



The Global Voice of AIM

# NOTAM Proliferation

AFI Virtual Workshop on the Improvement of NOTAMs and the Implementation of the New SNOWTAM Format

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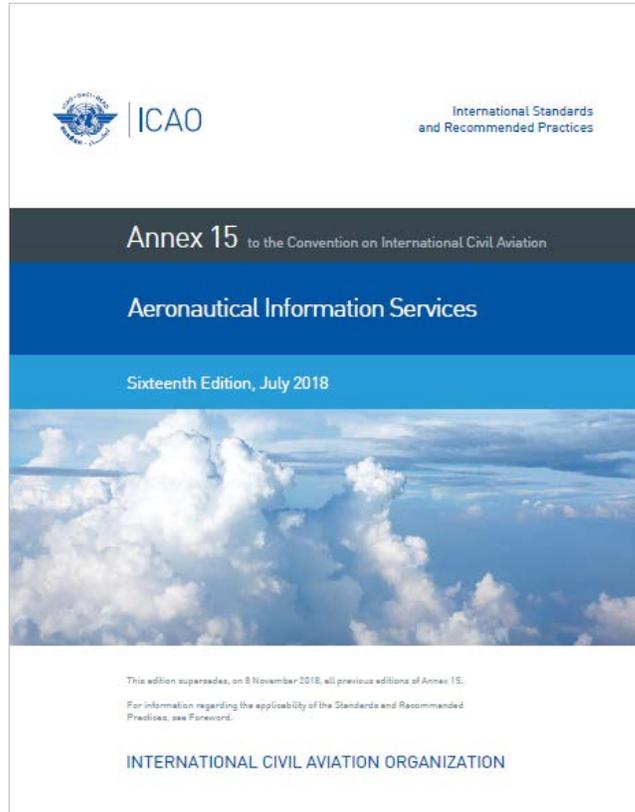
## Annex 15 states that ...

2.1.4 Each Contracting State shall ensure that the aeronautical data and aeronautical information provided are of **required quality**...

2.1.5 Each Contracting State shall ensure that **formal arrangements are established** between originators... in relation to the **timely and complete provision** of aeronautical data and aeronautical information.



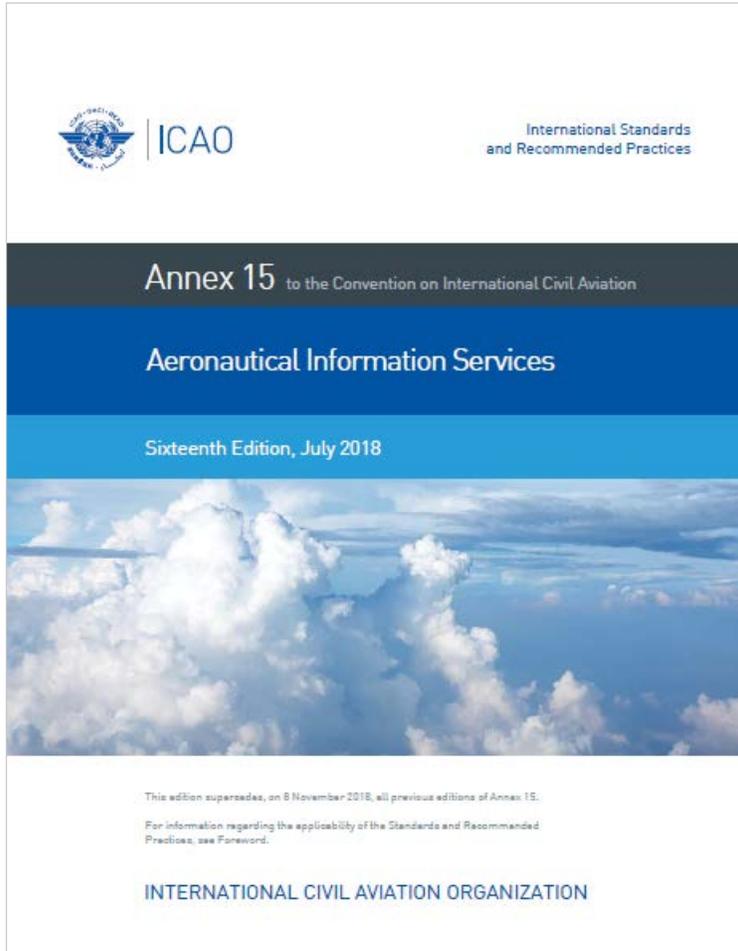
## Annex 15 states that ...



3.3.1 Material to be issued as part of an aeronautical information product shall be thoroughly **checked before** it is submitted to the AIS in order to ensure that **all necessary information** has been included and that it is correct in detail.

3.3.2 An AIS shall establish **verification and validation** procedures which ensure that upon receipt of aeronautical data and aeronautical information, quality requirements are met.





## Annex 15 states that ...

3.6.1 Quality management systems shall be **implemented and maintained** encompassing all functions of an AIS... The execution of such quality management systems shall be made demonstrable for each function stage.

### AIP mistakes corrected by

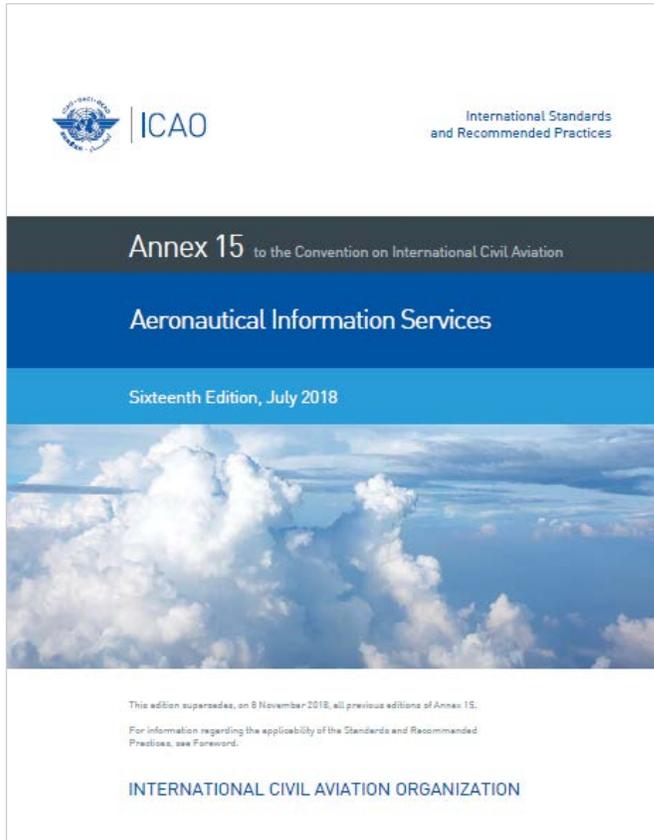
A0239/20 **NOTAMR A0752/18**

Q) /QPAXX/I /NBO/A /000/999/0415S01515E005

A) B) 2002111013 C) PERM

E) STANDARD ARRIVAL INSTRUMENT CHARTS (STAR) RWY05 AND RWY23 READ '**KINSHASA** TRANSITION ALTITUDE' INSTEAD OF '**KINSHSASA** TRANSITION ALTITUDE'

## Annex 15 states that ...



6.3.2.2 A NOTAM shall be originated and issued:

- whenever the information to be distributed is of a temporary nature and of short duration, or
- when **operationally significant** permanent changes or temporary changes of long duration are made at **short notice**, except for extensive text and/or graphics.

6.3.1.3 Temporary changes of long duration (**three months or longer**) ... shall be published as AIP Supplements.

A0054/20 NOTAMR A1422/19

Q) /QFAXX/IV/NBO/A /000/999/0920N01322E005

A) B) 2001171134 C) PERM

E) VISUAL APPROACH CHART READ: AERODROME: **CIVIL** INSTEAD OF AERODROME:**CIV**

## The AIS Manual provides that ...

3.1.2.3 Information that qualifies for publication as an AIP amendment **should not be promulgated as NOTAM**, since those address operationally significant changes only.

States should establish **efficient processes** for the **publication and dissemination** of AIP amendments to avoid issuing NOTAM on information that are not considered significant to flight operations.

3.1.3.4 If the information meets the requirements for publication as an AIP SUP, **a NOTAM should not be issued** since it **did not qualify as operationally significant**.

To avoid issuing NOTAM..., States should establish processes for **quick publication and dissemination** of AIP SUPs.

This helps to **minimize the proliferation of NOTAM** that are not operationally significant.

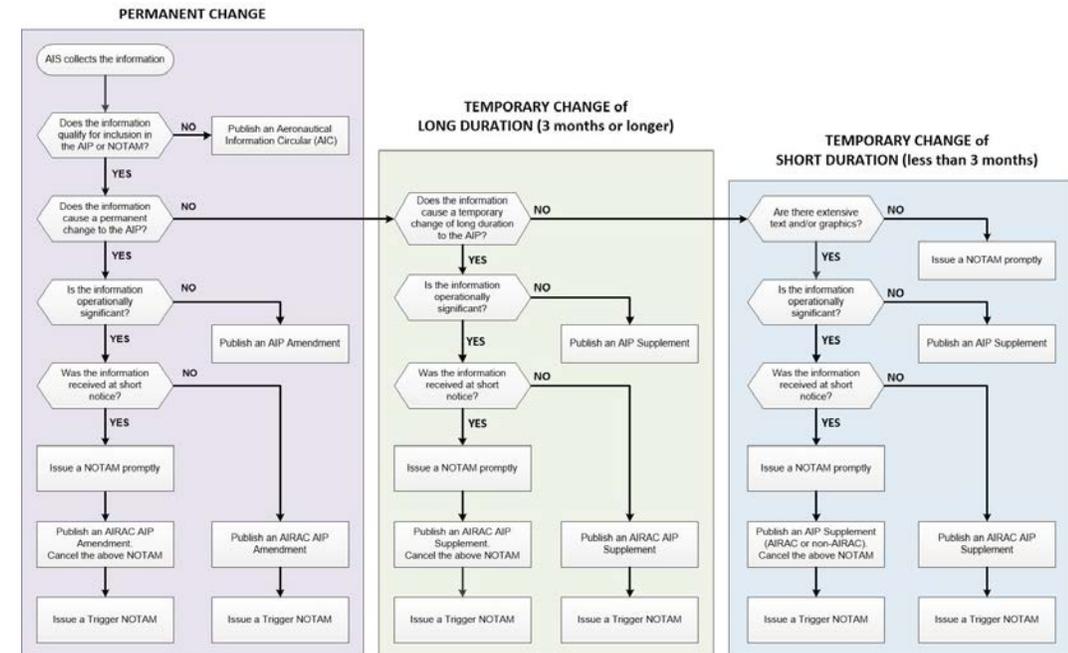
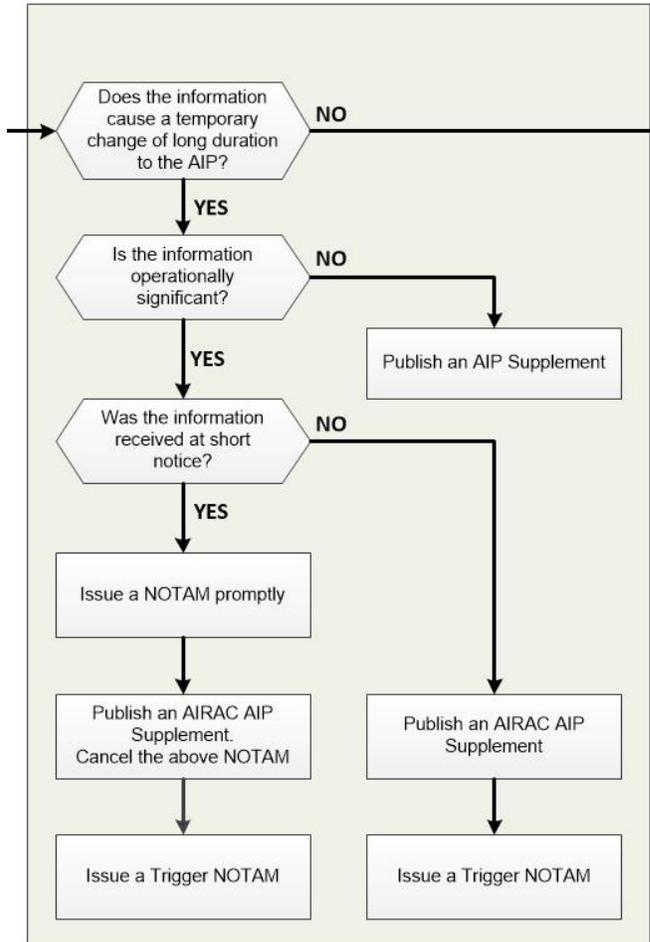


Figure III-3-1. Handling permanent and temporary updates of information

## TEMPORARY CHANGE of LONG DURATION (3 months or longer)



## Issue a NOTAM with long duration... if information:

- causes a temporary change of long duration to the AIP
- is operationally significant, and
- was received at short notice.

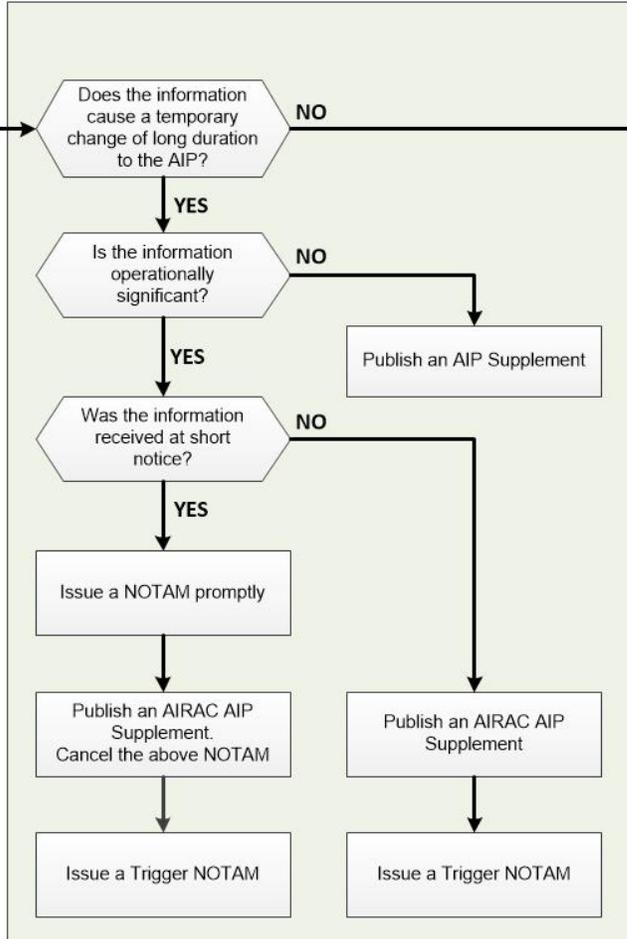
However, NOTAM shall be published as AIP SUP and cancelled within three months (see next slide)!

**Total Duration: ≈15 months**  
**Replaced: 5 times (as known)**



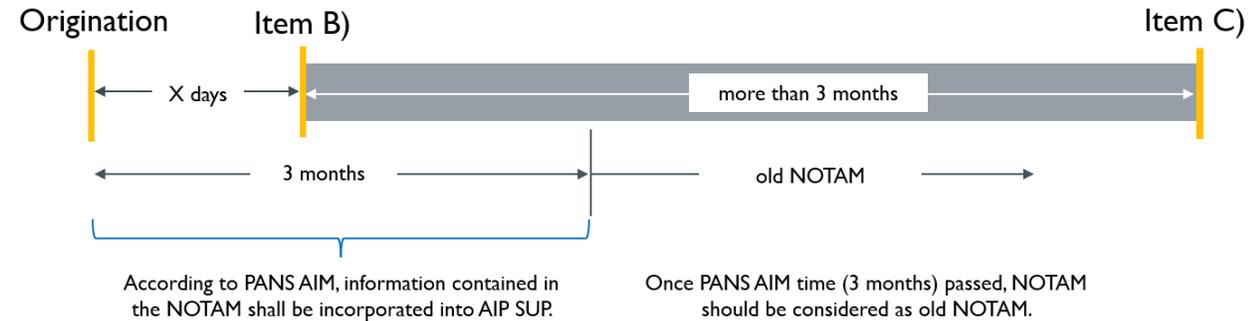
- A0586/21 NOTAMR **A3580/20**  
 A) B) 2103081656 C) 2106051000 EST  
 E) PILOTS TO TAKE CTN AS THERE
- A3580/20** NOTAMR **A2739/20**  
 A) B) 2012090845 C) 2103081000 EST
- A2739/20** NOTAMR **A1910/20**  
 A) B) 2009111133 C) 2012091000 EST
- A1910/20** NOTAMR **A1150/20**  
 A) B) 2006151359 C) 2009111000 EST
- A1150/20** NOTAMR A4986/19  
 A) B) 2003180726 C) 2006151000 EST  
 E) PILOTS TO TAKE CTN AS THERE

## TEMPORARY CHANGE of LONG DURATION (3 months or longer)



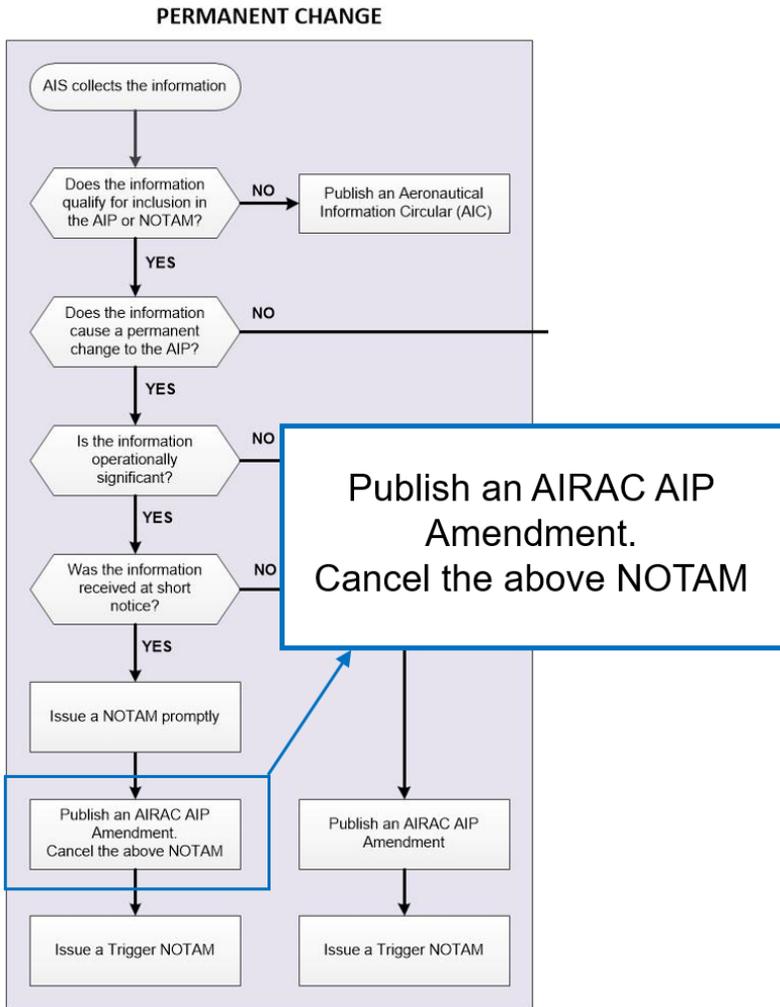
## PANS-AIM states that ...

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 SUP.



## PANS-AIM states that ...

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.



- A0112/20 NOTAMR A0264/18
- Q) /QPUCH/I/BO/A/000/999/
- A) B) 2001231756 C) PERM
- E) RWY 28 MISSED APCH PROC CHANGED: ...



Since NOTAM issuance, 17 months passed . . .

The NOTAM indicates that this information was published in 2018 (A0264/18)

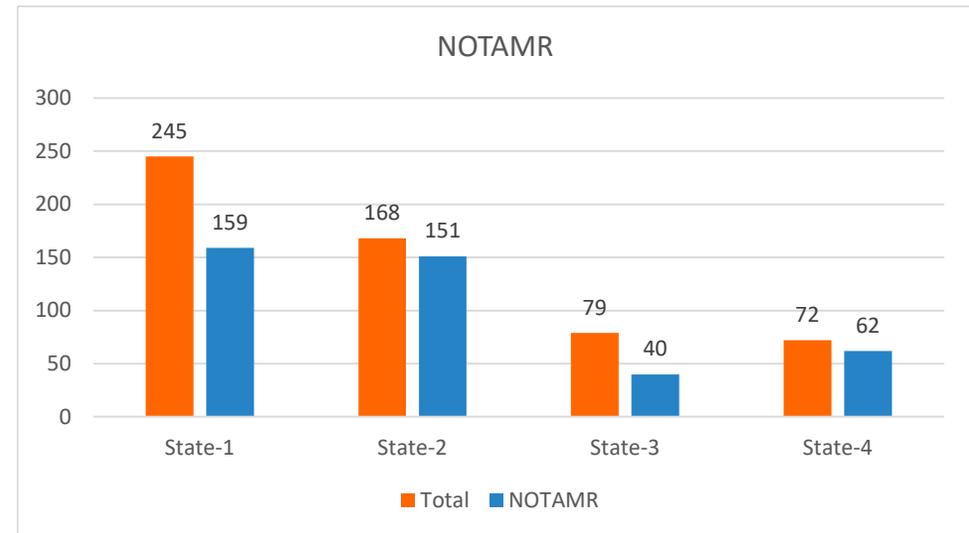
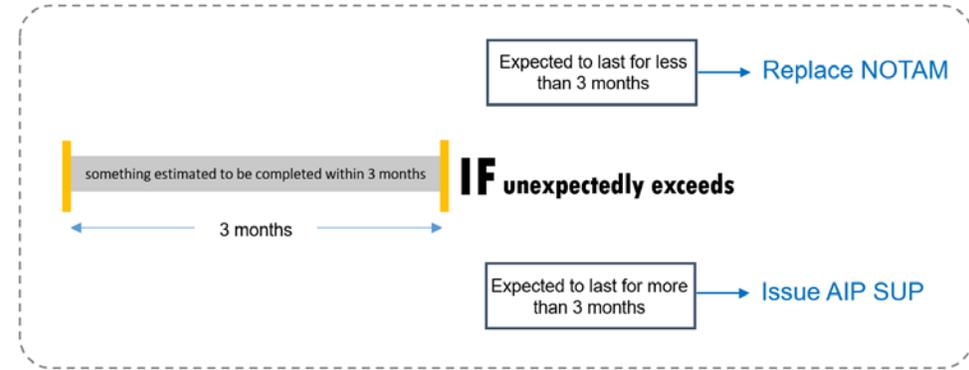
## PANS-AIM states that ...

6.1.4.6 When a NOTAM with estimated end of validity **unexpectedly exceeds** the three-month period, a replacement NOTAM shall be issued, unless the condition is expected to last for a further period of more than three months; in this case, an AIP SUP shall be issued.

- NOTAMR: **412** of 564 (73%)
- Repetitive NOTAM Replacement



Please don't use "Cheap Trick"



## Repetitive NOTAM replacements

- clearly in violation of the original intent of NOTAM
- not compliant with PANS-AIM procedures (6.1.4.6)
- not counted in NOTAMETER



**43 Months**  
**1292 Days**  
**31008 Hours**

**21** **NOTAMs**

B0280/18 NOTAMN

A) B) 1802121200 C) 1805111200 EST  
E) ATC VIS TO THE NORTH, LEFT BASE AND NW OF RWY  
05 OBSC. SUBJ TFC, ACFT FM THE NW CAN BE JOINED  
OHD THE AIRFIELD.

B0573/18 NOTAMR B0280/18

A) B) 1804181011 C) 1807141000 EST

B0575/18 NOTAMR B0573/18

A) B) 1804181122 C) 1807141700 EST

B0341/21 NOTAMR B1794/20

A) B) 2102282350 C) 2103010800 EST

B0348/21 NOTAMR B0341/21

A) B) 2103010825 C) 2105280800 EST

B0871/21 NOTAMR B0348/21

A) B) 2105280651 C) 2108270800 EST

## NOTAM for Hand Amendment

- Hand Amendment NOTAM: **24** (10% of total NOTAM)
- Old NOTAM: **2** (8% of total Hand AMDT NOTAM)
- Very Old NOTAM: **20** (83% of total Hand AMDT NOTAM)

F0041/20 NOTAMN

A)            B) 2004021100 C) PERM

E) HAND AMEND AIRAC SUP S019/20 DATED 23 APRIL 2020 AS FLW: VALIDITY PERIOD TO READ 01 JULY 2020 UNTIL 31 JULY 2021.

F0074/20 NOTAMR F0041/20

A)            B) 2006090956 C) PERM

E) HAND AMEND AIRAC SUP S019/20 DATED 23 APRIL 2020 AS FLW: VALIDITY PERIOD TO READ 01 JUNE 2021 UNTIL 31 MAY 2022.

## PANS AIM states that ...

### 6.1.3 Specifications for AIP Supplements

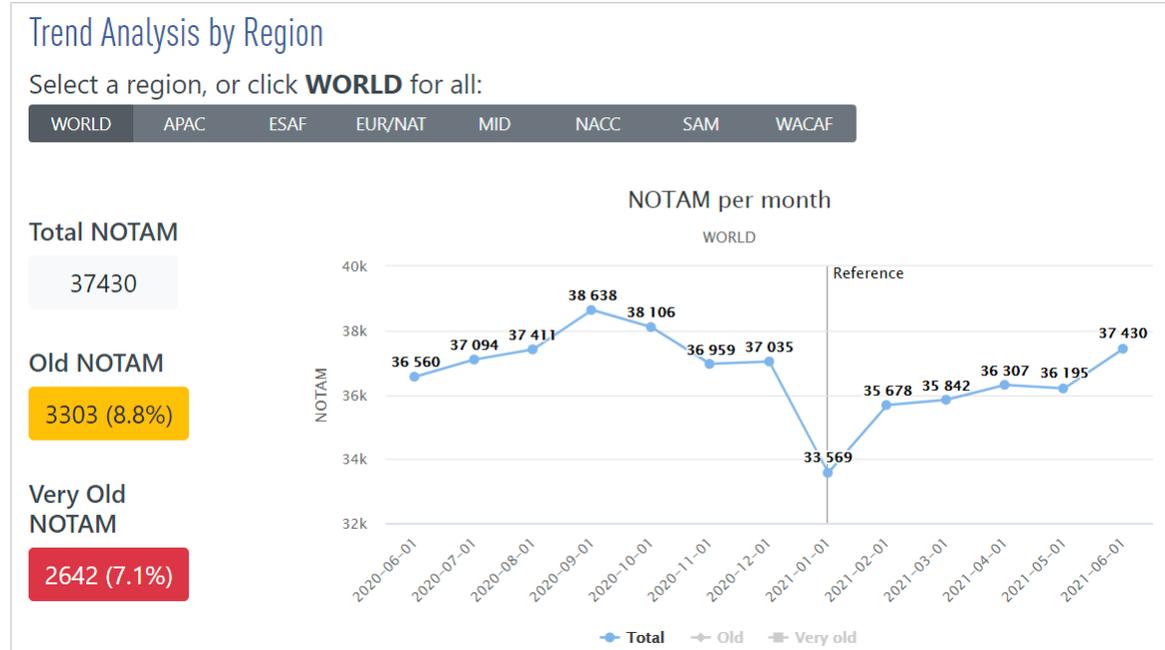
When an error occurs in an AIP Supplement or when the period of validity of an AIP Supplement is changed, **a new AIP Supplement** shall be published as a replacement.



When will it be cancelled?

## NOTAM that shall not be issued...

- Information that **shall not be notified by NOTAM** are clearly stated in Annex 15 (6.3.2.4)
- A NOTAM should not be issued since it **did not qualify as operationally significant**
- If you get a request to issue a NOTAM for the information as stated in Annex 15, **educate** the originator and **do not publish** the NOTAM.



## Example ...

- Publication resolution: 1sec (however, AIP resolution is greater than required publication resolution)
- Accuracy: 30m
- Distance: 13.7m (Geo Calc)



Is it really need to issue NOTAM?  
What is appropriate publication?  
Why it has not been incorporated into AIP yet?

A0827/17 NOTAMN  
A) FCBB B) 1706260932 C) PERM

A0615/18 NOTAMR A0827/17  
B) 1805081254 C) PERM

A0749/18 NOTAMR A0615/18  
B) 1805301440 C) PERM

A0957/18 NOTAMR A0749/18  
B) 1807041104 C) PERM

A0337/19 NOTAMR A0957/18  
B) 1903031512 C) PERM

A0177/20 NOTAMR A0337/19  
Q) /QFAXX/IV/NBO/A /000/999/0415S01515E005  
A) B) 2001310617 C) PERM  
E) ARP COORDINATES READ [041502S0151505E](#) INSTEAD OF  
[041501.8S0151505.4E](#)

Since 2017

6

NOTAM

## NOTAM with EST

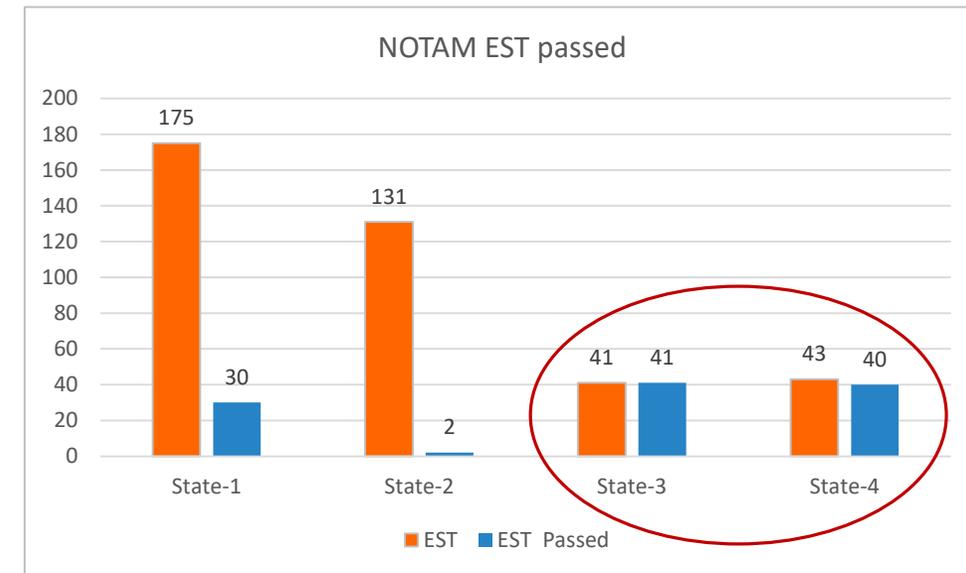
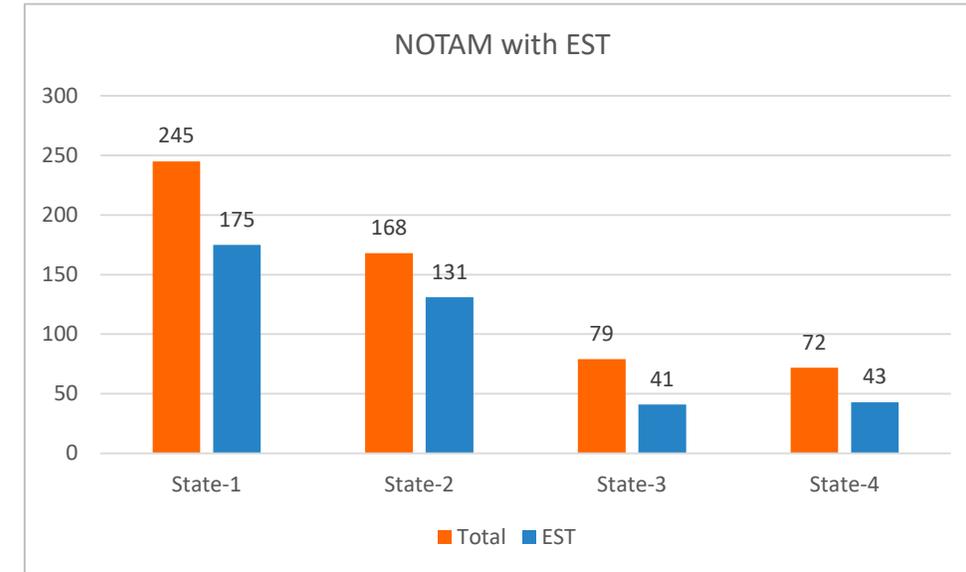
- NOTAM with EST: **390** of 564 (69%)
- EST Passed NOTAM: **113** of 390 (29%)

A1096/20 NOTAMR A0950/20

Q) /QFAHX/IV/NBO/A /000/999/0415S01515E005

A) B) 2007252000 C) **2010232359 EST**

E) BIRD CONCENTRATION AROUND RWY 05/23. CAUTION ADVISED WHEN LDG AND TKOF.



## The AIS Manual states that ...

6.3.7.3 ... Any NOTAM using EST must be cancelled or replaced before the date-time specified in Item C).

Failure to cancel or replace a NOTAM using EST implies that the NOTAM will continue to be promulgated for an indefinite period of time.



Late replacement

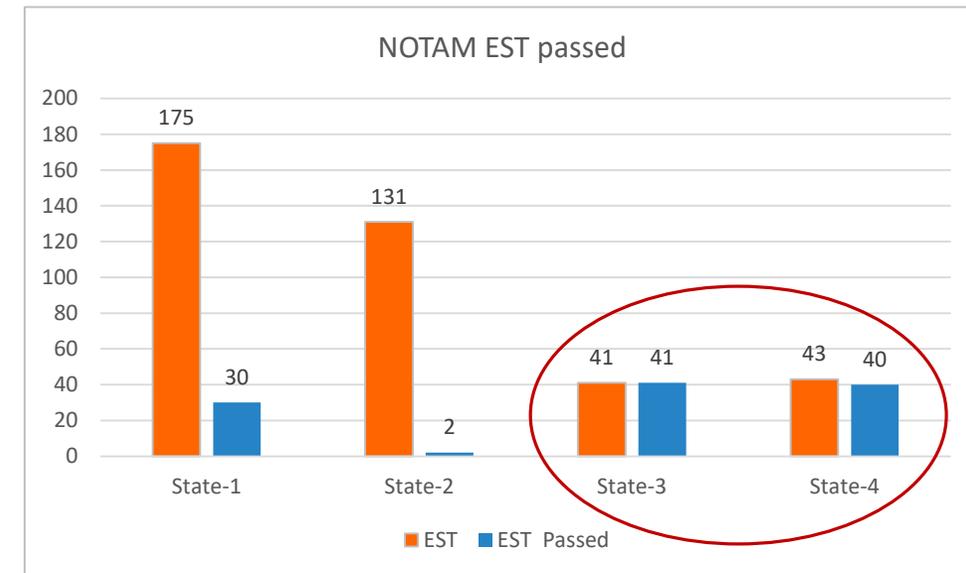
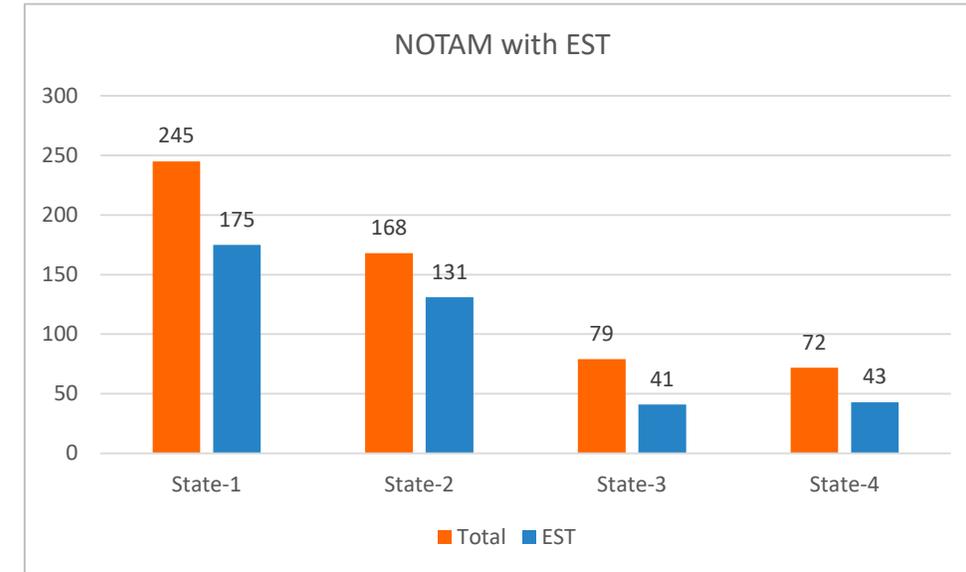
3h 59m

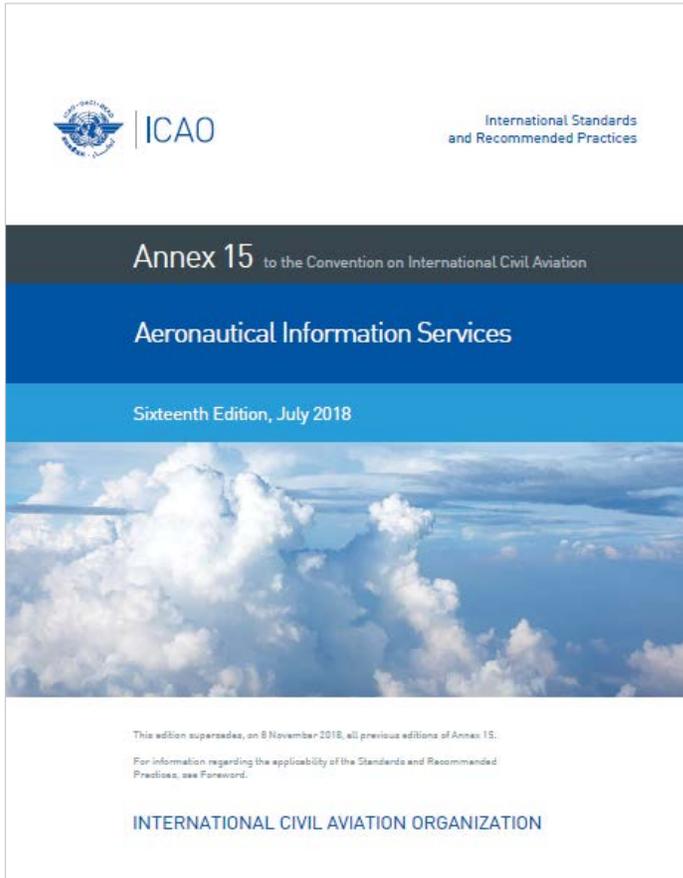
A1150/20 NOTAMR A4986/19  
 A) B) 2003180726 C) 200615**1000** EST

1h 33m

A1910/20 NOTAMR A1150/20  
 A) B) 200615**1359** C) 200911**1000** EST

A2739/20 NOTAMR A1910/20  
 A) B) 200911**1133** C) 2012091000 EST





## Annex 15 states that ...

5.2.4.2 An AIC shall not be used for information that qualifies for inclusion in AIP and NOTAM.

***Aeronautical Information Circular (AIC)***. A notice containing information that does not qualify for the origination of a NOTAM or for inclusion in the AIP, but which relates to flight safety, air navigation, technical, administrative or legislative matters.



**Old NOTAM**

A1562/16 NOTAMN

Q) /QXXXX/IV/NBO/A/000/999/0409S01519E999

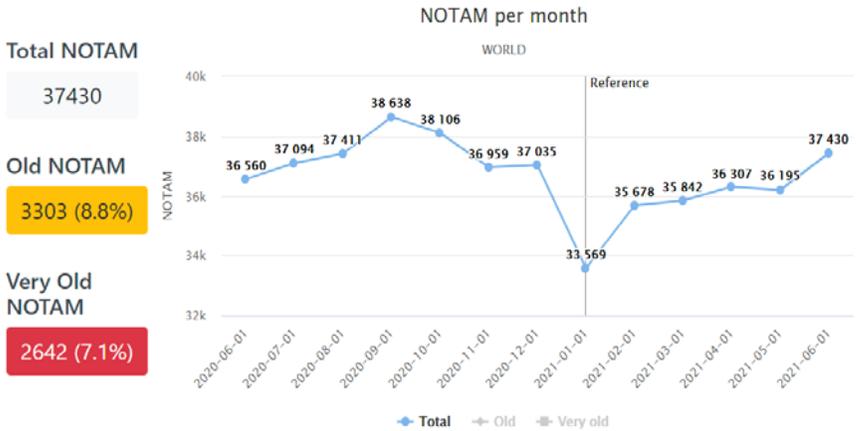
A) B) 1608081516 C) PERM

E) REF AIC 05/A/16FC OF AUG 08, 2016 THE EFFECTIVE DATE. READ: AUG 08, 2016 INSTEAD OF JUL 08, 2016

## Trend Analysis by Region

Select a region, or click **WORLD** for all:

- WORLD
- APAC
- ESAF
- EUR/NAT
- MID
- NACC
- SAM
- WACAF



**FLIGHT BRIEFING**

NOTAMS

NOTAMS

NOTAMS

NOTAMS

NOTAMS

Here's the brief we made: let's take a look.

Global Campaign on NOTAM Improvement, Phase 1: Old NOTAM, ICAO TV Webinar, 8 April 2021

We should take all possible measures to reduce NOTAM proliferation and PIB size:

A1302/20 NOTAMR A0881/20  
 Q) /QNVAS/IV/BO /AE/000/999/0532N01021E200  
 A) B) 2009080740 C) 2012052359 EST  
 E) VOR 116.5 MHZ U/S

A1303/20 NOTAMR A0879/20  
 Q) /QNDAS/IV/BO /AE/000/999/0532N01021E200  
 A) B) 2009080745 C) 2012052359 EST  
 E) DME CH112X U/S

Propose to issue a single NOTAM with Q code QNMAS.

A13XX/20 NOTAMN  
 Q) /QNMAS/IV/BO /AE/000/999/0532N01021E200  
 A) B) 2009080745 C) 2012052359 EST  
 E) VOR/DME 116.5MHZ/CH112X U/S



# THANK YOU FOR YOUR ATTENTION!