



Agenda Item 6: Global campaign on NOTAM improvement

Corrective Action Plan in the SAM Region

(Presented by the Secretariat)

| SUMMARY | |
|--|---|
| This working paper presents a summary of the actions being taken by the SAM Region in support of the ICAO Global Campaign on NOTAM Improvement. | |
| References: | |
| <ul style="list-style-type: none">• Annex 15 – Aeronautical Information Services• Doc 10066 – PANS AIM• Summary of teleconferences held on the Global campaign on NOTAM improvement• SL AN 2/2-21/12 dated 1 March 2021 | |
| ICAO strategic objectives: | <i>A – Safety</i> <i>B – Capacity and efficiency</i> |

1. Introduction

1.1 Annex 15 defines a NOTAM as a notice distributed by means of telecommunication containing information concerning the establishment, condition or change in any aeronautical facility, service, procedure or hazard, the timely knowledge of which is essential to personnel concerned with flight operations.

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

1.3 ICAO, through SL AN 2/2-21/12, informed States that it would conduct an ICAO global campaign on NOTAM improvement.

2. Discussion

2.1 The proliferation of NOTAM messages has generated concern in ICAO and the industry due to the volume of information that has to be managed for the planning of each operation.

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

2.3 In addition, ICAO and the industry have found that a large number of active NOTAMs have exceeded the validity period of NOTAM messages. Analyses show that 20% of these NOTAMs have already exceeded the three-month implementation period provided for in Annex 15 - Aeronautical Information Services, Doc 10066 - PANS-AIM and Doc 8126 - AIS Manual.

2.4 Considering the above, ICAO has decided to carry out a Global Campaign on NOTAM Improvement, divided into two parts, namely:

- a) Phase 1: Minimise the number of old and very old NOTAMs
- b) Phase 2: Raise awareness on the correct use of NOTAM messages

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

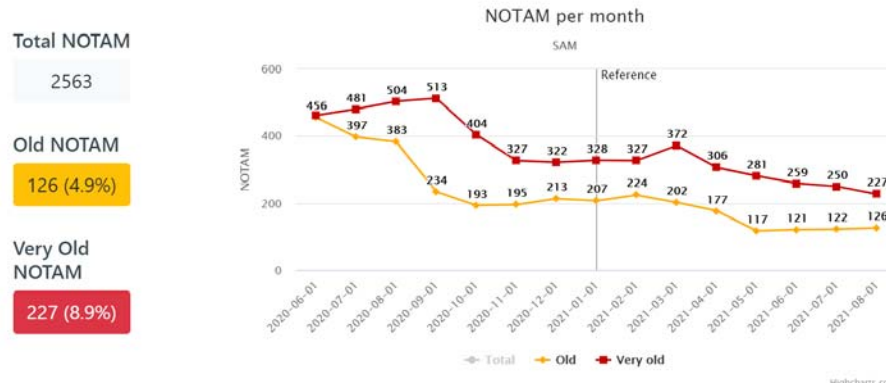
2.6 The Secretariat has promoted the participation of States in Campaign webinars, as well as the development of corrective action plans, especially by those with a high number of old and very old NOTAMs.

2.7 Activities carried out by the SAM Region to support the Campaign include:

- a) Teleconference with AIS/AIM officers from States to assess the challenges of AIS/AIM in States. The summary of this teleconference was presented by a delegate from Brazil in the first webinar of the Campaign;
- b) Participation of Chile in the second webinar, as one of the States that have made the most progress in the elimination of old and very old NOTAMs;
- c) Teleconference with Argentina to develop action plans to reduce the number of old and very old active NOTAMs issued by the State;
- d) Distribution of the campaign flyer, in English and Spanish. The flyer is shown in Appendix A to this working paper;
- e) Virtual missions to Bolivia and Colombia, from whom corrective action plans for old NOTAMs and very old NOTAMs have been requested; and
- f) Inclusion of a link on the SAM Regional Office website to the Global campaign on NOTAM improvement.

2.8 To support the monitoring of the results of the global campaign, ICAO has developed the "NOTAMeter", an online software to distinguish between current NOTAMs, old NOTAMs--that is, NOTAMs that are more than three months old but not yet one year old--, and very old NOTAMs that are more than one year old. The software can be found on the following website: <https://www.icao.int/airnavigation/information-management/Pages/NOTAMeter.aspx>

2.9 The following graph shows the current status of issuance of NOTAMs and the number of active NOTAMs in the global system, issued by SAM States:



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

3. Conclusion

3.1 The graph shows that SAM States have managed to reduce the number of old and very old NOTAMs in the system.

3.2 Despite this situation, some States have not been able to eliminate old and very old NOTAMs and, as a result, 353 NOTAMs remain active in the system that have exceeded the 90-day validity stipulated in Annex 15 and in ICAO documents concerning aeronautical information management.

3.3 The Meeting should urge States that have NOTAMs with a validity period longer than 90 days, still active in the system, to proceed to replace them with an AIP Supplement or Amendment, depending on each case.


4. Suggested action

4.1 The Meeting is invited to:

- a) take note of the information presented in this working paper;
- b) submit the corrective action plan to reduce the number of old NOTAMs and very old NOTAMs; and
- c) consider other actions it may deem necessary.

APPENDIX A

NOTAM Global Improvement Campaign Flyer



ICAO CAPACITY & EFFICIENCY

GLOBAL CAMPAIGN ON
NOTAM IMPROVEMENT


NOTAM2021
Working together to eliminate old NOTAM

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

| Region | Total | Old | Very Old |
|--------|---------|-----------------|--------------------|
| APAC | 748 094 | 156 915 (21.1%) | 1 041 179 (139.4%) |
| ESAF | 74 217 | 16 114 (21.7%) | 58 103 (78.3%) |
| EURSAT | 123 005 | 24 893 (20.2%) | 98 112 (79.8%) |
| MIP | 742 | 49 (6.6%) | 693 (93.4%) |
| SACG | 70 114 | 13 717 (19.6%) | 56 397 (80.4%) |
| SAM | 7 707 | 1 178 (15.3%) | 6 529 (84.7%) |
| WACAF | 3 026 | 148 (4.9%) | 2 878 (95.1%) |




May 2021 snapshot
<https://www.icao.int/aim/navigation/information-management/Pages/NOTAMeter.aspx>

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.



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/aim/navigation/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.

Apéndice B / Appendix B

Tabla de Avances en la reducción de NOTAM antiguos y muy antiguos /
Table on Progress in reducing old and very old NOTAM

| State | Region | Total | NOTAM | | | |
|--|--------|-------|-------|----------------------|----------|---------------------|
| | | | Old | Old (%) | Very old | Very old (%) |
| Argentina | SAM | 1006 | 16 | 1.6 1.1 | 106 | 10.5 0.3 |
| Bolivia (Plurinational State of) | SAM | 72 | 4 | 5.6 -5.2 | 20 | 27.8 -1.5 |
| Brazil | SAM | 406 | 41 | 10.1 -12.5 | 8 | 2 -17.3 |
| Chile | SAM | 533 | 35 | 6.6 0 | 0 | |
| Colombia | SAM | 195 | 8 | 4.1 -2.2 | 47 | 24.1 0.3 |
| Ecuador | SAM | 33 | 0 | | 5 | 15.2 -7.6 |
| Guyana | SAM | 4 | 0 | | 0 | |
| Panama | SAM | 25 | 0 | | 4 | 16 8.3 |
| Paraguay | SAM | 12 | 0 | | 0 | |
| Peru | SAM | 118 | 5 | 4.2 0.5 | 28 | 23.7 -0.6 |
| Suriname | SAM | 9 | 0 | | 0 | |
| Uruguay | SAM | 81 | 0 | | 3 | 3.7 -1 |
| Venezuela (Bolivarian Republic of) | SAM | 69 | 17 | 24.6 9.7 | 6 | 8.7 2.3 |