication of AIC, AIP SUP or AIP amendment containing the PERM NOTAM data and/or cancellation of NOTAM	
<b>Assessment Method</b>	1. List all PERM A series NOTAM published since 01 JAN 2021 including issued date 2. Record Date when information is published in the correct part of the IAIP and/or cancelled. If not replace with Analysis Evaluation Date 3. The number of months NOTAM remained valid	
<b>Analysis Frequency</b>	<input type="checkbox"/> Day <input type="checkbox"/> Week <input type="checkbox"/> Month <input checked="" type="checkbox"/> Quarter <input type="checkbox"/> Year	



## PERM NOTAM KPI #2

KPI Name	INCLUDE PERM INTERNATIONAL NOTAM CONTENT INTO IAIP (continued)	KPI #2
Comments	<p>As from 01 JAN 2021 all PERM international NOTAM issued to be recorded. When NOTAM information is published in the AIC, AIP SUP or AIP amendment, record publication date. If not replace with Analysis Evaluation Date. Proposed evaluation sheet can be used to record and monitor the progress. The sheet will measure the number of AIRAC cycles (months) taken for the NOTAM to be in the applicable part of the IAIP and/or cancelled. Period of more than 6 months to be avoided. On a quarterly report the analysis to ICAO MID AIM Forum. The progress will be discussed.</p>	



## PERM NOTAM KPI #2

Evaluation example of monitoring the quarterly progress of KPI #2

Target to end (AIRAC cycles)	6		
<b>PERM NOTAM number</b>	<b>Issue Date</b>	<b>Date included in IAIP or evaluation date</b>	<b>Validity in months</b>
A1001/20	01/05/2020	30/01/2021	8
A0010/21	01/01/2021	15/05/2021	5
A0020/21	01/02/2021	15/03/2021	2





## Possible Challenges

#1

NOTAM Office cannot trace the originator of the NOTAM.

#2

Data Originator does not agree to cancel or move NOTAM into other means of publication.



## Possible Solutions

#1

Coordinate with responsible authority near the area related to the NOTAM for information and guidance.

#2

Convince Data Originator quoting relevant ICAO Regulations and seek State Regulator support.





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## Support for States

Access to iPack Portal to Streamline Deployment



For more information: [www.icao.int/iPack](http://www.icao.int/iPack) , [iPack@icao.int](mailto:iPack@icao.int)



## NOTAM2021 promotional material

- NOTAM2021 Flyer
- Posted on the website and can be accessed in the FAQ section.
- <https://www.icao.int/airnavigation/information-management/Pages/GlobalNOTAMcampaign.aspx>





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**MID States action plans, experiences  
and challenges**



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## NOTAM2021 the way forward

- AIM forum will monitor and report the progress of eliminating old/very old NOTAM.
- Use KPIs to measure the progress toward the intended result.
- ICAO MID engages with Member States to address the widespread misuse of NOTAM and provide assistance, as required.
- MID States support the campaign :
  - By raising awareness with management and originators
  - Actively eliminate old NOTAM and prevent it from reoccurring in future.
  - Review NOTAM regulations
  - Avoid NOTAM proliferation
  - Ensure NOTAM are compliant with SARPs and oversight of NOTAM
  - Report to ICAO MID using the template





## Any Other Business

- Next webinar 16 August 2021
- No invitation/registration is required
- Material is available :  
<https://www.icao.int/MID/Pages/2021/NOTAM%20Improvement%20Webinar.aspx>
- SoD



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