International Civil Aviation Organization

Twentieth Meeting of the ICAO Aeronautical Information Services − Aeronautical Information Management Implementation Task Force (AAITF/20)

Chitose, Japan, 9 – 13 June 2025

Agenda Item 4: AIS-AIM Updates

NOTAM PROLIFERATION ANALYSIS

(Presented by IFAIMA, in collaboration with the Secretariat)

SUMMARY

This paper presents information about, and a regional analysis on, NOTAM proliferation.

1. INTRODUCTION

1.1 AAITF/13 in 2018 discussed the continuing existence of NOTAM containing information of permanent validity that had not been transferred to AIP or AIP Supplement (AIP SUP) in a timely manner and developed the following Conclusion, subsequently agreed by ATM/SG/6:

Conclusion ATM/SG/6-14: Management of NOTAMs

That, States are urged to take immediate action to reduce the large numbers of permanent, long duration NOTAMs by:

1. *conducting a full review of all NOTAMs issued by the State;*

2. *expediting the transfer of valid permanent NOTAM information into AIP;*

3. *expediting the transfer of valid temporary NOTAM information of long duration into AIP SUP; and*

4. *cancelling the NOTAMs accordingly.*

1.2 AAITF/13 had agreed to the following Task:

Task number	13/4
Action Item:	Periodic sampling of NOTAM PIB to examine the proliferation of PERM and long-term temporary NOTAMs
Time Frame:	Ongoing
Responsible party:	IFAIMA and Secretariat

1.3 ICAO Headquarters initiated the Global Campaign on NOTAM Improvement and held the several webinars in 2021. The first phase of the campaign was focused on eliminating old NOTAMs. ICAO developed a specific tool, the NOTAMeter, which analyses the age of NOTAM issued by member States. The NOTAMeter distinguishes between **Current** *(less than 3 months)*, **Old** *(more than 3 months but less than 1 year)*, and **Very Old** NOTAM *(more than 1 year)*.

2.   DISCUSSION

Regional NOTAM Analysis

2.1   ICAO APAC Regional Office and International Federation of Aeronautical Information Management Associations (IFAIMA) have been conducting a Regional NOTAM Analysis for several years using different methodology and sources such as NOTAM checklists, AIS websites and ICAO API Data service (https://applications.icao.int/dataservices/default.aspx).

2.2   Due to unavailability of NOTAMeter, the Regional NOTAM Analysis – 2025 is conducted by only regional methodology. Considering large gaps between State NOTAM database and ICAO API Data service database, some Administration's NOTAMs are analyzed manually.

2.3   As of 15 May 2025, there were a total of **5,989** active NOTAMs in the APAC Region. Of these, approximately **356** (about 6%) were classified as old, and **153** (around 2.5%) were classified as very old.

2.4   **Figure 1** presents a summary of the Asia/Pacific Regional NOTAM Analysis over the past five years. As shown in **Figure 1**, the total number of NOTAMs has slightly decreased. However, number of old and very old NOTAMs has increased. Specifically, the number of old NOTAMs has increased by **21%** since 2024, and the number of very old NOTAMs has decreased by **15%** since 2024. Additionally, the number of EST passed NOTAMs has significantly decreased over the last five years.
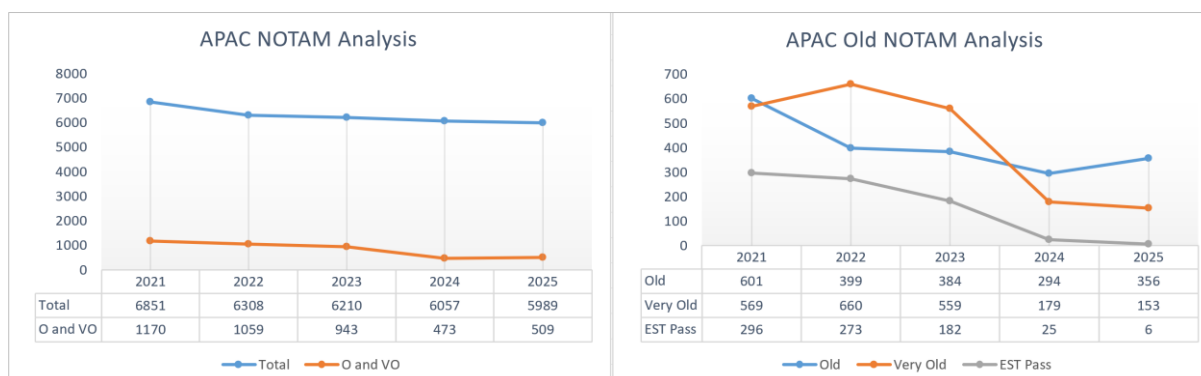

Figure 1: Regional NOTAM analysis

2.5   **Table 1** shows details of Asia/Pacific Regional NOTAM analysis of 2024 and 2025.

Table 1: NOTAM statistics of Asia/Pacific Administrations

Administrations	Regional NOTAM Analysis (as of 01 May 2024)					Regional NOTAM Analysis (as of 15 May 2025)				
	Total	NO	O	VO	EST Pass	Total	NO	O	VO	EST Pass
Afghanistan	60	60	0	0	0	61	61	0	0	0
Australia	673	594	73	6	4	819	710	107	2	0
Bangladesh	46	37	7	2	0	38	29	2	7	0
Bhutan	-	-	-	-	-	-	-	-	-	-
Brunei Darussalam	-	-	-	-	-	-	-	-	-	-
Cambodia	12	10	2	0	0	3	3	0	0	0
China	1336	1214	97	25	0	1092	986	73	33	0
Cook Islands	1	1	0	0	0	3	3	0	0	0
DPR Korea	5	5	0	0	0	2	2	0	0	0

Administrations	Regional NOTAM Analysis (as of 01 May 2024)					Regional NOTAM Analysis (as of 15 May 2025)				
	Total	NO	O	VO	EST Pass	Total	NO	O	VO	EST Pass
Fiji	34	32	2	0	0	42	42	0	0	0
Hong Kong, China	19	19	0	0	0	32	32	0	0	0
India	676	562	42	72	0	696	539	107	50	4
Indonesia	95	93	2	0	0	63	63	0	0	0
Japan	1162	1162	0	0	0	1171	1171	0	0	0
Kiribati	1	1	0	0	0	1	0	0	1	0
Lao PDR	33	15	0	18	0	9	6	0	3	0
Macao, China	7	7	0	0	0	9	9	0	0	0
Malaysia	260	260	0	0	0	322	322	0	0	0
Maldives	13	13	0	0	0	16	15	0	1	0
Marshall Islands	30	30	0	0	0	29	29	0	0	0
Micronesia	-	-	-	-	-	-	-	-	-	-
Mongolia	21	21	0	0	0	9	9	0	0	0
Myanmar	16	14	2	0	0	-	-	-	-	-
Nauru	5	1	4	0	3	5	5	0	0	0
Nepal	9	8	1	0	0	17	17	0	0	0
New Zealand	90	90	0	0	0	138	137	1	0	0
Pakistan	35	35	0	0	0	25	24	1	0	0
Palau	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	108	80	16	12	0	64	45	10	9	1
Philippines	481	411	32	38	17	498	413	42	43	1
Republic of Korea	495	495	0	0	0	404	404	0	0	0
Samoa	5	3	0	2	0	7	2	2	3	0
Singapore	114	113	1	0	0	185	185	0	0	0
Solomon Islands	22	17	5	0	0	13	13	0	0	0
Sri Lanka	10	10	0	0	0	6	6	0	0	0
Thailand	130	122	5	3	0	129	123	5	1	0
Timor Leste	12	8	3	1	1	6	4	2	0	0
Tonga	5	5	0	0	0	6	5	1	0	0
Tuvalu	-	-	-	-	-	-	-	-	-	-
Vanuatu	9	9	0	0	0	19	19	0	0	0
Viet Nam	27	27	0	0	0	50	47	3	0	0
Note:	*NO – Not Old NOTAM* *O – Old NOTAM* *VO – Very old NOTAM* *EST PASS – EST Passed NOTAM*									

2.6   As of 15 May 2025, the following 19 Administrations (compared to 18 Administrations at AAITF/19) had zero old and very old NOTAMs:

Afghanistan, Cambodia, Cook Islands, DPR Korea, Fiji, Hong Kong, China, Indonesia, Japan, Macao, China, Malaysia, Marshall Islands, Mongolia, Nauru, Nepal, Republic of Korea, Singapore, Solomon Islands, Sri Lanka and Vanuatu

2.7   The oldest current NOTAM in the APAC Region was published in 2010.

2.8   **Table 2** shows the top 10 NOTAM-promulgating APAC Administrations (as of 15th May). These Administrations promulgated **91%** of all APAC NOTAMs, including **91.2%** of APAC old and very old NOTAM.

Table 2: Top 10 NOTAM-producing Administrations

No	Administrations	Total NOTAM	Old NOTAM	Very Old NOTAM	Percent of old and very old NOTAM
1	Japan	1171	0	0	0.0%
2	China	1092	73	33	9.7%
3	Australia	819	107	2	13.3%
4	India	696	107	50	22.6%
5	Philippines	498	42	43	17.1%
6	Republic of Korea	404	0	0	0.0%
7	Malaysia	322	0	0	0.0%
8	Singapore	185	0	0	0.0%
9	New Zealand	138	1	0	0.7%
10	Thailand	129	5	1	4.7%
		5454	**335**	**129**	**8.5%**

2.9   **Table 3** shows Top 10 poorest performing Administrations in this regard (as of 1st May). These Administrations have **54.1%** of old and very old NOTAM in the APAC Region.

Table 3: Top 10 Poorest Performing Administrations – Old and Very Old NOTAM

No	Administrations	Total NOTAM	Old NOTAM	Very Old NOTAM	Percent of old and very old NOTAM
1	Kiribati	1	0	1	100.0%
2	Samoa	7	2	3	71.4%
3	Lao PDR	9	0	3	33.3%
4	Timor Leste	6	2	0	33.3%
5	Papua New Guinea	64	10	9	29.7%
6	Bangladesh	38	2	7	23.7%
7	India	696	107	50	22.6%
8	Philippines	498	42	43	17.1%
9	Tonga	6	1	0	16.7%
10	Australia	819	107	2	13.3%
		2144	**273**	**118**	**18.2%**

2.10   **Figure 2** presents the number of old and very old NOTAMs categorized by year of issuance. Notably, a total of 395 old and very old NOTAMs were issued over the past two years—261 in 2024 and 134 in 2025.
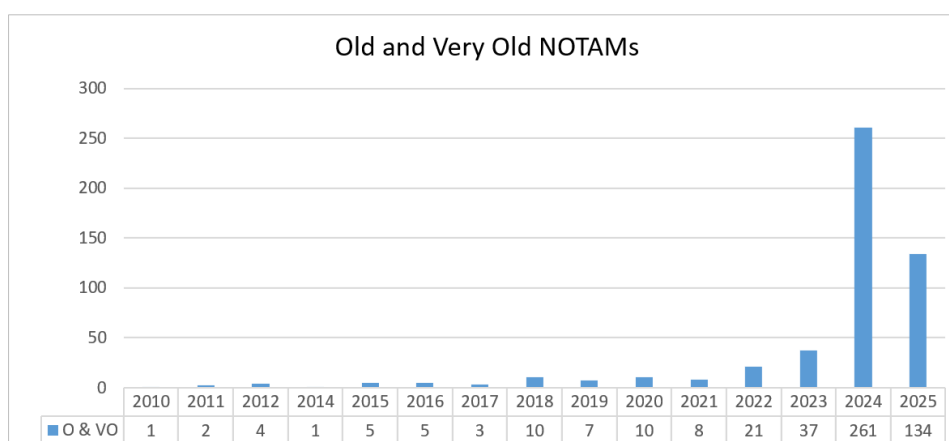
Figure 2: Old and Very old NOTAMs by year

2.11 This significant concentration within a short time frame underscores the inadequate implementation of procedures 6.1.4.4 and 6.1.4.5 as prescribed in the Procedures for Air Navigation Services – Aeronautical Information Management (PANS-AIM, Doc 10066). It is estimated that adherence to these procedures could lead to a potential reduction of old and very old NOTAMs by approximately 77.6%.

> *6.1.4.4 Within three months from the issuing of a permanent NOTAM, the information contained in the NOTAM shall be included in the aeronautical information products affected.*
>
> *6.1.4.5 Within three months from the issuing of a temporary NOTAM of long duration, the information contained in the NOTAM shall be included in the AIP Supplement.*

2.12 One advantage of the Regional NOTAM Analysis is checking NOTAMs with EST indicated in NOTAM Item C). As of 15th May, a total of **six** current NOTAMs in the APAC Region had passed their EST duration, i.e. were overdue for review or cancellation.

2.13 The NOTAM procedures in ICAO Doc 10066 *Procedures for Air Navigation Services – Aeronautical Information Management* (PANS-AIM) Appendix 3 include the mandatory requirement that any NOTAM which has an EST duration shall be cancelled or replaced before the date-time specified in Item C).

2.14 The meeting is invited to note that APANPIRG Air Navigation Deficiencies may be proposed by the ICAO Regional Office where necessary to highlight ongoing non-compliance with the relevant provisions of Annex 15 and PANS-AIM.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

a) note the information contained in this paper;

b) take immediate action to ensure full compliance with NOTAM procedures in ICAO Doc 10066 PANS-AIM and in accordance with ***Conclusion ATM/SG/6-14***; and

c) discuss any relevant matters as appropriate.

– END –