



ICAO BANGKOK

UNITING AVIATION

AAITF/15

# NOTAM Code Analysis

**Erdenebaatar Davaasuren,**

*Associate Regional Officer - Aeronautical Information Management,  
International Civil Aviation Organization (ICAO),  
Asia and Pacific Regional Office*

Bangkok, Thailand, 01-05 June 2020





## Introduction

- **Task '14/3:** Collect data on circumstances for which there is no suitable NOTAM Code, propose suitable codes, forward to ICAO HQ technical panel Secretary
- **Responsible party:** Hong Kong China, India and Secretariat
- **Time frame:** until 30 November 2019
- **Regionally collected data:** 80
- **Global data source:**
  - U.S. Defense Internet NOTAM Service
  - ICAO integrated Safety Trend Analysis and Reporting System (iSTARS)

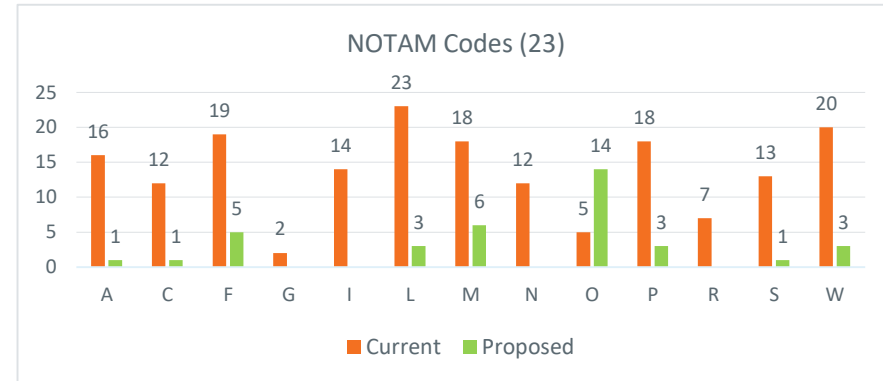
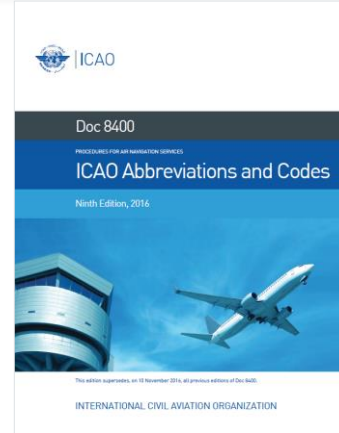
## AAITF TASK LIST





## Proposed New NOTAM Codes (Q23)

- **ATM Airspace Organization (A)**
  - AB – Dynamic bifurcation of sector
- **CNS Communications and Surveillance Facilities (C)**
  - CN – Advanced surface movement guidance and control system (ASMGCS)
- **AGA Facilities and Services (F)**
  - FK – PAX boarding bridges
  - FN – Ground handling facility
  - FQ – Clearance delivery facility
  - FR – Air traffic control
  - FV – Airport Collaborative Decision Making (ACDM)
- **AGA Lighting Facilities (L)**
  - LN – Runway guard lights
  - LO – Runway turn pad lights
  - LQ – Aircraft stand maneuvering guidance light (Specify stand)
- **AGA Movement and Landing Area (M)**
  - ME – Signage in movement area (specify area)
  - MF – New marking guidelines (specify area)
  - MI – Isolation bay
  - MJ – Taxiway centre line
  - ML – Parallel taxi
  - MV – PCN value (specify airport pavement)

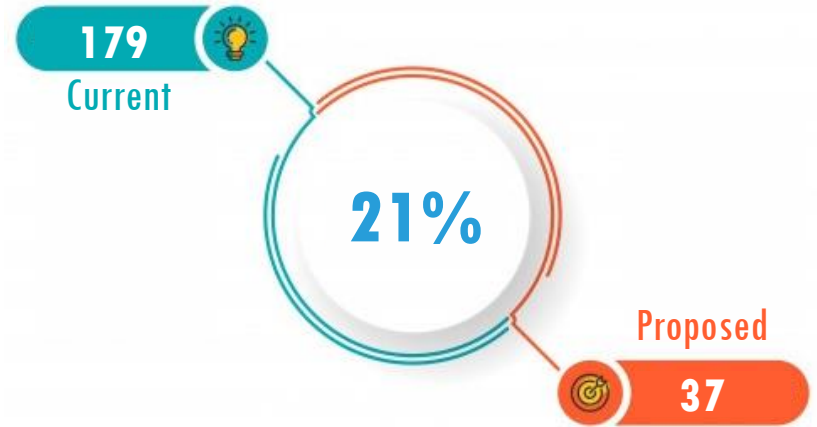




**Proposed New NOTAM Codes (Q23)**

- Other Information (O)
  - OC – Aerodrome Certificate and License
  - OD – ARR Delay
  - OD – Automation system
  - OF – Local and training flight
  - OG – Aeronautical GND LGT (specify area)
  - OH – Excavation near maneuvering area (Specify area)
  - OI – Isolation bay lights
  - OJ – RWY wing bar LGT
  - OJ – Effective date (publication/implementation/activation)
  - OS – Superimposed marking (Specify area)
  - OT – Rapid exit TWY indicator light (specify taxiway)
  - OT – Prohibition of Reduced Engine Taxi Out (RETO)
  - OW – Wild animal activity in airfield
  - OW – Activity near maneuvering area (Specify area)
- ATM Air traffic procedures (P)
  - PJ – Movement control procedure
  - PS – Continuous descend OPS procedure
  - PQ – Procedure (specify type)
- ATM Air traffic and VOLMET services (S)
  - SD – Departure clearance
- Navigation Warnings (W)
  - WK – Fireworks display
  - WN – Laser displays/searchlights
  - WY – Pyrotechnic

**Q2345**  
NOTAM CODE





## – Availability (A)

- AA – Under flight calibration
- AB – Bifurcated mode of operation available (specify condition)
- AE – Not meeting ICAO standard
- AI – Available
- AQ – Valid up to (specify date)

## – Changes (C)

- CB - Commissioned
- CV – Renamed
- CU – Superimposed marking
- CQ – Available on trial basis

## – New Series (D)

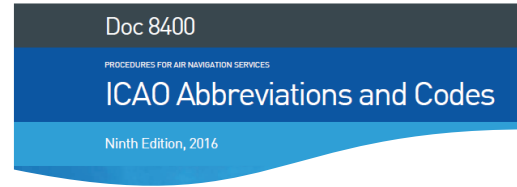
- DA – Obtain positive clearance
- DB – Carry additional holding fuel
- DC – Take clearance before planning
- DE – Exercise Caution
- DP – Plan alternate route
- DR – RAIM prediction
- DU – Use with caution

## – Limitations (L)

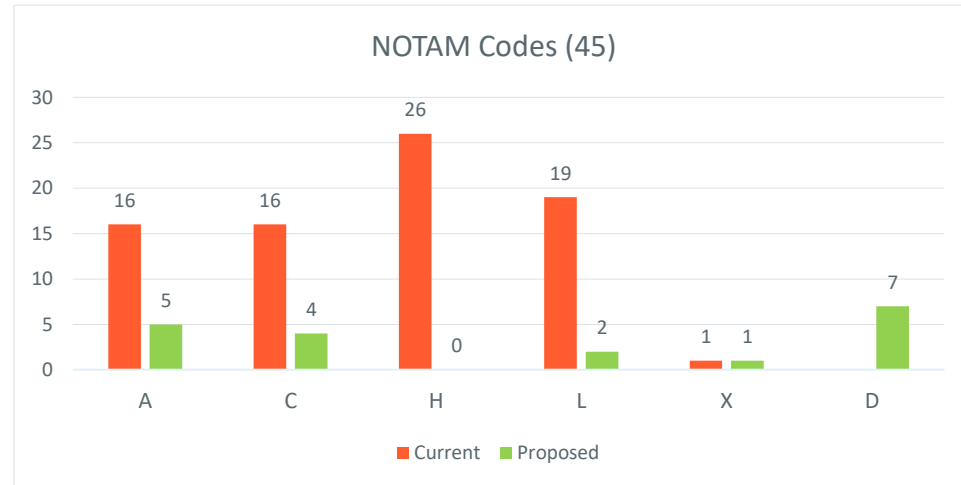
- LJ – Restricted to (specify condition)
- LZ – Traffic capacity

## – Other (XX)

- XP – Postponed



# 24%



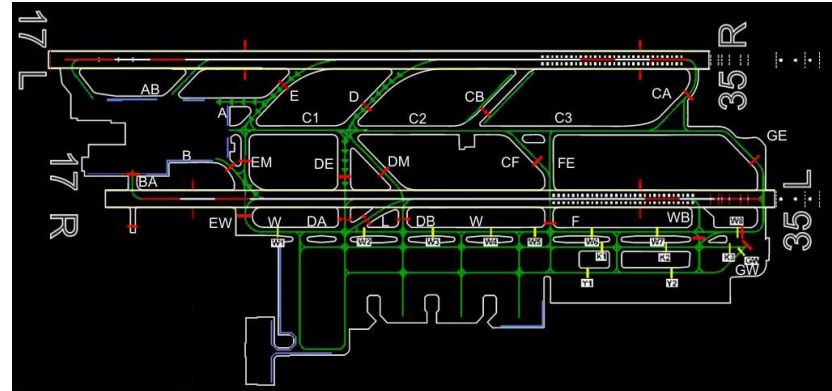
**CN**

Advanced surface movement guidance and control system (ASMGCS)

**PJ**

Movement control procedure

- Data provided by APAC States (2)
- Global data (3)
  - Common used NOTAM Codes:
    - **QFG**: Ground movement control
- RO comment:
  - **QFG** can fully cover both ASMGCS and Movement control procedure.
  - Due to low number of NOTAM and available code, this proposal should not be forwarded to ICAO HQ.





**WY**

Pyrotechnics

**WK**

Fireworks

– Data provided by APAC States **(10)**

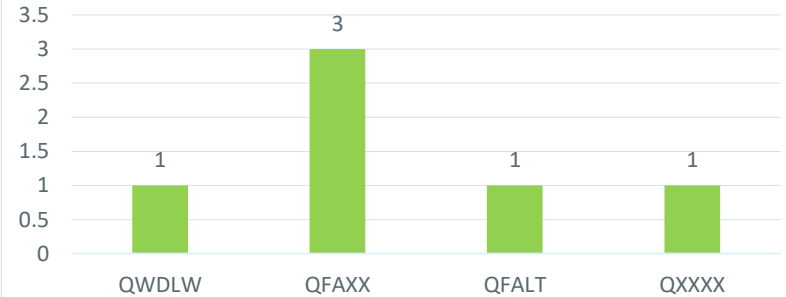
– Global data **(48)**

- Pyrotechnic(s): **6**
- Fireworks: **42**
- Common used NOTAM Codes:
  - **QWHLW**: Blasting
  - **QWDLW**: Demolition of explosives
  - **QFAXX**: Aerodrome
  - **QWMLW**: Missile, gun or rocket firing
  - **QXXXX**:

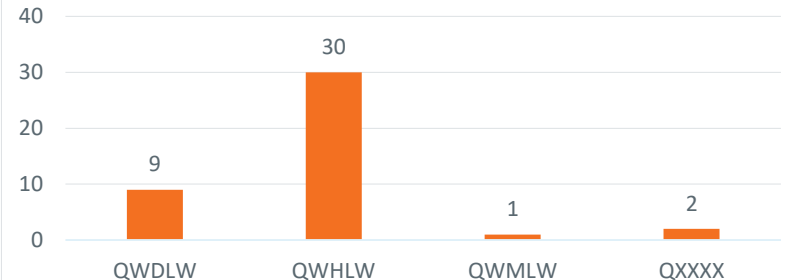
– RO comment:

- No need specific new code. NOTAM code should be amended as **'WH Blasting/pyrotechnic/fireworks'**

NOTAM Codes used for Pyrotechnic(s)



NOTAM Codes used for Fireworks



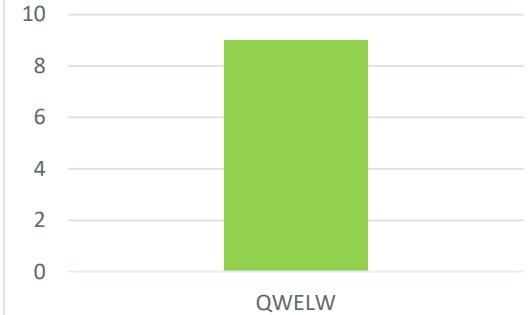


## WN

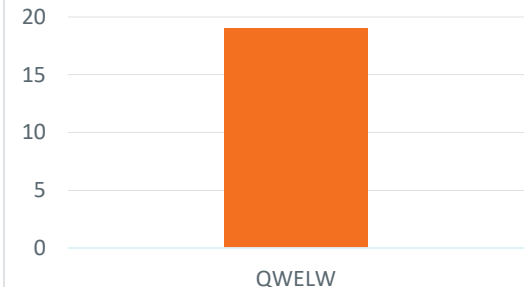
### Searchlight Display & Laser Display

- Data provided by APAC States (7)
- Global data (28)
  - Searchlight display: 9
  - Laser display: 19
  - Common used NOTAM Codes:
    - **QWELW**: Exercise (specify)
- RO comment:
  - Support to proposal of new NOTAM Code (**WN**) for both Searchlights and laser displays. As mentioned in Annex 15, 'laser emissions' should be added. New NOTAM Code:  
**WN** Laser emissions/laser displays/searchlights

NOTAM Code used for Searchlight



NOTAM Code used for laser display



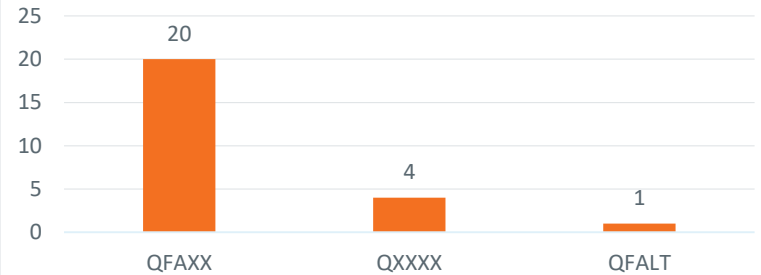


OC

Aerodrome Certificate & License

- Data provided by APAC States (2)
- Global data (28)
  - Aerodrome Certificate: 5
  - Aerodrome License: 20
  - Common used NOTAM Codes:
    - QFAXX: Aerodrome
    - QFALT: Aerodrome limited
    - QXXXX
- RO comment:
  - No need specific new code for Aerodrome certificate or license. Normally, this information published in AIP. However, due to time constraints, it can be published as a NOTAM. For 1 aerodrome 1 NOTAM per 1-3 years.

NOTAM Codes used for AD Certificate and License



A1408/19 NOTAMN  
Q) /QFAXX/IV/BO/A/000/999/  
A) B) 1912190000 C) 2112182359  
E) NAME OF AD: . . . INTERNATIONAL AIRPORT  
LOCATION INDICATOR :  
AD LICENSE NUMBER : AL/PUBLIC/017  
ISSUED BY : DIRECTOR GENERAL OF CIVIL  
AVIATION  
VALIDITY : FROM 19/12/2019 TO 18/12/2021.



**OD**

Automation System

- Data provided by APAC States (1)
- Global data (2)
  - Common used NOTAM Codes:
    - **QCA**: Air/ground facility (*specify service and frequency*)
    - **QXX**
- RO comment:
  - Due to low number of NOTAM, this proposal should not be forwarded to ICAO HQ.



**A0760/14** NOTAMN

Q) /QXXXX/IV/BO/A/000/999/  
A) B) 1410130430 C) PERM  
E) COMMISSIONING OF ATS TWR AUTOMATION SYSTEM TYPE A AIRCON2100

**A0089/13** NOTAMN

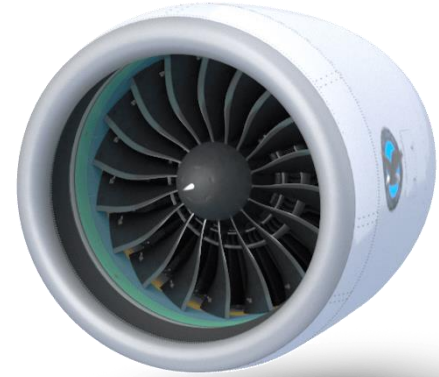
Q) /QCAXX/IV/NBO/AE/000/999/1300N08011E999  
A) B) 1301150000 C) PERM  
E) NEW ATM AUTOMATION SYSTEM OPR INDEPENDENTLY



**OT**

Prohibition of Reduced Engine Taxi Out (RETO)

- Data provided by APAC States **(3)**
- Global data **(0)**
- RO comment:
  - Need further discussion.



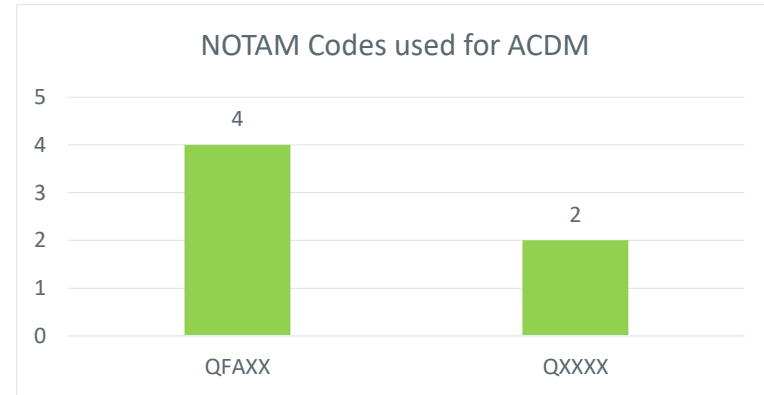
A1063/19 NOTAMN  
Q) /QXXXX/IV/NBO/AE/000/999/2219N11355E005  
A) B) 1904180102 C) 1906172359  
E) REDUCED ENG TAX OUT (RETO) IS STRICTLY  
PROHIBITED IN FOR DEP ACFT ALL ENG START  
MUST BE CMPL BFR COMMENCEMENT OF TAX OPS IN



**FV**

**Airport Collaborative Decision Making (ACDM)**

- Data provided by APAC States (1)
- Global data (6)
  - Common used NOTAM Codes:
    - **QFAXX**: Aerodrome
    - **QXXXX**
- RO comment:
  - Recommend to use QFA for ACDM instead of new NOTAM code.



A0060/20 NOTAMR A2300/19  
Q) /QXXXX/IV/BO/A/000/999/  
A) B) 2001070820 C) 2007071230 EST  
E) AIRPORT COLLABORATIVE DECISION MAKING (ACDM) TRIAL OPS WILL BE IN PLACE . . .



OW

Wild animal activity in airfield

OW

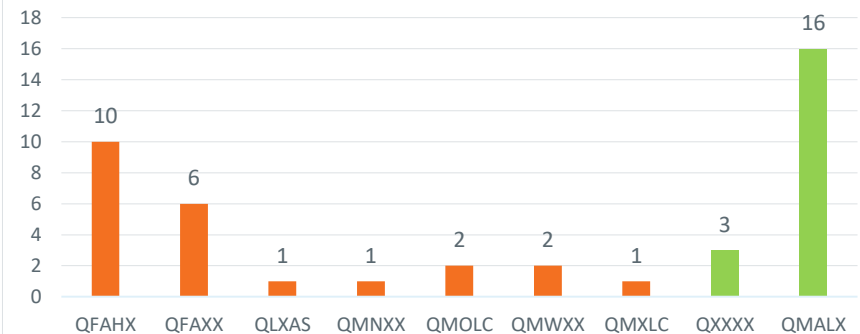
Activity near maneuvering area (specify area)

- Data provided by APAC States (2)
- Global data for manoeuvring area (42)
  - Common used NOTAM Codes:
    - QMA – Movement area
    - QFA – Aerodrome
    - QMW – Strip/shoulder
    - QXX
- RO comment:
  - Based on the ICAO definition (Annex 15) and global data, NOTAM Code QMA should be used for Manoeuvring area.

## Definition

**Movement area.** That part of an aerodrome to be used for the take-off, landing and taxiing of aircraft, consisting of the **manoeuvring area** and the **apron**

NOTAM Codes used for MANOEUVRING AREA





**OJ**

Effective date (publication/implementation/activation)

- Data provided by APAC States (1)
- Global data (4)
  - Common used NOTAM Codes:
    - **QOA** – Aeronautical Information Service
    - **QXX**
- RO comment:
  - Changing effective date via NOTAM is not appropriate way. However, it has happened few times per year. Proposal of new code should be rejected.
  - QOA – AIS can also be used for this purpose, if necessary.

G1313/19 NOTAMN

Q) /QXXXX/IV/NBO/AE///

A) B) 1911041100 C) PERM

E) REFER AIP SUPPLEMENT 169/2019 REGARDING AERODROME DATA AIRPORT. THE EFFECTIVE DATE OF AIP SUPPLEMENT IS POSTPONED TO 02 JAN 2020. AMEND AIP SUPPLEMENT 169/2019 ACCORDINGLY.

**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.

*Note 1.— The requirements for NOTAM apply when time constraints do not allow sufficient time for the distribution of an AIP Supplement.*

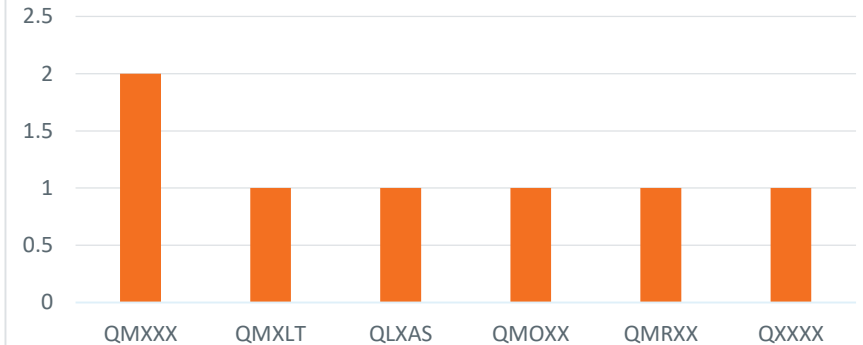
## LN

## Runway guard lights

- Data provided by APAC States (1)
- Global data (7)
  - Common used NOTAM Codes:
    - **QMX** – Taxiway
    - **QMR** – Runway
    - **QMO** – Stopbar
    - **QQXX**
- RO comment:
  - Need further discussion.



NOTAM codes used for RWY guard lights





**FK**

PAX boarding bridges

**FN**

Ground handling facility

- Data provided by APAC States (1/1)
- Global data (1/4)
  - Common used NOTAM Codes:
    - **QMPLC** PAX boarding bridge
    - **QFAXX** Ground handling service
- RO comment:
  - Few NOTAMs about PAX boarding bridge are published.
  - Only 4 NOTAMs about Ground handling service. However, it has been mentioned in 30 other NOTAMs.



ICAO

International Standards  
and Recommended Practices

Annex 15 to the Convention on International Civil Aviation

Aeronautical Information Services

Sixteenth Edition, July 2018

6.3.2.4 The following information shall not be notified by NOTAM:

- o) availability of equipment for ground units without containing information on the operational impact for airspace and facility users;
- k) limitations to airport facilities or general services with no operational impact;

**MP**

Aircraft stand (ICAO Doc 8400)

**FA**

Aerodrome (ICAO Doc 8400)



**MI**

Isolation bay

**OI**

Isolation bay lights

– Data provided by APAC States (1/1)

– Global data (4)

• Common used NOTAM Codes:

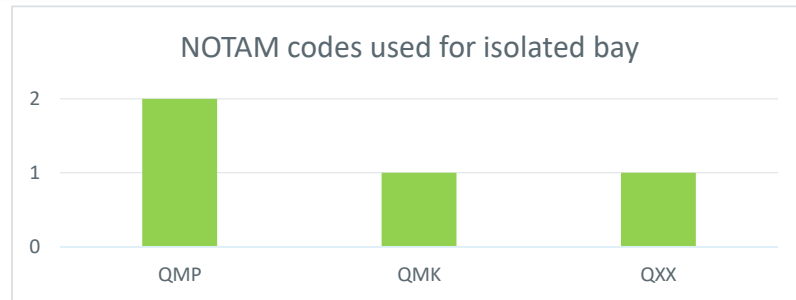
- **QMP** Aircraft stand
- **QMK** Parking area

**LQ**

Aircraft stand maneuvering guidance light  
(Specify stand)

– Data provided by APAC States (1)

– Global data (0)



**MP**

Aircraft stand (ICAO Doc 8400)

**MK**

Parking area (ICAO Doc 8400)

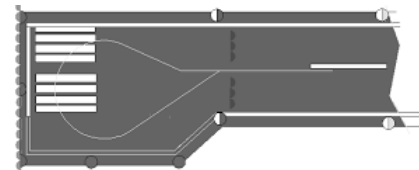
– RO comment:

- Appropriate NOTAM codes available.
- There is no specific requirement for isolated bay lights in Annex 14.

## LO

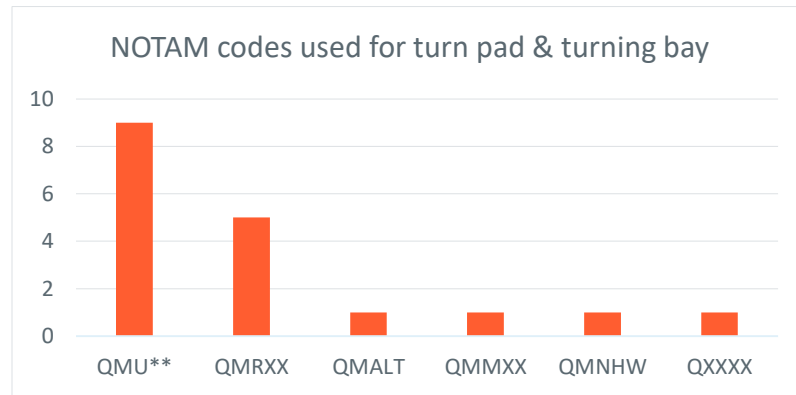
### Runway turn pad lights

- Data provided by APAC States (1)
- Global data (1)
  - Common used NOTAM Codes:
    - QXXXX
- Global data for turn pad & turning bay (18)
  - Common used NOTAM Codes:
    - QMU – Runway turning bay
    - QMR – Runway
- RO comment:
  - No need new code for runway turn pad lights due to low number of NOTAMs. **QMU** can be used.



## MU

### Runway turning bay (ICAO Doc 8400)





<b>MF</b>	New marking guidelines (specify area)
<b>ME</b>	Signage in movement area (specify area)
<b>OH</b>	Excavation near maneuvering area
<b>MV</b>	PCN value (specify airport pavement)
<b>MJ</b>	Taxiway centre line
<b>ML</b>	Parallel taxi
<b>OT</b>	Rapid exit TWY indicator light (specify taxiway)

MA	Movement area
MB	Bearing strength (specify part of landing area or movement area)
MC	Clearway (specify runway)
MD	Declared distances (specify runway)
MG	Taxiing guidance system
MH	Runway arresting gear (specify runway)
MK	Parking area
MM	Daylight markings (specify threshold, centre line, etc.)
MN	Apron
MO	Stopbar (specify taxiway)
MP	Aircraft stands (specify)
MR	Runway (specify runway)
MS	Stopway (specify runway)
MT	Threshold (specify runway)
MU	Runway turning bay (specify runway)
MW	Strip/shoulder (specify runway)
MX	Taxiway(s) (specify)
MY	Rapid exit taxiway (specify)

– RO comment:

- Appropriate NOTAM codes are available in current Doc 8400;
- The subject 'parallel taxi track' is published few times (as of 08 May only 2 times) in the APAC Region.

**SD**

Departure clearance

**FQ**

Clearance delivery facility

**FR**

Air Traffic Control

## – Global data for departure clearance (4)

- Common used NOTAM Codes:

- **QFAXX**
- **QCDXX**

## – RO comment:

- Appropriate NOTAM codes are available in current Doc 8400;

A0916/19 NOTAMR A0441/19

Q) /QXXXX/IV/BO/A/000/999/

A) B) 1907050930 C) 1910042359 EST

E) CLEARANCE DELIVERY FAC AT TOWER WITH FREQ  
121.625MHZ IS OPERATING ON TEST BASIS

ATM

Air traffic and VOLMET services (S)

SA	Automatic terminal information service
SB	ATS reporting office
SC	Area control centre
SE	Flight information service
SF	Aerodrome flight information service
SL	Flow control centre
SO	Oceanic area control centre
SP	Approach control service
SS	Flight service station
ST	Aerodrome control tower
SU	Upper area control centre
SV	VOLMET broadcast
SY	Upper advisory service ( <i>specify</i> )

**OG**

Aeronautical GND LGT (specify area)

**OJ**

RWY wing bar LGT

**OS**

Superimposed marking (Specify area)

A2041/19 NOTAMN

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

A) B) 1909181230 C) 1912050530

E) AERONAUTICAL GND LIGHTS FOR NEW SOUTH RWY IN TESTING PHASE. PILOTS EXER CTN.

**– RO comment:**

- Currently 23 NOTAM codes for Lighting facilities (L).
- LR can be used for other lighting facilities.
- ‘Superimposed marking’ proposed for both Q23\*\* and Q\*\*45. It will be discussed later.

**NOTAM Codes Doc 8400**

AGA

Lighting facilities (L)

LA	Approach lighting system ( <i>specify runway and type</i> )
LB	Aerodrome beacon
LC	Runway centre line lights ( <i>specify runway</i> )
LD	Landing direction indicator lights
LE	Runway edge lights ( <i>specify runway</i> )
LF	Sequenced flashing lights ( <i>specify runway</i> )
LG	Pilot-controlled lighting
LH	High intensity runway lights ( <i>specify runway</i> )
LI	Runway end identifier lights ( <i>specify runway</i> )
LJ	Runway alignment indicator lights ( <i>specify runway</i> )
LK	Category II components of approach lighting system ( <i>specify runway</i> )
LL	Low intensity runway lights ( <i>specify runway</i> )
LM	Medium intensity runway lights ( <i>specify runway</i> )
LP	Precision approach path indicator ( <i>specify runway</i> )
LR	All landing area lighting facilities
LS	Stopway lights ( <i>specify runway</i> )
LT	Threshold lights ( <i>specify runway</i> )
LU	Helicopter approach path indicator
LV	Visual approach slope indicator system ( <i>specify type and runway</i> )
LW	Heliport lighting
LX	Taxiway centre line lights ( <i>specify taxiway</i> )
LY	Taxiway edge lights ( <i>specify taxiway</i> )
LZ	Runway touchdown zone lights ( <i>specify runway</i> )



**OD**

Arrival delay

– RO comment:

- Need further discussion.

**OF**

Local and training flight

– RO comment:

- NOTAM Code WE should be used for this purpose.

A0491/19 NOTAMN

Q) /QXXXX/IV/NBO/A /000/999/2219N11355E005

A) B) 1902270530 C) 1902270800

E) ARRIVING TRAFFIC FOR

INTERNATIONAL AIRPORT ARE TO EXPECT UP TO 25 MINUTES DLA DUE TO WINDSHEAR ON FINAL APPROACH.



**WE**

Exercises (specify) (ICAO Doc 8400)



<b>AB</b>	Dynamic bifurcation of sector
<b>PS</b>	Continuous descend OPS procedure
<b>PQ</b>	Procedure (specify type)

A2024/19 NOTAMR A1376/19  
 Q) /QXXXX/IV/BO/A/000/999/  
 A) B) 1909160825 C) 1912161230 EST  
 E) THE FLW PROC WILL BE APPLICABLE ON TRIAL BASIS  
 FOR ASSESSMENT AND TO FACILITATE FUTURE  
 IMPLEMENTATION OF MODE-S ELEMENTARY  
 SURVEILLANCE/ENHANCED SURVEILLANCE AIRSPACE . . .

**NOTAM Codes Doc 8400**

ATM	Air traffic procedures (P)
PA	Standard instrument arrival ( <i>specify route designator</i> )
PB	Standard VFR arrival
PC	Contingency procedures
PD	Standard instrument departure ( <i>specify route designator</i> )
PE	Standard VFR departure
PF	Flow control procedure
PH	Holding procedure
PI	Instrument approach procedure ( <i>specify type and runway</i> )
PK	VFR approach procedure
PL	Flight plan processing, filing and related contingency
PM	Aerodrome operating minima ( <i>specify procedure and amended minimum</i> )
PN	Noise operating restrictions
PO	Obstacle clearance altitude and height ( <i>specify procedure</i> )
PR	Radio failure procedure
PT	Transition altitude or transition level ( <i>specify</i> )
PU	Missed approach procedure ( <i>specify runway</i> )
PX	Minimum holding altitude ( <i>specify fix</i> )
PZ	ADIZ procedure

– RO comment:

- Not familiar with dynamic bifurcation of sector.
- Currently 18 NOTAM codes for Air traffic procedure (P).
- PQ vs 18 NOTAM codes for procedures
- Need further discussion.



**AA**

Under flight calibration

**QICAA**

- Data provided by APAC States (1)
- Global data (4)
  - Common used NOTAM Codes:
    - **AG** Operating but ground checked only, awaiting flight check
    - **XX**
- RO comment:
  - 2 possible NOTAM codes are existing in Doc 8400
  - Selection of codes is depending on subject status (whether subject is used for flight operation or not)

A0994/19 NOTAMN  
Q) /QICXX/I/BO/A/000/999/  
A) B) 1907250600 C) 1907250800  
E) ILS RWY27 UNDER FLT CLBR

**AG**

Operating but ground checked only, awaiting flight check (ICAO Doc 8400)

**CT**

On test, do not use (ICAO Doc 8400)



**CB**

Commissioned

**QNMCB**

VOR/DME COMMISSIONED

G0002/20 NOTAMN

Q) /QNMXX/IV/BO/E/000/999/

A) B) 2002270000 C) PERM

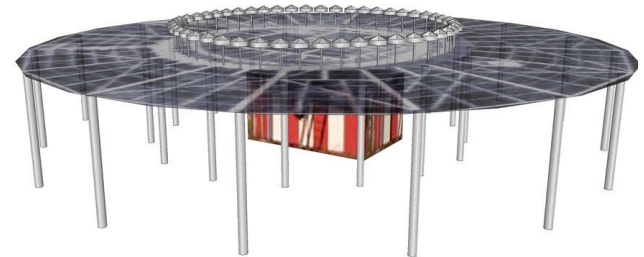
E) DVOR AND DME COMMISSIONED AT SIKANDRABAD WITH  
FLW DETAILS:

**CS**

Installed (ICAO Doc 8400)

– RO comment:

- Recommend to use CS for this purpose.
- Text can be modified. For example: commissioned, established etc.,



**CV**

Renamed

TWY B, C RENAMED AS TWY B2, C5 RESPECTIVELY

**VS**

TWY B, C CHANGED TO TWY B2, C5 RESPECTIVELY

**CH**

Changed (ICAO Doc 8400)

– RO comment:

- Recommend to use CH for this purpose.
- No significant difference between rename and change.

**CQ**

Available on trial basis

A2041/19 NOTAMN

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

A) B) 1909181230 C) 1912050530

E) AERONAUTICAL GND LIGHTS FOR NEW SOUTH RWY  
AVBL ON TRIAL BASIS. PILOTS EXER CTN.

– RO comment:

- ‘Available on trial basis’ should be part of Availability, thus code should be started by letter ‘A’
- Need further discussion.

**LZ**

Traffic capacity

A1692/19 NOTAMR A0974/19

Q) /QMRXX/IV/NBO/A/000/999/

A) B) 1908021036 C) 1909301030 EST

E) RWY CAPACITY:

MAX NUMBER OF ARR AND DEP-40

MAX NUMBER OF ARR ONLY-27

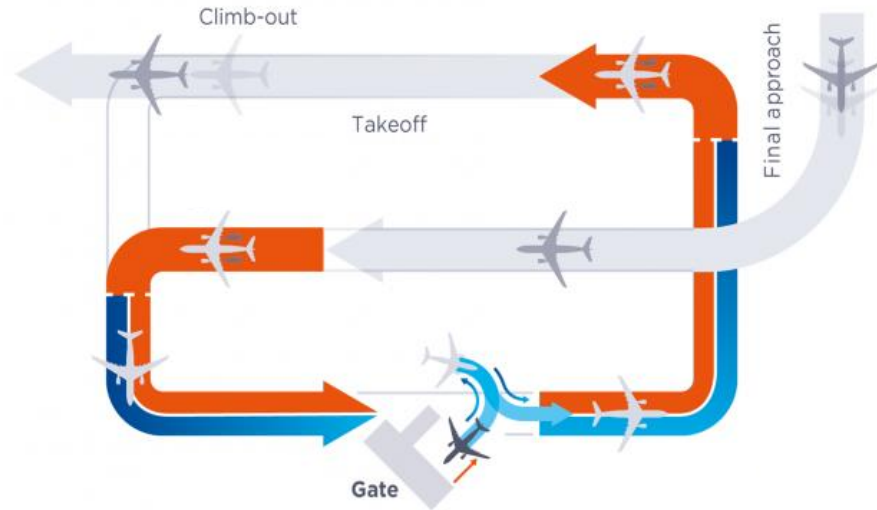
MAX NUMBER OF DEP ONLY-27

**– RO comment:**

- NOTAM Code '**LT – limited to**' should be used for this kind of information. No need specific new NOTAM Code.

**LT**

Limited to (ICAO Doc 8400)



CU

## Superimposed marking

A0810/19 NOTAMN

Q) /QMPXX/IV/BO /A /000/999/2649N07548E005

A) B) 1907251230 C) 1910312359 EST

E) SUPERIMPOSED MARKING FOR BAY NR 15A FOR B747 AND 16A FOR A321 IS PROVIDED. PILOTS TO EXER CTN WHILE PARKING ON 15, 15A, 16 AND 16A.)

A1238/19 NOTAMR A0810/19

Q) /QMPXX/IV/BO/A/000/999/

A) B) 1911081245 C) 1912312359 EST

E) SUPERIMPOSED MARKING FOR BAY NR 15A FOR B747 AND 16A FOR A321 IS PROVIDED. PILOTS TO EXER CTN WHILE PARKING ON 15, 15A, 16 AND 16A.

## – RO comment:

- Operational impact?
- This information used for . . . (what/who)
- Validity of information was about 5 months.



**XP**

Postponed

**QOJXP**

THE EFFECTIVE DATE OF AIP SUPPLEMENT IS POSTPONED

G1313/19 NOTAMN

Q) /QXXXX/IV/NBO/AE///

A) B) 1911041100 C) PERM

E) REFER AIP SUPPLEMENT 169/2019 REGARDING  
AERODROME DATA AIRPORT. THE EFFECTIVE  
DATE OF AIP SUPPLEMENT IS POSTPONED TO 02 JAN 2020.

B0328/17 NOTAMN

Q) /QAFXX/IV/NBO/E /000/999/1216N12435E999

A) B) 1701270649 C) PERM

E) AIRAC AIP AMDT 061/16 WEF 02 FEB 17 CHANGED  
TO 02 MAR 17

– RO comment:

- This proposal linked with AIP Supplement effective date and discussed early.
- New code will support to non-standardized product and services.

**AIRAC**  
**AIP AMDT 061/16**

Effective date: 02 Feb 2017

Publication date: 09 Dec 2016



<b>AE</b>	Not meeting ICAO Standard	<b>QMJAE</b>	TWY CENTRE LINE NOT MEETING ICAO STD
<b>AQ</b>	Valid up to (specify date)	<b>QOCAQ</b>	AD LICENSE/CERTIFICATE VALID UP TO
<b>AI</b>	Available	<b>QFNAR</b>	GROUND HANDLING FACILITY AVAILABLE

– RO comment:

- How many NOTAMs about not meeting ICAO Standard are published per year?
- 'valid up to' is used to almost only for aerodrome certificate. This information is published in AIP AD 1.5. However, due to time constraints, this information can be published by NOTAM. So usage is quite low.
- Normally, handling services and facilities are published in the AIP AD 2.4. Moreover, normal conditions are not published by NOTAM. Only negative conditions are published by NOTAM such as closed, not available, available on request etc.,



<b>DA</b>	Obtain positive clearance
<b>DB</b>	Carry additional holding fuel
<b>DC</b>	Take clearance before planning
<b>DE</b>	Exercise Caution
<b>DP</b>	Plan alternate route
<b>DR</b>	RAIM prediction
<b>DU</b>	Use with caution



## Annex 15 to the Convention on International Civil Aviation

## Aeronautical Information Services

Sixteenth Edition, July 2018

**NOTAM.** 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.

- RO comment:
  - Need further discussion.



## Summary:

### – Following proposals should be forwarded to ICAO HQ:

- **WH** – Blasting/pyrotechnic/fireworks
- **WN** – Laser emissions/laser displays/searchlights
- **DR** – RAIM prediction (change DR if necessary)

### – Proposals need further discussion:

- AB - Dynamic bifurcation of sector
- LN – Runway guard lights
- OD – Arrival delay
- OT – Prohibition of Reduced Engine Taxi Out (RETO)
- AB – Bifurcated mode of operation available (specify condition)
- CQ – Available on trial basis
- DA – Obtain positive clearance
- DB – Carry additional holding fuel
- DC – Take clearance before planning
- DE – Exercise Caution
- DP – Plan alternate route
- DU – Use with caution





ICAO BANGKOK

UNITING AVIATION



ICAO

North American  
Central American  
and Caribbean  
(NACC) Office  
Mexico City

South American  
(SAM) Office  
Lima

ICAO  
Headquarters  
Montréal

Western and  
Central African  
(WACAF) Office  
Dakar

European and  
North Atlantic  
(EUR/NAT) Office  
Paris

Middle East  
(MID) Office  
Cairo

Eastern and  
Southern African  
(ESAF) Office  
Nairobi

Asia and Pacific  
(APAC) Sub-office  
Beijing

Asia and Pacific  
(APAC) Office  
Bangkok



THANK YOU