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# Reference Framework for NOTAM messages

(ICAO Annex 15, Doc 8126, Doc 10066 )

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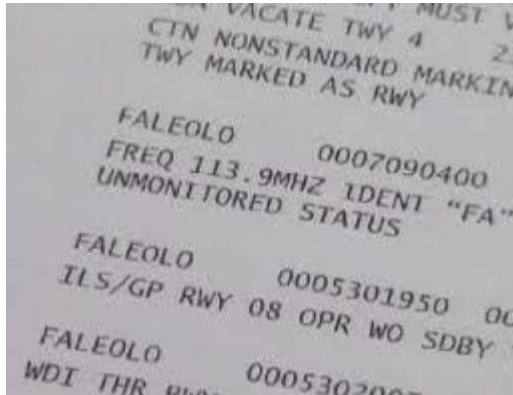
*Regional Officer, Aeronautical Information Management  
ICAO NACC Regional Office*

**Lima, Peru 7 to 9 September 2022.**





Support States in the resolution of controversies on the NOTAM messages issuance as well as the technical personnel training for the management of NOTAM in the electronic environment.



Q) RJJJ/QWHLW/IV/M /AW /000/005/3447N13526E  
 A) RJOO  
 B) 22/08/27 10:00 C) 22/08/27 12:00  
 E) FIREWORKS: PLACE : 344630N1352545E (APRX QTE/222DEG 0.8NM FM RJOO ARP) (ITAMI-SHI IN HYOGO) RMK:INSTR APCH PROC AND WX MNM CHANGE, SEE NOTAM RJAAYNYX K2121/22,K2122/22,K2123/22,K2124/22,K21 (DOM RJOO 0161/22,0162/22,0163/22,0164/22,0165/22

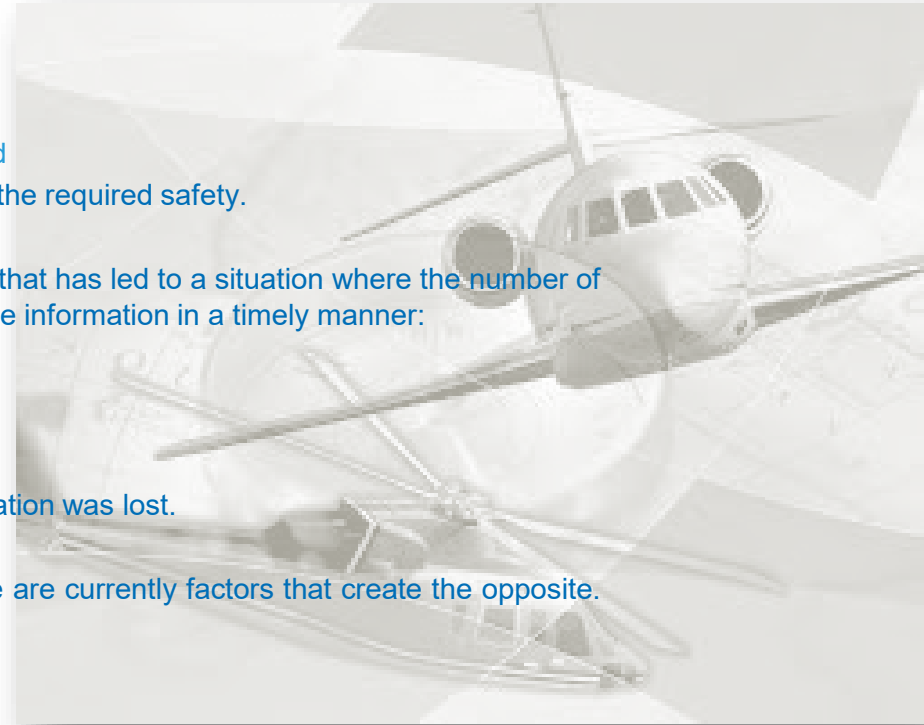
- ISEA 11047 (KSEA A2934/15) SEA TWY F, TWY K BTN RWY 15 15L/34R, TWY M BTN RWY 15C/34C AND RWY 15L/34R, TWY 15C/34C AND TWY H CLSD 1511161953-1512190759
- ISEA 110216 (KSEA A2853/15) SEA RWY 34C ALS OUT OF
- IFDC 518220 (KSEA A2675/15) SEA IAP SEATTLE TACOM 34L (SA CAT I AND II) AMDT 1C, TERMINAL RAMP C/D ILS OR LOC RWY 34L, AMDT 1D, ILS RWY 34L (SA CAT
- IFDC 519667 (KSEA A2406/15) SEA STAR SEATTLE TACOM ASSIGNED ONLY. 1510220700-1512123596ST





# Generalities

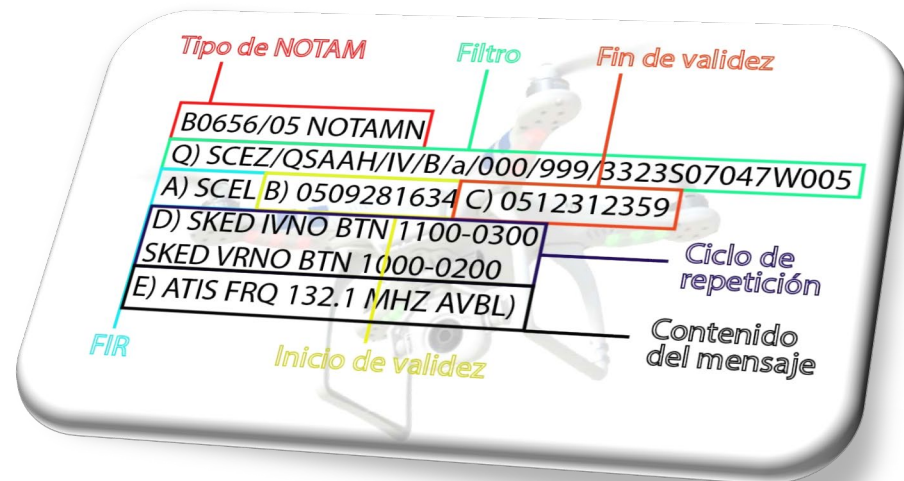
- NOTAM is a system established since the 1940s, which includes the practice of archiving and publishing NOTAM, to provide information that could affect the safety of flight activities, whose timely knowledge is essential for all personnel related to flight operations.
- NOTAM contain information related to:
  - the establishment
  - condition
  - change of any facility, service, procedure or aeronautical hazard
- Pilots depend on this information for the conduct of operations and the required safety.
- In the last 10 years, there is an increase in the volume of NOTAMs that has led to a situation where the number of NOTAMs exceeds the ability of end users to review and evaluate the information in a timely manner:
  - Pilots
  - ATS
  - Dispatch Officers
- This has resulted in several incidents in which safety-critical information was lost.
- NOTAMs are supposed to support situational awareness, but there are currently factors that create the opposite. This can not continue; It is unacceptable



## NOTAM

### Notice to Airmen

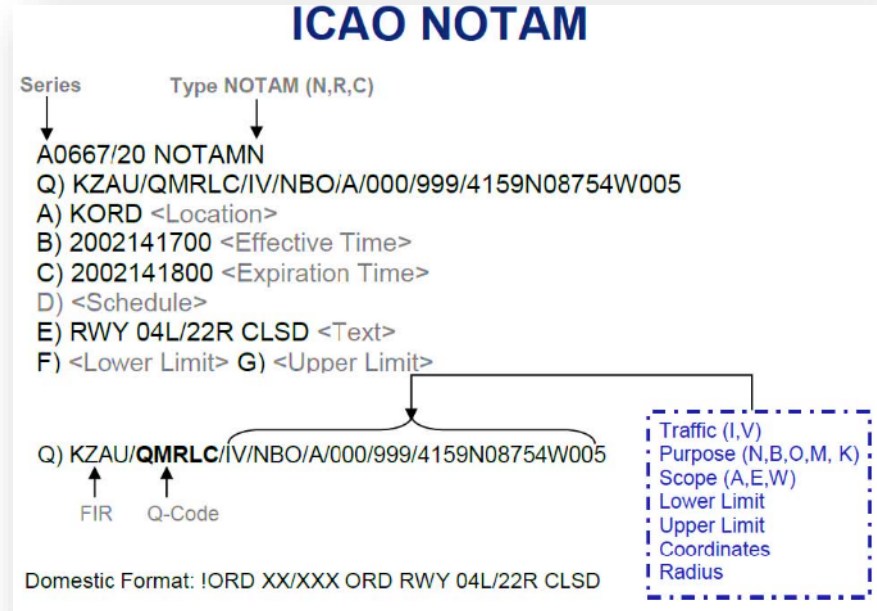
- It is a notice distributed by means of telecommunications that contains information regarding the establishment, condition or change in any facility, service, procedure or aeronautical hazard, the timely knowledge of which is essential for personnel related to flight operations.



## What is a NOTAM like and how is it interpreted?

- There are several types of NOTAM
- NOTAMs are quite complex
- They are sent in a very short form
  - NOTAM example:

```
B0656/05 NOTAMN
Q)SCEZ/QSAAH/IV/B/A/000/999/3323S07047W005
A)SCEL
B)0509281634
C)0512312359
D)SKED IVNO BTN 1100-0300
SKED VRNO BTN 1000-0200
E)ATIS FRQ 132.1 MHZ AVBL
```



- That is a lot of information derived from just a few lines of text. The ability to interpret NOTAMs is considered one of the essential skills for a commercial pilot mainly; therefore, its inclusion in the knowledge test is the manual decoding of each element of a NOTAM requires practice and having a reference guide at hand
- **INSTRUCTIONS TO FILL OUT THE NOTAM FORM**
  - NOTAM numbering
  - Qualifying (Box Q)
  - Boxes A), B), C), D), E), F) and G) (in addition to H to T)
- **DEFAULT DISTRIBUTION SYSTEM FOR NOTAM**
  - *(See Chapter 5, 5.4.2.4, and Annex 10, Volume II, Chapter 4, 4.4.14)*





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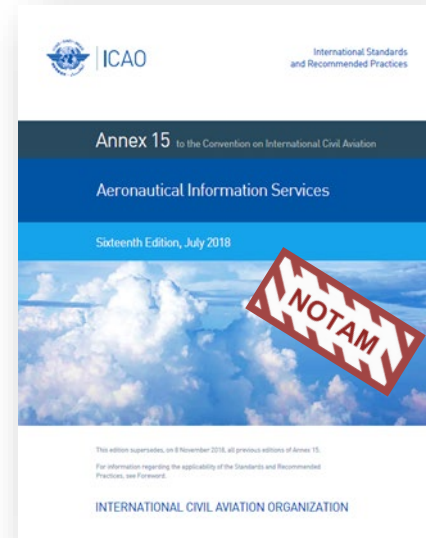


# Annex 15 Framework

## Background

Annex 15 (A15), had the antecedent as Procedures for International Notices to Airmen, **PANS-NOTAM** - PICA0 Doc 2713, January 1947

- In 1949, the NOTAM Special Meeting reviewed and proposed amendments, the PANS-AIS, Doc 7106 in August 1951, the NOTAM Code in January 1961... and in Amendment 41 the NOTAM topics continue, as an example:
  - In the amendment regarding the improvement of the promulgation of information on Dangerous Activities for civil aviation through the NOTAM, with the specific case of activities in Conflict Zones potentially dangerous for civil aircraft in November 2020





- A15 - 5.2.6 NOTAM
- Note.— Detailed specifications for NOTAMs, including formats for SNOWTAM and ASHTAM, are contained in PANS-AIM (Doc 10066)
- A checklist of valid NOTAMs will be provided regularly
- Note.— Detailed specifications on the frequency with which valid NOTAM checklists are provided are contained in PANS-AIM (Doc 10066)
- A15 - 5.4.2 NOTAM Distribution
- Paragraphs from 5.4.2.1 NOTAMs shall be distributed on a request basis ... to ... 5.4.2.7 Recommendation.— Selective distribution lists should be used where possible.
- Note.— Guidance material related to selective distribution lists can be found in the Aeronautical Information Services Manual (Doc 8126)

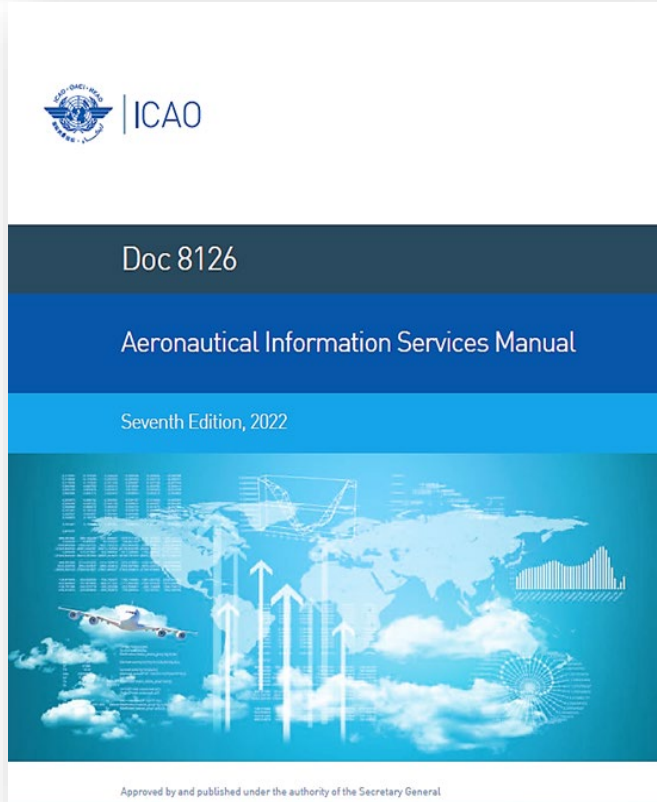
- A15 - 6.3.2 NOTAM
- 6.3.2.1 When an AIP Amendment or AIP Supplement is published in accordance with AIRAC procedures, a NOTAM will originate
- Note.— *Detailed specifications for the Service Activation NOTAM — Aeronautical Information Management (PANS-AIM, Doc. 10066) are contained in the Procedures for Air Navigation.*
- A NOTAM will be originated and issued regarding the following information:  
...  
• The following information should not be notified by NOTAM:  
...





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# Doc 8126 – Aeronautical Information Services Manual Framework

## Doc 8126 – Aeronautical Information Services Manual Seventh Edition, 2022

- The global ATM system is based on AIS and AIM digital and data-centric
- The provisions of Annex 15 were restructured and amended to clarify :
  - the scope, role, main functions, products, services and update mechanisms
  - Facilitates the ATM environment towards SWIM principles
  - Doc 8126 7th. Edition, Revised 2022 Provides Guidance for Successful Implementation of AIM
- Explains the provisions contained in Annex 15 and the PANS-AIM
  - provides basic information on certain specifications
  - helps illustrate its meaning and exemplifies the means of meeting these specifications

### PART III. Aeronautical Information in Standard Presentation and Related Services

- Chapter 6. NOTAM
- Chapter 7. SNOWTAM
- Chapter 8. ASHTAM
- Chapter 9. Instructions for the distribution of NOTAM messages
- **Appendix C. Use of automation in NOTAM compilation, processing and distribution**
- **Appendix F. Use of NOTAM codes and abbreviations**
- **Appendix G. NOTAM Selection Criteria**

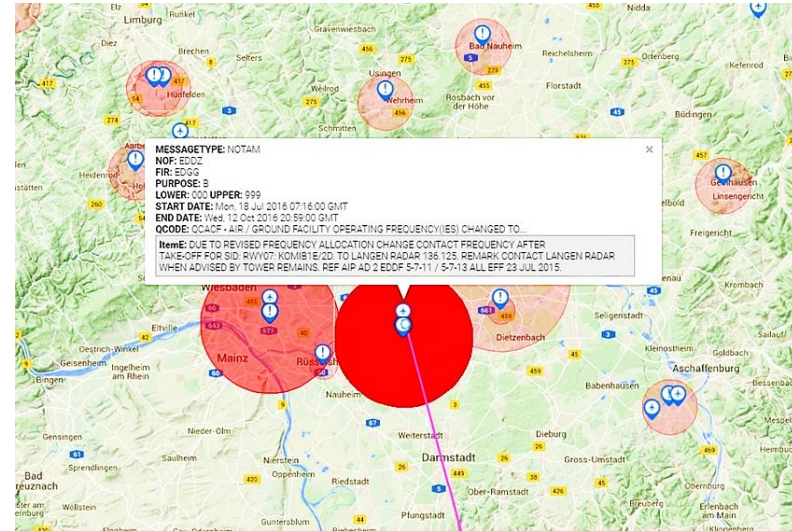




# Doc 8126 – Aeronautical Information Services Manual

## Section III, Chap. 1, Para. 1.4.6 NOTAM

- 6.1 INTRODUCTION
- 6.2 NOTAM FORMAT
- 6.3 NOTAM SPECIFICATIONS
- 6.4 CROSS REFERENCE TO AIP OR SUPPLEMENT AIP
- 6.5 NAME OF THE LOCATIONS
- 6.6 EXAMPLES OF NOTAM USING THE NOTAM FORMAT
- 6.7 ACTIVATION NOTAM
- 6.8 NOTAM CHECKLIST





# Doc 10066 Framework, Procedures for Air Navigation Services — Aeronautical Information Management (PANS-AIM)

- Procedures for air navigation services — Aeronautical information management (**PANS-AIM, Doc 10066**) contain operating practices that are extensively detailed to be included in the SARPs of the **Annex 15**.
- **PANS-AIM** provide a means for further harmonization within the aeronautical information domain and accommodate emerging technical requirements.





- **Chapter 5.** This chapter also contains general specifications on NOTAM, number and series allocation, checklist and NOTAM distribution. In addition, it includes specifications related to pre-flight information services
  - 5.2.5 NOTAM
  - 5.2.5.1 General Specifications
  - Note.— Detailed guidance material covering the production of NOTAM, SNOWTAM, ASHTAM and production of pre-flight information (PIB) is provided in Doc 8126
  - Note 1.— The ICAO NOTAM codes as well as the meanings/uniform abbreviated phraseology and ICAO abbreviations are contained in the ICAO document entitled PANS-ABC, Doc 8400
- In Appendices **3**, **4** and **5**, respectively, the format and instructions for completing NOTAM, SNOWTAM and ASHTAM are given and in Appendix 7 the default distribution of NOTAM is detailed.
  - Appendix 3. NOTAM Format
  - Appendix 4. SNOWTAM Format
  - Appendix 5. ASHTAM Format
  - Appendix 7. Default distribution system for NOTAM



- 5.2.5.1.3 All NOTAMs will be issued in english
  - *Note.*— If required for national users, NOTAMs may also be issued in the national language
  - *Note 1.*— ICAO NOTAM codes as well as meanings/uniform abbreviated phraseology and ICAO abbreviations and codes are contained in the PANS-ABC (Doc 8400)
- 5.2.5.1.13 The place indicators contained in the text of a NOTAM will be those shown in the *Location Indicators (Doc 7910)*
- 5.2.5.2 Assignment of NOTAM number and series
- 5.2.5.3 NOTAM checklist
- 5.4.2 NOTAM Distribution
- 6.1.4 Specifications related to NOTAM
  - *Note.*— For examples of NOTAM see the *Aeronautical Information Services Manual (Doc. 8126)* and the *Procedures for Air Navigation Services — ICAO Abbreviations and Codes (PANS-ABC, Doc 8400)*.

**FORMATO DE NOTAM**  
(véase el Capítulo 5, 5.2.5)

Indicador de prioridad											→	
Dirección												
←CB												
Fecha y hora de depósito											→	
Indicador del remitente											←CB	
Serie, número e identificador del mensaje												
NOTAM que contiene nueva información	..... NOTAM (Serie y número/año)											
NOTAM que reemplaza un NOTAM anterior	..... NOTAMR (Serie y número/año) (Serie y número/año del NOTAM reemplazado)											
NOTAM que cancela un NOTAM anterior	..... NOTAMC (Serie y número/año) (Serie y número del NOTAM cancelado)											
Calificativos												
	FIR	Código NOTAM	Tránsito	Objetivo	Alcance	Límite inferior	Límite superior	Coordenadas, radio				
Q)												←CB
Identificación del indicador de lugar OACI correspondiente a la instalación, espacio aéreo o condición notificado											A) →	
Periodo de validez												
Desde (grupo fecha-hora)	B)											→
Hasta (PERM o grupo fecha-hora)	C)										EST* PERM*	←CB
Horario (si corresponde)	D)											→
												←CB
Texto del NOTAM; entradas en lenguaje claro (con abreviaturas OACI)												
E)												←CB
Límite inferior	F)											→
Límite superior	G)											) ←CB
Firma												

\*Suprimase cuando corresponda



## ICAO References :

**Annex 10**– Aeronautical Telecommunications

**Annex 11**– Air Traffic Services;

**Annex 15**– Aeronautical Information Services;

**Annex 19**– Safety Management;

**Doc 7910**– Location Indicator

**Doc 8126**– Aeronautical Information Services Manual;

**Doc 8400**– ABC — ICAO Abbreviations and Codes.

**Doc 9859**– Safety Management Manual (SMM); and

**Doc 10066**– Procedures for Air Navigation Services —  
Aeronautical Information Management (PANS-AIM)



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