



**GREPECAS Programmes and Projects Committee (PPRC) Third Virtual Meeting
 (ePPRC/03)
 Online, 22 – 23 July 2021**

**Agenda Item 2: Follow-up on GREPECAS Programmes and Projects
 2.2 Air Navigation Services (ANS) Implementation in the CAR/SAM Regions**

**GLOBAL NOTAM IMPROVEMENT CAMPAIGN: CORRECTIVE ACTION PLAN
 IN THE SAM REGION
 (Presented by Secretariat)**

EXECUTIVE SUMMARY	
<p>This working paper presents a summary of the actions that the SAM Region is carrying out in support of the Global Campaign to Improve the issuance of NOTAM undertaken by ICAO.</p>	
<i>Action:</i>	<p>Promote Corrective Action Plans in the issuance of NOTAMs and decrease the number of NOTAMs that remain active after 90 days.</p>
<i>Strategic Objectives:</i>	<ul style="list-style-type: none"> • Air Navigation Capacity and Efficiency
<i>References:</i>	<ul style="list-style-type: none"> • Annex 15 – Aeronautical Information Services • ICAO Document 10066 – PANS AIM • Summary of teleconferences on the NOTAM Global Improvement Campaign carried out in SAM Region • SL AN 2 / 2-21 / 12, March 1, 2021

1. Introduction

1.1 Annex 15, in its definitions, indicates that the NOTAM is a notice distributed by telecommunications means that contains information related to the establishment, condition, or modification of any aeronautical facility, service, procedure, or danger, the timely knowledge of which is essential for the personnel in charge of flight operations.

1.2 Doc. 10066 PANS-AIM contains technical guidelines on the content, time validity, and structure of the different types of NOTAM, as well as templates and examples.

1.3 ICAO, through reference SL AN 2 / 2-21 / 12, informs States that it will carry out an ICAO Global Campaign to improve NOTAM.

2. Analysis

2.1 NOTAM message proliferation has generated concern for ICAO and the industry due to the volume of information that had to be managed to plan each operation.

2.2 Concerning the previous point, about 35,000 active NOTAMs are registered in the world air transport system every day. In 2020, the total number of NOTAMs issued exceeded 1.7 million.

2.3 Additionally, ICAO and the industry have detected that a large number of active NOTAMs have exceeded the validity period of NOTAM messages. The analyzes carried out indicate that 20% of these NOTAMs have already exceeded the three-month application period established in Annex 15 — Aeronautical Information Services., Doc. 10066 - PANS-AIM and Doc. 8126 - AIS Manual.

2.4 Considering the aforementioned, ICAO has decided to carry out a World Campaign for NOTAM improvements, divided into two parts, which are:

- a) First Phase: Reduce, to the maximum, the number of old and very old NOTAMs
- b) Second Phase: Raise awareness about the correct use of NOTAM messages

2.5 The ICAO Global Campaign to Improve NOTAMs, Phase 1: Old NOTAMs, was launched in a virtual event on April 8, 2021. Following the virtual launch, a series of webinars were planned throughout 2021 to follow up. One of the webinars took place on June 16, and the following will take place on August 31 and October 28 of this year.

2.6 SAM Region Offices has promoted the States participation in the Campaign webinars and the preparation of Corrective Action Plans, mainly with those with a high number of old and very old NOTAMs.

2.7 The activities carried out by the SAM Region to support the Campaign are:

- a) Teleconference with the AIS / AIM managers of the States to assess the challenges of AIS / AIM in the States. Summary of this teleconference has been presented by a delegate from Brazil in the first webinar of the Campaign;
- b) Participation of the State of Chile, in the second webinar, as one of the States that have made the most significant progress in eliminating old and very old NOTAMs;
- c) Teleconference with the State of Argentina to draw up Action Plans to reduce the number of old and very old NOTAM assets issued by the State;
- d) Distribution of the campaign flyer in Spanish and English. The flyer can be seen as Appendix A to this working paper; and
- e) Inclusion of a link, on the SAM Regional Office website, to the World NOTAM Campaign

2.8 To support the Global Campaign results monitoring, ICAO has developed the “NOTAMetro.” NOTAMetro is a tool; online software used to distinguish among current NOTAMs, old ones - that is, those that have already exceeded three months, but they do not reach a year yet - and the very old ones that are already more than a year old. The software is located on the following website: <https://www.icao.int/airnavigation/information-management/Pages/NOTAMeter.aspx>.

2.9 The following graph shows the current status of NOTAM issuance and the amount of NOTAM active in the world system, issued by the States of the SAM Region:

Total NOTAM

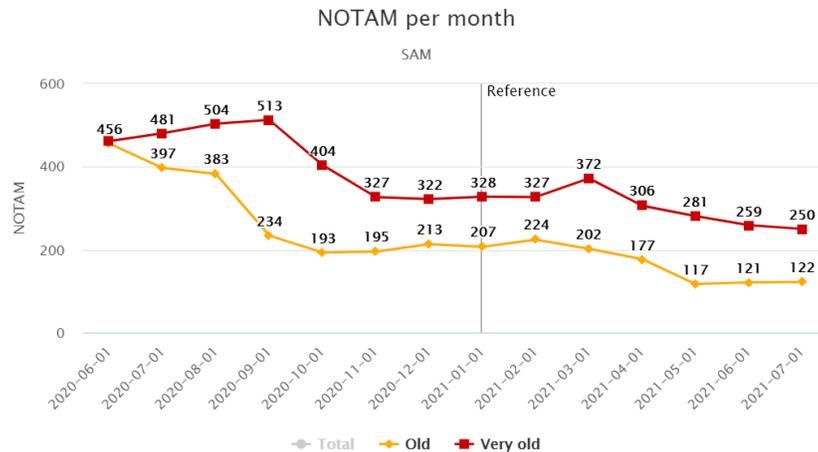
2485

Old NOTAM

122 (4.9%)

Very Old NOTAM

250 (10.1%)



2.10 The Table, presented in Appendix B, shows the current status, as of July, of the NOTAMs issued by each State and the old and very old NOTAMs that remain active in the system for each State of the SAM Region.

3. Conclusion

3.1 It can be seen that the States of the SAM Region has reduced the number of old and very old NOTAMs, in the graph.

3.2 Despite this situation, some States have not been able to eliminate old and very old NOTAMs; therefore, 372 NOTAMs have exceeded the 90 days of validity stipulated in Annex 15 and the ICAO documents regarding aeronautical information management.

3.3 The Meeting should urge the States with NOTAMs, with a validity period greater than 90 days, still active, to replace it with a Supplement or an Amendment to the AIP, depending on each case.

4. Suggested Actions

4.1 The meeting is invited to:

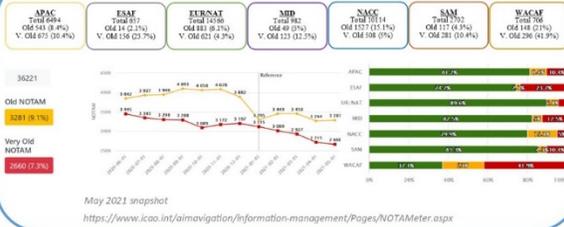
- a) take note of the content of this study note;
- b) review the current status of the NOTAM issuance presented in Appendix B and provide recommendations if deemed necessary; and
- c) consider other actions that they deem necessary

APPENDIX A NOTAM Global Improvement Campaign Flyer

INTRODUCTION

- ← The number of NOTAM issued globally in a year has grown from 250 000 in 2000, to 1.7 million in 2020 and on any given day, there are some 35 000 active NOTAM circulating in the global air transport system.
- Operational safety critical NOTAM are “hidden in plain sight” in pre-flight briefing packages that are cluttered with old and administrative NOTAM.
- On average around 20% of the NOTAM in pre-flight briefing packages exceed the 3 month validity period.

TRENDS



ICAO PROVISIONS

ICAO SARPs require:

- NOTAM should never be active for more than three months, and never be replaced more than once.
- Temporary changes of long duration (more than 3 months) shall be published as AIP Supplement.
- NOTAM temporary changes of long duration shall be moved to AIP SUP within 3 months.
- EST NOTAM that unexpectedly exceed the 3 month period may be extended for a further period not exceeding 3 months; however, if the expected extension goes beyond 3 months, an AIP SUP shall be issued.
- PERM NOTAM shall be moved into appropriate aeronautical information products within 3 months of issuing.

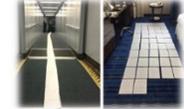
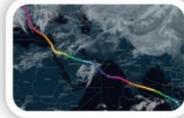


NOTAM2021

Working together to eliminate old NOTAM

NOTAM PROBLEM

- It is not uncommon for a briefing package of a long-haul international flight to contain more than 100 pages, or 1 500 NOTAM.
- Findings have shown that around twenty percent of these will be old NOTAM, exceeding their three-month applicability period.
- Some EST NOTAM are being replaced multiple times which is in clear violation of the rules set forth.
- NOTAM are used to promulgate information that should have been issued via AIP Supplement or AIC.



CAUTION

- Safety critical NOTAM are being hidden by too much clutter.**
- NOTAM should never be active for more than three months.**

NOTAM IMPROVEMENT

- ICAO launched a new **Global Campaign on NOTAM Improvement (NOTAM2021)** by kicking off Phase 1 on old NOTAM with its first webinar on 8 April 2021. The objective is to reduce the number of old NOTAM still in circulation. The first webinar presentations and recording are available on: <https://www.icao.int/NOTAM2021>
- Four (4) progress webinars are also scheduled on **16 June, 31 August, 28 October and 15 December 2021**. Registration links for the progress webinars as well as other information regarding the campaign, including the **NOTAMeter** tool are provided on the ICAO NOTAM website: <https://www.icao.int/ainavigation/information-management/Pages/GlobalNOTAMcampaign.aspx>

A CALL TO ACTION

- ⇒ Conduct regular critical reviews of NOTAM to ensure **adherence to applicable ICAO SARPs**.
- ⇒ Ensure all NOTAM convey up-to-date, operationally significant and safety critical information.
- ⇒ Implement **quality management processes** throughout the aeronautical information value chain.
- ⇒ Work closely with originators of NOTAM.
- ⇒ Take action to **cancel, replace and/or publish** old NOTAM in **AIP, AIP Supplement** as applicable.
- ⇒ Actively **participate** in the **NOTAM2021 campaign events** and **provide feedback** (plans, actions taken, experiences and challenges, lessons learned) back to the community.

APPENDIX B
Current Status of NOTAM Issuance in the SAM Region

State	NOTAM				
	Total	Old	Old (%)	Very old	Very old (%)
Argentina	1025	15	1.5 0.9	117	11.4 1.2
Bolivia (Plurinational State of)	73	5	6.8 -3.9	20	27.4 -1.8
Brazil	411	51	12.4 -10.2	23	5.6 -13.7
Chile	435	20	4.6 -1.9	0	
Colombia	210	7	3.3 -3	47	22.4 -1.4
Ecuador	28	0		5	17.9 -4.9
Guyana	7	0		0	
Panama	22	1	4.5 -3.1	4	18.2 10.5
Paraguay	11	0		0	
Peru	121	5	4.1 0.4	28	23.1 -1.2
Suriname	8	0		0	
Uruguay	70	1	1.4 1.4	3	4.3 -0.4
Venezuela (Bolivarian Republic of)	64	17	26.6 11.7	3	4.7 -1.7

— END —