

# **NOTAM DATA QUALITY REQUIREMENTS FOR CIVIL AVIATION SAFETY AUTHORITY (CASA)**

# ATS Document Change Summary

Document name	Document number
NOTAM Data Quality Requirements for Civil Aviation Safety Authority (CASA)	C-MAN0280

**Quality assurance (QA) review - refer [ANS Group ATS Documentation Procedures \(ATS-PROC-0039\)](#)**

Has the entire document been QA reviewed?

**Yes**

Location of change	Change description
Throughout	<ul style="list-style-type: none"> <li>Minor grammatical corrections</li> <li>Expanded titles for CASR Part 175 – Aeronautical Information Management (and subsections where relevant),</li> <li>Expanded titles for ICAO documents 10066 – PANS-AIM and Annex 15 – Aeronautical Information Services</li> <li>Expanded titles for Designated Airspace Handbook (DAH), En Route Supplement Australia (ERSA), Departure and Approach Procedures (DAP) and relevant AIP sections</li> </ul>
3	NOTAM definition changed from Doc 8126 – Aeronautical Information Services Manual to Doc 10066 – Procedures for Air Navigation Services – Aeronautical Information Management (PANS-AIM)
3.1, 4.1, 4.2, 4.3, 5.2, 6, 6.3, 6.4, 7.5, 7.7, 7.7.3, 8.2, 8.3, 10.4, 10.9	Minor amendments for clarity
3.2	Removal of redundant criteria
3.3	Inclusion of 'is not of direct operational significance'
3.4	Section removed
6.2	Removal of incorrect information
7.1	Amended to reflect the correct terminology required for NOTAM regarding on the status of the affected facility i.e., CLOSED, NOT AVBL and U/S
7.7.1	Section rewritten to reflect time format as per Doc 8126
7.7.2	New section describing difference between an 'active' NOTAM and a 'valid' NOTAM
7.7.3	Section rewritten to align with current procedures
7.7.4	Removed reference to Daylight Savings Time NOTAM – no longer promulgated
8	Inclusion of NOTAM type examples
9.1.2	Amended to reflect current practices regarding NOTAM promulgation for uncertified aerodromes
9.2	Section rewritten

9.3	Removal of redundant information regarding uncertified aerodromes
9.4, 9.5	<ul style="list-style-type: none"><li>• Amended heading titles</li><li>• Amended formatting for improved readability</li></ul>
10	<ul style="list-style-type: none"><li>• Section rewritten</li><li>• Inclusion of link to NOTAM Web Service User Guide for assistance promulgating NOTAM via the NWS</li></ul>
10.5	Included note to include NOTAM number for NOTAMR and NOTAMC
10.7	Amended to align with Item B) requirements per ICAO Doc 8126 – Aeronautical Information Services Manual
10.8	Amended to align with Item C) requirements per ICAO Doc 8126 – Aeronautical Information Services Manual
10.10	<ul style="list-style-type: none"><li>• Amended to align with Item D) requirements per ICAO Doc 8126 – Aeronautical Information Services Manual</li><li>• Additional example included for combination of various days of the week</li></ul>
10.11	Amended to align with Item E) requirements per ICAO Doc 8126 – Aeronautical Information Services Manual
10.12	<ul style="list-style-type: none"><li>• Amended to align with Item F) and Item G) requirements per ICAO Doc 8126 – Aeronautical Information Services Manual</li><li>• Inclusion of requirement for heights for obstacle and obstacle lights</li></ul>
11	Updated examples for both NOTAM formats presented on NIS
12.1	Inclusion of table displaying the most common NOTAM subject and status
12.3	Removal of aerodrome facilities – can be found in C-MAN0276
12.4	New example included for aerodrome certification
12.5	Examples amended to include status ‘WILL TAKE PLACE’
12.6	<ul style="list-style-type: none"><li>• Updated to include table describing NOTAM text regarding RPAS type</li><li>• Amended wording for NOTAM examples</li></ul>
12.8	Examples amended to include status ‘WILL TAKE PLACE’



# **NOTAM Data Quality Requirements for Civil Aviation Safety Authority (CASA)**

**C-MAN0280**

**Version 6**

**Effective 12 September 2022**

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## Change summary

Version	Date	Change description
6	12 September 2022	Nil change bars applied due to extent of changes

## Table of contents

<b>1</b>	<b>Purpose.....</b>	<b>4</b>
<b>2</b>	<b>NOTAM Office contact details .....</b>	<b>4</b>
2.1	Advice of errors.....	4
2.2	Email, telephone, and fax .....	4
2.3	Mailing address.....	4
<b>3</b>	<b>NOTAM issuance .....</b>	<b>5</b>
3.1	NOTAM promulgation criteria .....	5
3.2	Non-NOTAMable circumstances .....	7
3.3	Information not to be included in NOTAM .....	7
<b>4</b>	<b>Aeronautical Information Regulation and Control .....</b>	<b>8</b>
4.1	Permanent Changes .....	8
4.2	Permanent NOTAM .....	8
4.3	Permanent NOTAM and Requests for Change (RFC) .....	9
<b>5</b>	<b>NOTAM originators .....</b>	<b>9</b>
5.1	NOTAM Authorised Persons .....	9
5.2	NOTAM Authorised Persons verification .....	9
<b>6</b>	<b>Requesting a NOTAM .....</b>	<b>9</b>
6.1	Notification times.....	10
6.2	Verifying information .....	10
6.3	Checking NOTAM.....	10
6.4	NOTAM duplication or confliction .....	10
<b>7</b>	<b>NOTAM conventions .....</b>	<b>11</b>
7.1	Facility availability .....	11
7.2	Abbreviations .....	11
7.3	Latitude and longitude .....	11
7.4	Units of measurement.....	12
7.5	Cross referencing.....	12
7.6	Distribution criteria .....	12
7.7	Timing Conventions .....	13
<b>8</b>	<b>NOTAM types .....</b>	<b>14</b>
8.1	NOTAMN .....	14
8.2	NOTAMR .....	14
8.3	NOTAMC .....	15
8.4	Determining NOTAM type.....	15
<b>9</b>	<b>NOTAM locations .....</b>	<b>16</b>

9.1	Aerodromes .....	16
9.2	Temporary Restricted or Danger Area .....	17
9.3	FIR (YBBB or YMMM) .....	17
9.4	Dual FIR (YMMM/YBBB) .....	18
9.5	Multiple FIR (YMMM and YBBB) .....	18
<b>10</b>	<b>NOTAM request form.....</b>	<b>18</b>
10.1	Mandatory fields .....	18
10.2	Group name .....	18
10.3	Contact details .....	19
10.4	NOTAM summary (NWS only) .....	19
10.5	NOTAM type (form only).....	19
10.6	Item A) – location .....	19
10.7	Item B) – start period .....	19
10.8	Item C) – end period .....	20
10.9	Item C) – estimated end period .....	20
10.10	Item D) – activation times .....	20
10.11	Item E) – NOTAM text .....	21
10.12	Item F) – lower limit and Item G) – upper limit .....	21
<b>11</b>	<b>NOTAM format.....</b>	<b>22</b>
11.1	ICAO format .....	22
11.2	Briefing format.....	22
<b>12</b>	<b>NOTAM examples .....</b>	<b>23</b>
12.1	NOTAM subject and status.....	23
12.2	Permanent NOTAM format .....	24
12.3	Aerodrome facilities .....	24
12.4	Aerodrome certification.....	24
12.5	Navigation warnings .....	24
12.6	Unmanned aircraft NOTAM .....	26
12.7	Temporary restricted or danger area NOTAM.....	29
12.8	Sports Aviation (SPA) .....	30
<b>13</b>	<b>Definitions .....</b>	<b>32</b>
<b>Appendix A Time conversion chart.....</b>		<b>34</b>

# 1 Purpose

The purpose of this document is to establish the aeronautical data and information exchange protocols between *NOTAM Authorised Persons* and the *NOTAM Office (NOF)* for the issuance, replacement, and cancellation of NOTAM, as part of the Integrated Aeronautical Information Package (IAIP).

This document forms part of the *Data Product Specification (DPS)* that Airservices must provide to all *Aeronautical Data Originators (ADO)* under *CASR Part 175 – Aeronautical Information Management* and is designed to assist NOTAM Authorised Persons to provide aeronautical data and information that is published via NOTAM in a controlled and standardised manner.

## 2 NOTAM Office contact details

### 2.1 Advice of errors

Notify the NOTAM Office of corrections or suggestions to this specification via email to: [nof@airservicesaustralia.com](mailto:nof@airservicesaustralia.com).

### 2.2 Email, telephone, and fax

Email (preferred): [nof@airservicesaustralia.com](mailto:nof@airservicesaustralia.com)

Telephone: 02 6268 5063

Fax: 02 6268 5044

### 2.3 Mailing address

ATTN: NOTAM Office

Airservices Australia Network Coordination Centre

GPO BOX 367

Canberra ACT 2061

### 3 NOTAM issuance

As per ICAO Doc 10066 – Procedures for Air Navigation Services Aeronautical Information Management (PANS-AIM) and ICAO Annex 15 – Aeronautical Information Services, a NOTAM is *a notice distributed by means of telecommunications 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.*

NOTAM should be originated, issued, and distributed promptly when:

- information is of a temporary nature, unplanned and of short duration
- operationally significant permanent changes, or temporary changes of long duration, are made at short notice.

Information that is of short duration, but which contains extensive text and/or graphics, is to be published as an AIP Supplement (AIP SUP).

As per *CASR Part 175.B Aeronautical Information Management – AIS Providers*, the NOTAM Office is required to promulgate NOTAM on behalf of Aeronautical Data Originators in the following circumstances:

- the request meets any of the circumstances mentioned in *Annex 15 – Aeronautical Information Services* (refer [3.1 NOTAM promulgation criteria](#))
- it is required by Australian law
- it is deemed necessary in the interest of aviation safety.

#### 3.1 NOTAM promulgation criteria

As per *Annex 15 – Aeronautical Information Services*, NOTAM should be originated and issued when concerning the following information:

- establishment, closure, or significant changes in operation of aerodrome(s) or heliport(s) or runways
- establishment, withdrawal, or significant changes in operation of aeronautical services (aerodromes, AIS, ATS, CNS, MET, SAR, etc.)
- establishment, withdrawal, or significant changes in operational capability of radio navigation and air-ground communication services. This includes: interruption or return to operation, change of frequencies, change in notified hours of service, change of identification, change of orientation (directional aids), change of location, power increase or decrease amounting to 50 per cent or more, change in broadcast schedules or contents, or irregularity or unreliability of operation of any radio navigation and air-ground communication services or limitations of relay stations including operational impact, affected service, frequency and area
- unavailability of back-up and secondary systems, having a direct operational impact
- establishment, withdrawal, or significant changes to visual aids
- interruption of or return to operation of major components of aerodrome lighting systems
- establishment, withdrawal, or significant changes to procedures for air navigation services



- occurrence or correction of major defects or impediments in the manoeuvring area
- changes to and limitations on availability of fuel, oil, and oxygen
- major changes to search and rescue facilities and services available
- establishment, withdrawal or return to operation of hazard beacons marking obstacles to air navigation
- changes in regulations requiring immediate action, e.g., prohibited areas for SAR action
- presence of hazards not otherwise promulgated, which affect air navigation (including obstacles, military exercises and operations, intentional and unintentional radio frequency interferences, rocket launches, displays, fireworks, sky lanterns, rocket debris, races, and major parachuting events)
- conflict zones which affect air navigation (to include information that is as specific as possible regarding the nature and extent of threats of that conflict and its consequences for civil aviation)
- planned laser emissions, laser displays and search lights if pilots' night vision is likely to be impaired
- erecting or removal of, or changes to, obstacles to air navigation in the take-off/climb, missed approach, approach areas and runway strip
- establishment or discontinuance (including activation or deactivation) as applicable, or changes in the status of prohibited, restricted or danger areas
- establishment or discontinuance of areas or routes or portions thereof where the possibility of interception exists and where the maintenance of guard on the VHF emergency frequency 121.5 MHz is required
- allocation, cancellation or change of location indicators
- changes in aerodrome/heliport rescue and firefighting category provided (see *Annex 14 – Aerodromes Volume I (Design and operations)*)
- presence or removal of, or significant changes in, hazardous conditions due to snow, slush, ice, radioactive material, toxic chemicals, volcanic ash deposition or water on the movement area
- outbreaks of epidemics necessitating changes in notified requirements for inoculations and quarantine measures
- observations or forecasts of space weather phenomena, the date and time of their occurrence, the flight levels where provided and portions of the airspace which may be affected by the phenomena
- release into the atmosphere of radioactive materials or toxic chemicals following a nuclear or chemical incident, the location, date and time of the incident, the flight levels and routes or portions thereof which could be affected and the direction of movement
- establishment of operations of humanitarian relief missions, such as those undertaken under the auspices of the United Nations, together with procedures and/or limitations which affect air navigation
- implementation of short-term contingency measures in cases of disruption, or partial disruption, of ATS and related supporting services.

## 3.2 Non-NOTAMable circumstances

As per *Annex 15 – Aeronautical Information Services*, the following information shall not be notified by NOTAM:

- routine maintenance work on aprons and taxiways which does not affect the safe movement of aircraft
- runway marking work, when aircraft operations can safely be conducted on other available runways, or the equipment used can be removed when necessary
- temporary obstructions in the vicinity of aerodromes/heliports that do not affect the safe operation of aircraft
- partial failure of aerodrome/heliport lighting facilities where such failure does not directly affect aircraft operations
- partial temporary failure of air-ground communications when suitable alternative frequencies are known to be available and are operative
- the lack of apron marshalling services and road traffic control
- the unserviceability of location, destination, or other instruction signs on the aerodrome movement area
- training activities by ground units
- unavailability of back-up and secondary systems if these do not have an operational impact
- limitations to airport facilities or general services with no operational impact
- national regulations not affecting general aviation
- announcement or warnings about possible/potential limitations, without any operational impact
- general reminders on already published information
- availability of equipment for ground units without containing information on the operational impact for airspace and facility users
- information about laser emissions without any operational impact and fireworks below minimum flying heights
- closure of movement area parts in connection with planned work locally coordinated of duration of less than one hour
- closure or unavailability of, or changes in, operation of aerodrome(s)/heliport(s) outside the aerodrome(s)/heliport(s) operational hours
- other non-operational information of a similarly temporary nature.

## 3.3 Information not to be included in NOTAM

A NOTAM should not contain information that:

- relates to an aerodrome or heliport and its vicinity, but does not affect its operational status
- is not of direct operational significance
- does not impact the safe operation of aircraft
- is not likely to influence a pilot or operators' decision to divert a flight.

## 4 Aeronautical Information Regulation and Control

As specified in the Data Product Specification, aeronautical data and information is managed and published in a controlled manner through the internationally adopted Aeronautical Information Regulation and Control (AIRAC) system to determine a series of common dates and associated publication procedures for effective coordination of amendments.

Airservices utilises a quarterly amendment calendar for the updating and production of the IAIP and aeronautical chart products. This requires that aeronautical data and information is submitted to Airservices in a timely manner to ensure that changes can be processed and published in the appropriate products for the required effective date.

Cut-off dates for the submission of data or information for each production cycle can be found at the following link: <https://www.airservicesaustralia.com/about-us/our-services/aeronautical-information-management/document-amendment-calendar/>.

### 4.1 Permanent Changes

As per *ICAO Doc 8126 – Aeronautical Information Services Manual*, operationally significant changes to published aeronautical information and data are to be made using the AIRAC system.

Permanent changes that are deemed to be operationally significant must be published as an AIRAC AIP amendment (either as a permanent NOTAM or AIP SUP).

Permanent changes that are not considered to be significant to flight operations are to be processed as an AIP amendment only, which is published on the next available AIRAC date, and is not subject to NOTAM promulgation.

### 4.2 Permanent NOTAM

When information to be disseminated is of permanent nature and is considered operationally significant (refer [3.1 NOTAM promulgation criteria](#)), the AIP Responsible Person should issue a permanent (PERM) NOTAM to notify industry that the content is to be incorporated into the IAIP.

PERM NOTAM must only be requested by the AIP Responsible Person or AIP Nominee for the listed Subject Owner (refer to the [Data Originators Custodians](#) document and the Data Product Specification issued to your organisation).

PERM NOTAM will remain valid until it is incorporated into the appropriate documentation, after which it will be cancelled by the NOTAM Office. No further notification from the originator is required.

PERM NOTAM should not be issued with an immediate start time (exceptions apply, such as unanticipated/unavoidable circumstances) and should instead provide sufficient notification to industry (refer [6.1 Notification times](#)).

For further guidance on the issuance of permanent NOTAM, refer to the [Data Originators Custodians](#) document or contact the NOTAM Office.

## 4.3 Permanent NOTAM and Requests for Change (RFC)

As per the Data Product Specification, Airservices AIS cannot initiate a work package to amend the IAIP based on a permanent NOTAM.

To initiate the change to published aeronautical information and data in the IAIP, the AIP Responsible Person or AIP Nominee must submit a Request for Change (RFC) to Airservices AIS to [docs.amend@airservicesaustralia.com](mailto:docs.amend@airservicesaustralia.com), and a separate PERM NOTAM request submitted to the NOTAM Office.

# 5 NOTAM originators

## 5.1 NOTAM Authorised Persons

NOTAM which meets the criteria specified in [3.1. NOTAM promulgation criteria](#) may be requested by a NOTAM Authorised Person.

NOTAM that permanently amends aeronautical data or information published in the IAIP may only be requested by the AIP Responsible Person or AIP Nominee (refer [4.2 Permanent NOTAM](#)).

## 5.2 NOTAM Authorised Persons verification

NAIPS Internet Service (NIS) NOTAM Group management has been established as a method for the NOTAM Office to confirm that a NOTAM request has been submitted by a NOTAM Authorised Person.

Under *CASR Part 175.D – Aeronautical Information Management – Aeronautical Data Originators*, an ADO has a responsibility to advise Airservices of the names of all NOTAM Authorised Persons for the ADO.

All nominated NOTAM Authorised Persons are required to create a NIS user account and provide the username to the nominated Group Manager for addition to the NOTAM Group. The nominated Group Manager is responsible for ensuring that the group details remain up to date with all current NOTAM Authorised Persons.

The originating NOTAM Authorised Person must ensure that their NIS username and NOTAM Group name is recorded on all emailed NOTAM request forms.

NOTAM submitted via the NOTAM Web Service (NWS), available through NIS, are automatically linked to the NOTAM Group from which it was submitted, however, the contact details of the originating NOTAM Authorised Person must be recorded in the Originating Authority section.

# 6 Requesting a NOTAM

NOTAM requests are to be submitted via the NWS (preferred method) or on the latest version of the NOTAM Request Form available on the Airservices website: <http://www.airservicesaustralia.com/wp-content/uploads/NOTAM-Request-Form.pdf>.

NOTAM will only be accepted over the phone when the matter is urgent, or in an emergency.

**Note:** Access to the NWS can be arranged by contacting the NOTAM Office.

## 6.1 Notification times

When requesting a NOTAM, the following times should be allowed (where practicable) for the NOTAM to be processed and issued by the NOTAM Office:

- immediately in emergency situations
- eight hours for airspace published in *Designated Airspace Handbook (DAH)* and by AIP SUP e.g., military exercises
- 48 hours from receipt by the NOTAM Office for information regarding scheduled maintenance or changes to a facility, service, or aerodrome.

Non-urgent NOTAM will be processed in order of effective time (see [10.7 Item B\) – start period](#)). This may at times result in delays during periods of high workload in the NOTAM Office.

## 6.2 Verifying information

The NOTAM Office will contact the originating NOTAM Authorised Person in the following situations:

- if a NOTAM is to be published with substantive differences from the way it was requested. This does not include minor changes such as abbreviations or changing the order of the information for standardisation purposes.
- where the information or the intent of a NOTAM request differs from or cannot be verified within an official document
- when the request comes from an individual who is not a NOTAM Authorised Person
- when there are errors in the NOTAM request, including but not limited to, incorrect abbreviations, lack of detail, mismatched time periods, duplicated information, and typos.

**Note:** It is the responsibility of the ADO to ensure a NOTAM Authorised Person is available to verify the above information if required.

## 6.3 Checking NOTAM

It is the responsibility of the ADO to ensure that information promulgated by the NOTAM Office is correct. All NOTAM will be available via NIS after publication and any discrepancies must be raised with the NOTAM Office by phone as soon as the error has been discovered.

## 6.4 NOTAM duplication or confliction

It is the responsibility of the originating NOTAM Authorised Person to ensure that NOTAM requests do not cause duplication or confliction of already published NOTAM.

Active NOTAM can be viewed via NIS, either in the Active NOTAM Directory (for users with access to the NWS) or via a Location Briefing.

Location Briefings will only provide NOTAM that are active during the specified validity period (maximum of 336 hours).

The NOTAM Office can provide guidance on published NOTAM commencing more than 14 days (336 hours) in the future.

## 7 NOTAM conventions

### 7.1 Facility availability

A facility should be referred to as either U/S (unserviceable), CLOSED, or NOT AVBL as per the below table:

UNSERVICEABLE (U/S)	CLOSED	NOT AVBL
<ul style="list-style-type: none"> <li>Navigation or landing aids</li> <li>Lighting facilities</li> <li>Communication and surveillance facilities</li> <li>Aerodrome devices/equipment</li> <li>AERIS/VOLMET</li> <li>ATIS</li> <li>Obstacle lights</li> </ul>	<ul style="list-style-type: none"> <li>Aerodrome/Heliport/Helipad</li> <li>Tower</li> <li>Movement areas</li> <li>Taxiway</li> <li>Runway/Runway turning bay</li> <li>Parking area</li> <li>Apron</li> <li>Runway strip/shoulder</li> <li>Aircraft stands</li> <li>Stopway</li> <li>Rapid exit taxiway</li> </ul>	<ul style="list-style-type: none"> <li>Oxygen</li> <li>Aircraft de-icing</li> <li>Meteorological service</li> <li>Oils and fuel</li> <li>Customs/immigration</li> <li>GNSS operations</li> <li>Flight information service (FIS)</li> <li>Aerodrome FIS (AFIS)</li> <li>Upper advisory service</li> <li>Air Traffic Procedures</li> </ul>

For a facility that is permanently withdrawn from service (refer [4.2 Permanent NOTAM](#)), the phrase DECOMMISSIONED is to be used vice NOT AVBL.

### 7.2 Abbreviations

A list of permitted abbreviations to be used in NOTAM is available in the *AIP GEN 2.2 General and Meteorological Abbreviations*.

Abbreviations marked with ‘●’ must not be used in NOTAM which are promulgated internationally.

The list of abbreviations is updated every three months and should be checked on a regular basis.

### 7.3 Latitude and longitude

Any latitude and longitude positions used in a temporary or permanent NOTAM are required in degrees, minutes and if required, seconds, followed by a cardinal point.

**Example:** 324620S 1382405E.

If more precision is required, such as for ICAO data accuracy and resolution requirements, seconds will be followed by a decimal and tenths or hundredths of seconds.

**Example:** 324620.2S 1382405.1E or 324620.27S 1382405.15E.

## 7.4 Units of measurement

Units of Measurement commonly required in NOTAM are as follows:

- Horizontal Distance:
  - Nautical Miles (NM) - used for distances greater than 2NM
  - Shorter distances: meters (M)
- Vertical distance (altitudes, elevations, and heights): feet (FT)
- Bearings (from an AD or navaid): degrees magnetic (MAG)
- Weight (Mass): Metric tonnes or kilograms (KG).

## 7.5 Cross referencing

To avoid the publication of erroneous information, a NOTAM will not be issued containing a reference to another NOTAM number. This is to avoid situations where the original NOTAM is reviewed or cancelled, which amends the original NOTAM number, resulting in the associated NOTAM referencing an incorrect NOTAM number.

Where cross-referencing between NOTAM is deemed necessary, the phrase 'SEPARATE NOTAM REFERS' will be used.

NOTAM will not be issued containing a reference to a date and/or page number of *En Route Supplement Australia (ERSA)* or *Designated Airspace Handbook (DAH)* as these documents are replaced in full when an updated version is published, so date/page references will no longer be accurate.

NOTAM may be issued with date and/or page reference for *Departure and Approach Procedures (DAP)* and *Aeronautical Information Publication (AIP)* as these are updated on a page-by-page basis.

## 7.6 Distribution criteria

All domestic NOTAM issued will be held in the Australian NOTAM database and can be accessed via NIS. Some NOTAM will also be distributed to international NOTAM Offices and accessed by international pilots flying to or through Australian airspace.

NOTAM will be sent internationally if the operations affect:

- PRD airspace higher than FL245 or below FL245 if affecting international routes.
- international aerodromes or international alternate aerodromes (as per *AIP GEN 2. Designated International Airports - Australia*)
- controlled airspace or airspace within 10NM of an international aerodrome or international alternate aerodromes (as per *AIP GEN 2. Designated International Airports - Australia*)
- Navigation Aids (NAVAID) which are used on international routes.

## 7.7 Timing Conventions

All NOTAM are published in UTC (Zulu) time. UTC is the preferred convention as it decreases the likelihood of errors during the conversion process.

UTC is the only time convention available in the NWS. Local time can be converted to UTC using the Time Zone Converter, available within the NOTAM form on the NWS.

If an emailed NOTAM request is submitted using local time (not preferred), this must be clearly marked on the NOTAM Request Form, including which time zone has been used. If a different time convention has been used on the form, the NOTAM Office will convert it to UTC before issuing.

**Note:** Extra care should be taken during daylight savings periods. Refer [Appendix A Time conversion chart](#).

### 7.7.1 Time format

The ICAO NOTAM format specifies that the timing convention used to indicate Item B) and Item C) (refer [10 NOTAM request form](#)) is a ten-digit date-time group in 24-hour format (year, month, day, hours, and minutes i.e., YYMMDDHHMM).

There are multiple time formats that may be used for Item D) (refer [10.10 Item D\) - activation times](#)).

Days of the week are referenced in Australian NOTAM as the 'Local day using UTC time' e.g., MON-WED 2300-0900 means the NOTAM is active for three days (MON, TUE, and WED) from 2300 UTC in the morning until 0900 UTC in the afternoon on each day.

The beginning of the day is specified as 0000 UTC and the use of the times xx59 and xx01 in NOTAM can create an anomaly within the Air Traffic Control systems.

For example, a NOTAM that finishes at 2359 will be removed from the ATC systems at 2359 and 01 second, not at 2359 and 59 seconds. Where possible, the times xx59 and xx01 should be avoided, and rounded up/down to xx00.

### 7.7.2 NOTAM validity

A NOTAM is valid when it is published (i.e., date and time of NOTAM origination), whereas it is active and comes into force at the date-time specified in Item B) (refer [10.7 Item B\) – start period](#)).

### 7.7.3 NOTAM duration

A temporary NOTAM must never be active for more than three months.

NOTAM with an estimated end time that unexpectedly exceeds the maximum three-month period may be extended for a further period of up to three months.

If it is expected that the extension is to exceed a period of three months, an AIP SUP shall be issued instead.

Temporary changes of long duration (exceeding three months) must be published as an AIP SUP. When required, a temporary NOTAM may be issued to bridge the period between required notification and AIP SUP publication.



Permanent changes require the relevant IAIP section to be amended, with an appropriate permanent NOTAM to bridge the period between notification and incorporation into the IAIP (refer [4.2 Permanent NOTAM](#)).

**Note:** NOTAM regarding crane operations are exempt from the above requirements and may be continually reviewed in three-month increments.

#### 7.7.4 Daylight saving time

Daylight Saving Time is observed in the Australian summer in some Eastern and Central time zones.

Care must be taken to ensure that times are correct for NOTAM that will be active over the time change.

## 8 NOTAM types

The NOTAM types are identified by the following suffixes: 'N' (New), 'R' (Replacement) and 'C' (Cancellation) and the resulting identifier appears after the reference number as follows:

- NOTAMN (New NOTAM)
- NOTAMR (Replacement NOTAM)
- NOTAMC (Cancellation NOTAM)

**Example:** C0123/22 NOTAMN

C0124/22 NOTAMR C0123/22

C0125/22 NOTAMC C0124/22.

### 8.1 NOTAMN

A NOTAMN is when a NOTAM is first issued. A NOTAMN should be requested if the NOTAM is regarding an event for which there is no current NOTAM.

### 8.2 NOTAMR

A NOTAMR allows an existing NOTAM to be amended. A NOTAMR immediately replaces the previous NOTAM.

Item B) of a NOTAMR must be the actual date-time group that the NOTAMR is created. The NOTAMR will take effect immediately and no future coming into force is permitted. This is to avoid possible misinterpretation about further changes or existence of multiple NOTAM.

When requesting a NOTAMR, the following conditions apply:

- if the condition described in an active NOTAM is to remain valid for a period before being changed, then a NOTAMR shall be issued for the period up to the intended date and time of the change. This NOTAMR shall immediately replace the existing NOTAM and shall notify the same conditions but with a changed finish time. A NOTAMN detailing the intended change in condition shall then be issued with a future date and time in Item B).

- if the NOTAM to be replaced is not active at the time of replacement, the NOTAM is to be cancelled WIE and a NOTAMN is to be issued with amended information and commencement time.

For further guidance, refer to [8.4. Determining NOTAM type](#).

## 8.3 NOTAMC

NOTAMC allows an existing NOTAM to be cancelled. Any NOTAM which is no longer required must be cancelled with a NOTAMC.

A NOTAM can only be cancelled with immediate effect and no future cancellation of NOTAM is permitted.

If you require a NOTAM to finish at a future end period, the NOTAM should instead be replaced (NOTAMR) with a confirmed finish time in Item C).

## 8.4 Determining NOTAM type

The below table should be used to determine the correct procedure and NOTAM type required for the following circumstances:

Circumstances	Required action
NOTAM is currently active with the conditions to cease now and resume in the future	The current NOTAM is to be cancelled with immediate effect and a new NOTAM issued with the amended start time
NOTAM is currently active with conditions to stay in effect but change in the future	The current NOTAM is to be reviewed to amend the finish time and a new NOTAM is to be issued specifying the new conditions
NOTAM is not yet in effect, but conditions are now commencing at a different time (including WIE)	The current NOTAM is to be cancelled and a new NOTAM issued with the amended commencement time
NOTAM not yet in effect, subject and start time remain the same but conditions change (e.g., RWY WIP changes to RWY NOT AVBL)	The current NOTAM is to be cancelled and a new NOTAM issued with the new conditions
NOTAM within the current period of activity, conditions to cease now and resume in the future	The current NOTAM is to be cancelled and a new NOTAM issued with the amended start time
Any changes to a NOTAM which has already been in effect but is outside of a period of activity	The current NOTAM is to be cancelled and a new NOTAM issued with the amended conditions or timings
Changes to a NOTAM that is outside a period of activity and has not yet been in effect	The current NOTAM is to be cancelled and a new NOTAM issued with the amended conditions or timings
NOTAM is currently active with the conditions to cease now and resume in the future	The current NOTAM is to be cancelled with immediate effect and a new NOTAM issued with the amended start time

## 9 NOTAM locations

### 9.1 Aerodromes

NOTAM regarding aerodrome facilities, or events and hazards that have a direct impact on aerodrome operations, are issued by the NOTAM Authorised Persons nominated by the ADO for the aerodrome.

However, relevant CASA staff may originate a NOTAM regarding aerodrome facilities or operations if the originating authority is not available, and the information is essential for flight safety and/or conduct of flight operations.

#### 9.1.1 Certified aerodromes

A NOTAM service is provided for certified aerodromes, military aerodromes, certain other aerodromes regulated under *CASR Part 139 – Aerodromes* and specialised helicopter operations with published terminal instrument flight procedures under *CASR Part 173 – Instrument Flight Procedure Design*.

A NOTAM will be issued on an aerodrome if it is about a facility, event or hazard that has a direct effect on aerodrome operations (within 5NM of an aerodrome with a NOTAM service), on the ground or within the airspace associated with that aerodrome.

#### 9.1.2 Uncertified aerodromes

Limited information is published in *En Route Supplement Australia (ERSA)* for some aircraft landing areas (ALAs) and a NOTAM service is not provided except for the following circumstances:

Subject	Events or Hazards	Responsible entity
Aerodrome	<ol style="list-style-type: none"> <li>1. Certification status changes</li> <li>2. Contact detail - limited to phone number change</li> <li>3. Closure – permanent</li> </ol>	<ol style="list-style-type: none"> <li>1. CASA</li> <li>2. Aerodrome *</li> <li>3. CASA</li> </ol>
Aerial works	<ul style="list-style-type: none"> <li>• Aerobatics</li> <li>• Air displays</li> <li>• Flight inspections</li> <li>• Ocular hazards</li> <li>• Surveying</li> </ul>	CASA, or approved NOTAM originators
Flight procedures	Limited to circuit direction changes for safety reasons	CASA
Communication	<ol style="list-style-type: none"> <li>1. Limited to frequency changes (CTAF with or without an AFRU)</li> <li>2. UNICOM</li> </ol>	<ol style="list-style-type: none"> <li>1. CASA</li> <li>2. Aerodrome *</li> </ol>
Instrument Flight Procedures	Any changes to instrument flight procedure	Certified Procedure Designers, under CASR Part 173
Lighting facilities	Limited to frequency changes (PAL)	Aerodrome *

Subject	Events or Hazards	Responsible entity
Meteorological services	Limited to TAF changes	BoM
Navaid	Unserviceable or frequency changes	Airservices, or navaid owner
Sports aviation	<ul style="list-style-type: none"> <li>Balloons</li> <li>Gliders</li> <li>Model rockets</li> <li>Parachuting</li> </ul>	CASA
Unmanned aircraft activities	<ol style="list-style-type: none"> <li>Model aircraft</li> <li>RPAS</li> </ol>	<ol style="list-style-type: none"> <li>CASA</li> <li>CASA, or approved NOTAM originators</li> </ol>
Other activities	<ol style="list-style-type: none"> <li>Blasting</li> <li>Fireworks</li> <li>Gas plumes</li> <li>Laser light displays</li> </ol>	<ol style="list-style-type: none"> <li>CASA</li> <li>CASA, or approved NOTAM originators</li> <li>CASA</li> <li>CASA, or approved NOTAM originators</li> </ol>

\* Only for those Aerodromes with a Data Product Specification (DPS) in place with Airservices AIS.

## 9.2 Temporary Restricted or Danger Area

If the Temporary Restricted and/or Danger Area has been promulgated via an AIP SUP (generally pre-planned such as Military exercises, V8 Supercars etc.), a NOTAM will be issued on the relevant FIR with the assigned 9 series identification number or alternate name provided in the SUP.

For Temporary Restricted or Danger Areas that have not been promulgated via an AIP SUP (generally used in emergency situations) will be issued on the relevant FIR, with all relevant details provided within Item E).

Unless otherwise agreed, Temporary Restricted or Danger Areas requests must be authorised and submitted by CASA Office of Airspace Regulations (OAR).

## 9.3 FIR (YBBB or YMMM)

A NOTAM will be issued on a single FIR if it refers to a:

- hazard occurring more than 5NM from an aerodrome
- hazard for which an aerodrome NOTAM has already been issued, but the hazard extends to a height or distance from the aerodrome which may affect pilots overhead or nearby not using the aerodrome. This need is determined by CASA or Airservices.

## 9.4 Dual FIR (YMMM/YBBB)

A NOTAM will be issued as a dual FIR NOTAM if:

- the conditions for an FIR NOTAM are fulfilled
- the hazard or facility extends across the FIR boundary
- the affected QNH areas are shared by the boundary.

**Note:** If required, contact the NOTAM Office for guidance on QNH areas and FIR boundaries.

## 9.5 Multiple FIR (YMMM and YBBB)

A NOTAM will be issued on both FIR if:

- the conditions for an FIR NOTAM are fulfilled
- the hazard or facility extends across the FIR boundary
- the affected QNH areas are **not** shared by the boundary.

**Note:** If required, contact the NOTAM Office for guidance on QNH areas and FIR boundaries.

# 10 NOTAM request form

Refer below for detailed instructions on completing the NOTAM Request Form.

Where applicable, instructions relevant to the NWS or emailed NOTAM Request Form has been identified.

## 10.1 Mandatory fields

NOTAM type	Mandatory fields
NOTAMN	Items A), B), C) and E)
NOTAMR	Items A), B), C) and E)
NOTAMC	Items A), B) (WIE), and E)

## 10.2 Group name

Select the required group that the NOTAM is to be assigned to from the drop-down box on the NWS or annotate the Group Name and NIS username of the originating NOTAM Authorised Person at the bottom of the NOTAM Request PDF form.

Refer to [5.2 NOTAM Authorised Persons verification](#) for more information regarding NOTAM Groups.

### 10.3 Contact details

Provide the name and contact number of the originating NOTAM Authorised Person.

Contact details are essential as the NOTAM Office may need to contact the originator prior to issuing a NOTAM.

Refer to [6.2 Verifying information](#) and [5 NOTAM originators](#) for further information.

### 10.4 NOTAM summary (NWS only)

Provide a short (maximum fifty characters) summary of the purpose of the NOTAM.

NOTAM summaries are to be as concise as possible as certain briefing products available on NIS (e.g., SPFIB and AVFAX) will only display the summary line for any NOTAM that has been active for more than seven days (i.e., commencement DTG is more than seven days in the past).

If unable to specify the exact contents of the NOTAM in the summary, provide a general description. This must include a general location of the subject of the NOTAM if issued under the FIR.

Ensure that the summary line contains enough information so pilots can easily determine if the NOTAM is relevant to their operations.

Examples of NOTAM summaries can be found in [12 NOTAM examples](#).

### 10.5 NOTAM type (form only)

NOTAMN, NOTAMR or NOTAMC.

Refer [8 NOTAM types](#) for more information on which type of NOTAM is required depending on the desired outcome.

**Note:** If NOTAMR or NOTAMC is selected, include the NOTAM number that is to be replaced or cancelled.

### 10.6 Item A) – location

This is the location under which the NOTAM will be issued.

Refer [9 NOTAM locations](#) for more information.

### 10.7 Item B) – start period

Item B) specifies the beginning of the occurrence or activity in a ten-digit date-time group (YYMMDDHHMM).

The time in Item B) must be WIE or in the future. NOTAM cannot be issued retrospectively.

If a NOTAM is required immediately or as soon as possible, WIE may be selected instead of specifying a start period. In this instance, the NOTAM Office will process the NOTAM request as soon as practicable, and the published NOTAM will list the publication time in Item B).

Care must be taken to ensure that NOTAM requests do not cause duplication or conflict of currently published NOTAM (refer to [6.4 NOTAM duplication or conflict](#)).

**Note:** Item B) for NOTAMC will have a default time stamp of the date and time that the NOTAMC was created and cannot be amended. Refer [8.3 NOTAMC](#)).

## 10.8 Item C) – end period

Item C) specifies the end of the occurrence or activity in a ten-digit date-time group (YYMMDDHHMM).

If the information is of a permanent nature (refer [4.2 Permanent NOTAM](#)), then the abbreviation PERM is inserted instead of the ten-digit date-time group.

If the end period of the NOTAM is uncertain, or the NOTAM duration is for a period exceeding three months, an approximate end period within three months must be indicated, followed by the abbreviation EST (refer [7.7.3 NOTAM duration](#)).

Refer [10.9 Item C\) - estimated end period](#) for more information regarding NOTAM with an estimated finish time.

## 10.9 Item C) – estimated end period

NOTAM with an estimated (EST) end period must be replaced or cancelled prior to the end period. It is the responsibility of the ADO to ensure that a nominated NOTAM Authorised Person contacts the NOTAM Office to extend or cancel an EST NOTAM, and a minimum of one hour notice is appreciated.

Refer below to determine if a NOTAM with activation times (refer [10.10 Item D\) - activation times](#)) is permitted to have an estimated finish time:

- If there are specific dates in Item D) (i.e., 1808150100 to 1808150200), an EST finish time is not permitted.
- If there are daily periods in Item D) (i.e., DAILY 0100/0200, HJ, HN), an EST finish time is permitted.

## 10.10 Item D) – activation times

This field should only be used if the NOTAM will not be active continuously from the start period to the end period e.g., if the NOTAM will only apply during daylight hours.

The first date-time group in Item D) should correspond to the date-time group in Item B). The last date-time group in Item D) should correspond to the date-time group in Item C).

These periods of activity could be in any of the following formats:

- date/time periods in the format YYMMDDHHMM e.g., 1808020200 to 1808021400
- the same time each day e.g., DAILY 0200/0400 for the period of the NOTAM
- combination of several time frames on various days of the week. e.g., MON TUE FRI 0900/1300 1400/1430, WED THU 1000/1100 1230/1300 or MON-FRI 2000/2200, SAT SUN 2300/0500
- night-time hours (HN) for the period of the NOTAM
- daytime hours (HJ) for the period of the NOTAM.

## 10.11 Item E) – NOTAM text

Item E) specifies the text of NOTAM, including the Subject, Status, and any additional information, in plain language complemented, where necessary, by ICAO abbreviations, indicators, identifiers, designators, call signs, frequencies, and digits.

The text in Item E) should be kept as short as possible, containing all the essential information needed for the safe conduct of flight.

For guidance on NOTAM formatting requirements, refer to [12 NOTAM examples](#).

Refer to [3 NOTAM issuance](#) for guidance on circumstances that can and cannot be notified by NOTAM.

## 10.12 Item F) – lower limit and Item G) – upper limit

These fields are used to indicate the lower and upper limits of airspace affected by the activity and are mandatory for NOTAM regarding navigation warnings and airspace restrictions.

Item F) is the lower limit expressed as an altitude either in metres (M) or feet above mean sea level (AMSL), a height above ground level (AGL), a flight level (FL), or surface level (SFC).

Item G) is the upper limit expressed as an altitude either in M, AMSL, AGL, FL, or as unlimited (UNL) if applicable.

Items F) and G) are mandatory for the following NOTAM:

NOTAM subject	
balloon release- meteorological or helium	UAV, model aircraft
exercises, PJE and formation flying	banner towing
TRA and TDA	rockets
air refuelling	sport flying
fireworks, blasting and demolitions	burning/blowing gas
aerobatics and air display	mass movement of aircraft
ocular hazard	hot air ballooning



## 11 NOTAM format

NOTAM are presented in NIS in either the ICAO format or the NAIPS briefing format.

### 11.1 ICAO format

The ICAO format presents all fields with the corresponding letter (as outlined in [10 NOTAM request form](#)).

**Item A)** YMMM

**Item B)** 21 09 25 1100

**Item C)** 21 10 02 1335

**Item D)** DAILY 1100/1335

**Item E)** FIREWORKS DISPLAY WILL TAKE PLACE  
PSN 315833S 1154708E 'CLAREMONT SHOWGROUNDS'  
BRG 257 MAG 9.5NM FM PERTH AD (YPPH)  
OPR CTC TEL: 04\*\* \*\*\* \*\*

**Item F)** SFC

**Item G)** 400FT AGL

### 11.2 Briefing format

The NAIPS briefing format presents NOTAM in the following format:

MELBOURNE FIR (YMMM)

C695/21

FIREWORKS DISPLAY WILL TAKE PLACE  
PSN 315833S 1154708E 'CLAREMONT SHOWGROUNDS'  
BRG 257 MAG 9.5NM FM PERTH AD (YPPH)  
OPR CTC TEL: 04\*\* \*\*\* \*\*  
SFC TO 400FT AGL  
FROM 09 251100 TO 10 021335  
DAILY 1100/1335

## 12 NOTAM examples

The following are examples of how to compose Item E) of a NOTAM. These examples are provided as a guide only.

If required, contact the NOTAM Office for assistance and guidance

### 12.1 NOTAM subject and status

The subject and status of a NOTAM refer to the subject for the which the NOTAM is required and the status and/or condition of that subject (refer [3.1 NOTAM promulgation criteria](#) and [10.11 Item E\) – NOTAM text](#)).

The NOTAM examples below do not form an exhaustive list of NOTAM Subjects and Statuses. For further guidance, contact the NOTAM Office.

Common subjects	Common statuses
<ul style="list-style-type: none"> <li>• AERODROME/HELIPORT/HELIPAD</li> <li>• CTAF</li> <li>• A/G FACILITY</li> <li>• TEMPO RESTRICTED/DANGER AREA</li> <li>• AIR DISPLAY/AEROBATICS</li> <li>• CAPTIVE BALLOON/KITE</li> <li>• DEMOLITION OF EXPLOSIVES</li> <li>• EXERCISES (<i>*specify</i>)</li> <li>• GLIDER FLYING</li> <li>• BLASTING</li> <li>• BANNER/TARGET TOWING</li> <li>• ASCENT OF FREE BALLOON</li> <li>• MISSILE/GUN/ROCKET FIRING</li> <li>• PJE/PARAGLIDING/HANG GLIDING</li> <li>• RADIOACTIVE MATERIALS/TOXIC CHEMICALS</li> <li>• BURNING/BLOWING GAS</li> <li>• MASS MOVEMENT OF ACFT</li> <li>• UA OPS (&lt;RPAS type&gt;BLW&lt;weight&gt;&lt;other identifiers if required&gt;)</li> <li>• FORMATION FLIGHT</li> <li>• AERIAL SURVEY</li> <li>• OBSTACLES</li> </ul>	<ul style="list-style-type: none"> <li>• NOT AVBL</li> <li>• U/S</li> <li>• OPR FREQ CHANGED TO</li> <li>• COMPLETELY WITHDRAWN</li> <li>• ON TEST, DO NOT USE</li> <li>• SUBJECT TO INTERRUPTION</li> <li>• CLOSED</li> <li>• ACTIVATED</li> <li>• DEACTIVATED</li> <li>• WILL TAKE PLACE</li> <li>• ERECTED</li> <li>• OPR FREQ CHANGED TO (<i>specify</i>)</li> <li>• LIMITED TO (<i>specify</i>)</li> <li>• INSTALLED</li> <li>• AVBL FOR DAYLIGHT OPS</li> <li>• AVBL FOR NIGHT OPS</li> <li>• AVBL, PRIOR PERMISSION REQ</li> <li>• AVBL ON REQUEST</li> </ul>

## 12.2 Permanent NOTAM format

Permanent NOTAM must be submitted in the following format:

TEMPLATE
E) [HEADING OF IAIP SECTION] AMD INFORMATION TO BE ADDED, CHANGED OR REMOVED USING ONE OF THE FOLLOWING: <ul style="list-style-type: none"> <li>• AMD TO READ:</li> <li>• ADD/REMOVE NOTE* (insert number associated with note e.g., note 4)</li> </ul> AMD (REFER TO IAIP PRODUCT BEING AMENDED)

EXAMPLE
E) AERODROME AND APPROACH LIGHTING AMD ADD: RWY 15/33 PAPI (2) PAL 122.8 3.0 DEG 45FT (2) LEFT SIDE AMD EN ROUTE SUPPLEMENT AUSTRALIA (ERSA)

## 12.3 Aerodrome facilities

For examples on formatting NOTAM requests on aerodrome facilities, refer to the [NOTAM Data Quality Requirements for Aerodrome Operators \(C-MAN0276\)](#).

## 12.4 Aerodrome certification

For an aerodrome that has become newly certified, either a newly built aerodrome or a previously uncertified aerodrome, the following template must be used:

AERODROME CERTIFICATION	
<b>Subject</b>	AD
<b>Status</b>	CERTIFIED
<b>Additional Info</b>	REFER AIP SUP H**/**
<b>Summary</b>	AD CERTIFIED

## 12.5 Navigation warnings

FIREWORKS/LASER LIGHT DISPLA/FLARE DEMO - AD	
<b>Subject</b>	FIREWORKS/LASER LIGHT DISPLAY
<b>Status</b>	WILL TAKE PLACE
<b>Additional Info</b>	[LAT/LONG] BRG 233 MAG 3.4NM FM ARP OPR CTC: **** (optional)
<b>Lower Limit</b>	SFC
<b>Upper Limit</b>	*specify height
<b>Summary</b>	FIREWORKS DISPLAY BRG *** MAG *** FM ARP

FIREWORKS/LASER LIGHT DISPLAY/FLARE DEMO - FIR	
<b>Subject</b>	FIREWORKS/LASER LIGHT DISPLAY
<b>Status</b>	WILL TAKE PLACE
<b>Additional Info</b>	[LAT/LONG] APRX BRG 324 MAG 16NM **** AD (Y***) OPR CTC: **** (optional)
<b>Lower Limit</b>	*specify height
<b>Upper Limit</b>	*specify height
<b>Summary</b>	FIREWORKS DISPLAY BRG *** MAG *** FM Y***

BLASTING - AD	
<b>Subject</b>	BLASTING
<b>Status</b>	WILL TAKE PLACE
<b>Additional Info</b>	[LAT/LONG] BRG 185 MAG 5.5NM FM ARP
<b>Lower Limit</b>	*specify height
<b>Upper Limit</b>	*specify height
<b>Summary</b>	BLASTING BRG 185 MAG 5.5NM FM ARP

BLASTING – FIR	
<b>Subject</b>	BLASTING
<b>Status</b>	WILL TAKE PLACE
<b>Additional Info</b>	[LAT/LONG] APRX BRG 185 MAG 5.5NM FM **** AD (Y***)
<b>Lower Limit</b>	*specify height
<b>Upper Limit</b>	*specify height
<b>Summary</b>	BLASTING APRX BRG 185 MAG 5.5NM FM Y***

ROCKET LAUNCHING	
<b>Subject</b>	HIGH POWERED ROCKET LAUNCHING
<b>Status</b>	WILL TAKE PLACE
<b>Additional Info</b>	PSN [LAT/LONG] BRG 315 MAG 13NM FM **** AD (Y***) CTC OPR ****
<b>Lower Limit</b>	*specify height
<b>Upper Limit</b>	*specify height
<b>Summary</b>	HIGH POWERED ROCKET LAUNCHING BRG 315 MAG 13NM FM Y***

LIGHT BALLOON RELEASE	
<b>Subject</b>	LIGHT BALLOON RELEASE
<b>Status</b>	WILL TAKE PLACE
<b>Additional Info</b>	APRX 100 BALLOONS [LAT/LONG] BRG 078 MAG 19NM **** AD (Y***)
<b>Lower Limit</b>	*specify height
<b>Upper Limit</b>	*specify height
<b>Summary</b>	LIGHT BALLOON RELEASE BRG 078 MAG 19NM Y***

SMALL BALLOON RELEASE	
<b>Subject</b>	BALLOON RELEASE
<b>Status</b>	WIL TAKE PLACE
<b>Additional Info</b>	APRX 300 SMALL BALLOONS OPR FM *** [LAT/LONG] BRG 078 MAG 19NM **** AD (Y***)
<b>Lower Limit</b>	*specify height
<b>Upper Limit</b>	*specify height
<b>Summary</b>	SMALL BALLOON RELEASE BRG 078 MAG 19NM Y***

## 12.6 Unmanned aircraft NOTAM

The term UA (Unmanned Aircraft) must be used in NOTAM as the abbreviations 'RPA', 'RPAS' and 'UAV' are currently not approved by ICAO.

UA NOTAM will be issued on either:

- an AD - if the UA activity will be occurring within 5NM of the ARP of a certified aerodrome
- the Brisbane FIR (YBBB) or Melbourne FIR (YMMM), or both - if the UA activity is occurring more than 5NM from the ARP of a certified aerodrome, or in the vicinity of an uncertified aerodrome when CASA believe the operations will have a direct impact on aviation safety.

Activation times should be as specific as possible, so that inactivity is not included. This reduces the impact to other airspace users.

The text of the NOTAM in Item E) will need to include the following:

- the type (multirotor, fixed wing etc.) and weight of the UA (to allow other airspace users an indication of the size)
- any specific identifying characteristics e.g., strobe, high visibility markings, fluorescent paint, reflective surfaces etc.
- the area of operations expressed as either:
  - a radius from a position or
  - a distance either side of a line between two positions
- details of broadcasts to be made and/or frequencies that will be monitored

- the operator's identification and contact number (for ATC and other airspace users who may have enquirers or need to de-conflict).

The following table describes the NOTAM text required to describe the UA according to the ReOC:

Type (as per ReOC)	NOTAM text
Multirotor	Multirotor
Aeroplane	Fixed-wing
Powered-lift	Fixed-wing
Helicopter (Single-rotor)	Helicopter
Airship	Airship

UA NOTAM will require Item F) to be SFC and Item G) level and datum (AGL, AMSL, or FL) to be specified. However, larger UA's can operate in block levels, for example F120-F150.

Positions should be expressed both as a latitude/longitude and as a bearing and distance from a defined position that can be found in En Route Supplement Australia (ERSA), e.g., an AD, a NAVAID, or a VFR waypoint.

The most useful points for pilots are those that are identified on charts. Smaller ALA or HLS sites which are defined in En Route Supplement Australia (ERSA), but not on charts are not recommended. If possible, reference to a registered HLS or ALA would be preferable.

UAV OPR WITHIN RADIUS OF PSN – FIR	
<b>Subject</b>	UA OPS (MULTIROTOR BLW 2KG, RED AND WHITE STRIPES)
<b>Status</b>	WILL TAKE PLACE
<b>Additional Info</b>	OPR WI 0.5NM RADIUS OF PSN [LAT/LONG] BRG 042 MAG 8NM FM SYDNEY AD (YSSY). OPR WILL BCST ON FREQ ***.* 15MIN PRIOR TO LAUNCH AND AT 15MIN INTERVALS WHILST AIRBORNE OPR CTC TEL: ****
<b>Lower Limit</b>	SFC
<b>Upper Limit</b>	450FT AMSL
<b>Summary Line</b>	UA OPS BRG 042 MAG 8NM FM YSSY

UAV OPR WITHIN RADIUS OF PSN – AD	
<b>Subject</b>	UA OPS (MULTIROTOR 20KG)
<b>Status</b>	WILL TAKE PLACE
<b>Additional Info</b>	OPR WI 600M RADIUS OF PSN [LAT/LONG] BRG 270 MAG 3.9NM FM ARP OPR WILL MNT TOWER FREQ ***.* OPR CTC TEL: ****
<b>Lower Limit</b>	SFC
<b>Upper Limit</b>	450FT AMSL
<b>Summary Line</b>	UA OPS BRG 270 MAG 3.9NM FM ARP

UAV OPR WITHIN DEFINED POINTS – FIR	
<b>Subject</b>	UA OPS (FIXED-WING BLW 2KG, RED AND YELLOW STRIPES)
<b>Status</b>	WI 1.5NM EITHER SIDE OF A LINE
<b>Additional Info</b>	BTN PSN [LAT/LONG] BRG 135 MAG 7.5NM FM REDCLIFFE AD (YRED) AND [LAT/LONG] BRG 225 MAG 9NM FM YRED OPR WILL BCST ON CTAF ***. * OPR CTC TEL: ****
<b>Lower Limit</b>	SFC
<b>Upper Limit</b>	450FT AMSL
<b>Summary Line</b>	UA OPR BTN BRG 135-225 MAG 7.5NM-9NM FM YRED

UAV OPR WITHIN DEFINED POINTS – AD	
<b>Subject</b>	UA (MULTIROTOR BLW 20KG)
<b>Status</b>	WILL TAKE PLACE
<b>Additional Info</b>	OPR WI 500M EITHER SIDE OF A LINE BTN PSN [LAT/LONG] BRG 135 MAG 1.5NM FM ARP AND [LAT/LONG] BRG 225 MAG 3NM FM ARP OPR WILL MNT TWR FREQ ***. * OPR CTC TEL: ****
<b>Lower Limit</b>	SFC
<b>Upper Limit</b>	450FT AMSL
<b>Summary Line</b>	UA OPR BTN BRG 135-225 MAG 1.5NM-3NM FM YRED

TETHERED UA BLW OLS	
<b>Subject</b>	UA OPS TETHERED BLW OLS (MULTIROTOR BLW 20KG)
<b>Status</b>	WILL TAKE PLACE
<b>Additional Info</b>	OPR AT PSN [LAT/LONG] BRG 270 MAG 2.1NM FM ARP or OPR WI 500M EITHER SIDE OF A LINE BTN PSN [LAT/LONG] AND [LAT/LONG] BRG 270 MAG 2.1NM FM ARP etc.
<b>Lower Limit</b>	SFC
<b>Upper Limit</b>	450FT AMSL
<b>Summary Line</b>	UA TETHERED BLW OLS BRG 270 MAG 2.1NM FM ARP

## 12.7 Temporary restricted or danger area NOTAM

- Times \*\*59 and \*\*01 should not be used in NOTAM. Refer [7.7.1 Time format](#) for further information.
- All PRD require Item F) and Item G) to be entered.
- Information entered in Item D) and Item E) must be in the correct format as this information is used to create the Restricted Area Briefing available via NIS:
- Item D) – must be specific date time groups, not general terms such as ‘HN’,
- Item E) – refer to examples below.
- When activating an area for multiple time periods with the same levels and information, the preferred procedure is to request one NOTAM with multiple activation periods rather than a separate NOTAM for each time period.
- all PRD activations must have the heights specified in AMSL.

TEMPORARY RESTRICTED AREA - FIR	
<b>Subject</b>	TEMPO RESTRICTED AREA
<b>Status</b>	ACT
<b>Additional Info</b>	***ADDITIONAL INFORMATION***
<b>Lower Limit</b>	*specify height
<b>Upper Limit</b>	*specify height
<b>Summary</b>	TEMPO RESTRICTED AREA ACT WI ****

TEMPORARY RESTRICTED AREA - 9 SERIES TRA	
<b>Subject</b>	TEMPO RESTRICTED AREA R***
<b>Status</b>	ACT
<b>Additional Info</b>	REFER TO AIP SUP H**/**
<b>Lower Limit</b>	*specify height
<b>Upper Limit</b>	*specify height
<b>Summary</b>	TEMPO RESTRICTED AREA R**** ACT



## 12.8 Sports Aviation (SPA)

In addition to an FIR NOTAM, consideration must be given to issuing a NOTAM on the aerodrome if it affects flights arriving or departing that aerodrome.

When issuing a NOTAM on the aerodrome, ensure the NOTAM refers to the information relevant to aerodrome operations only and is not a duplicate of the FIR NOTAM.

GLIDING FLYING - AD	
<b>Subject</b>	INCREASED GFY
<b>Status</b>	WILL TAKE PLACE
<b>Additional Info</b>	GLIDERS AND TUGS USE GRASS STRIP WEST OF RWY 17/35 SIMULTANEOUS CONTRA CIRCUIT OPS. GLIDERS AND TUG CCTS TO THE WEST AND OTHER ACFT CCTS TO THE EAST. ACFT OTHER THAN GLIDERS AND TUGS USE RIGHT CCTS RWY 25 DURING GFY. GLIDERS MNT CTAF ***. * WI 5NM YBTH OTHERWISE MULTICOM ***. * OR GLIDING FREQ ***. * CTC AIR FOCE CADETS TEL. ****
<b>Summary</b>	INCREASED GFY WILL TAKE PLACE

GLIDING FLYING - FIR	
<b>Subject</b>	INCREASED GFY (GLIDERS AND TUGS)
<b>Status</b>	WILL TAKE PLACE
<b>Additional Info</b>	WI 15NM RADIUS OF **** AD (Y****) GLIDERS MNT CTAF ***. * WI 5NM FM **** OTHERWISE MULTICOM ***. * OR GLIDING FREQ ***. * CTC AIR FORCE CADETS TEL. ****
<b>Lower Limit</b>	*specify height
<b>Upper Limit</b>	*specify height
<b>Summary</b>	INCREASED GFY WILL TAKE PLACE

MODEL AIRCRAFT	
<b>Subject</b>	MODEL ACFT ACTIVITY
<b>Status</b>	WILL TAKE PLACE
<b>Additional Info</b>	OPR WI 500M OF PSN [LAT/LONG] BRG 048 MAG 12.2NM FM ****AD (Y****)
<b>Lower Limit</b>	*specify height
<b>Upper Limit</b>	*specify height
<b>Summary</b>	MODEL ACFT ACTIVITY BRG 048 MAG 12.2NM FM Y***

AIR DISPLAY – AD	
<b>Subject</b>	AIR DISPLAY
<b>Status</b>	WILL TAKE PLACE
<b>Additional Info</b>	WI 5NM RADIUS OF AD ACFT WILL MNT AND BCST ON CTAF ***.* OPR CTC TEL: ****
<b>Lower Limit</b>	*specify height
<b>Upper Limit</b>	*specify height
<b>Summary</b>	AIR DISPLAY WI 5NM RADIUS OF AD

AIR DISPLAY – FIR	
<b>Subject</b>	AIR DISPLAY
<b>Status</b>	WILL TAKE PLACE
<b>Additional Info</b>	WI 15NM RADIUS OF **** AD (Y****) ACFT WILL MNT AND BCST ON CTAF ***.* OPR CTC TEL: ****
<b>Lower Limit</b>	*specify height
<b>Upper Limit</b>	*specify height
<b>Summary</b>	AIR DISPLAY WI 15NM RADIUS OF Y****

PARACHUTE JUMPING EXERCISES - AD	
<b>Subject</b>	PARACHUTE OPS
<b>Status</b>	WILL TAKE PLACE
<b>Additional Info</b>	WI 5NM OF APRX PSN [LAT/LONG] BRG 311 MAG 17NM FM *** ARP (Y****)
<b>Lower Limit</b>	*specify height
<b>Upper Limit</b>	*specify height
<b>Summary</b>	PARACHUTE OPS WI 5NM OF ARP

PARACHUTE JUMPING EXERCISES - FIR	
<b>Subject</b>	PARACHUTE OPS
<b>Status</b>	WILL TAKE PLACE
<b>Additional Info</b>	WI 5NM OF APRX PSN [LAT/LONG] BRG 311 MAG 17NM FM *** AD (Y****)
<b>Lower Limit</b>	*specify height
<b>Upper Limit</b>	*specify height
<b>Summary</b>	PARACHUTE OPS BRG 311 MAG 17NM FM Y****)

## 13 Definitions

Within this document, the following abbreviations will be used:

Term	Definition
AD	Aerodrome
ADO	Aeronautical Data Originator
AGL	Above Ground Level
AIP	Aeronautical Information Publication
AIP SUP	AIP Supplement
AIRAC	Aeronautical Information Regulation and Control
AIS	Aeronautical Information Service
ALA	Aircraft/Alternate Landing Area
AMSL	Above Mean Sea Level
ARP	Aerodrome Reference Point
ATS	Air Traffic Service
AVBL	Available
CASA	Civil Aviation Safety Authority
CASR	Civil Aviation Safety Regulations
CNS	Communication, Navigation and Surveillance
CTAF	Common Traffic Advisory Frequency
CTC	Contact
DAH	Designated Airspace Handbook
DAP	Departure and Approach Procedures
DPS	Data Product Specification
ERSA	En Route Supplement Australia
EST	Estimated
EXC	Except
FIR	Flight Information Region
FL	Flight Level
HJ	Hours of Day
HLS	Helicopter Landing site
HN	Hours of Night
IAIP	Integrated Aeronautical Information Package
ICAO	International Civil Aviation Organisation
MET	Meteorology

Term	Definition
MNT	Monitor
NAIPS	National Aeronautical Information Processing System
NAVAID	Navigation Aid
NIS	NAIPS Internet Service
NOF	NOTAM Office
NOTAM	Notice to Airmen
NOTAMC	NOTAM Cancellation
NOTAMN	NOTAM New
NOTAMR	NOTAM Replacement
NWS	NOTAM Web Service
OAR	Office of Airspace Regulation
OLS	Obstacle Limitation Surface
OPR	Operator (RPA operator)
PERM	Permanent
PJE	Parachute Jumping Exercises
PRD	Prohibited, Restricted and Danger
RFC	Request for Change
SAR	Search and Rescue
SPA	Sports Aviation
SPFIB	Specific Pre-Flight Information Bulletin
TDA	Temporary Danger Area
TRA	Temporary Restricted Area
U/S	Unserviceable
UA	Unmanned Aircraft
UAV	Unmanned Aerial Vehicle
UTC	Universal Coordinated Time
VFR	Visual Flight Rules
WIE	With Immediate Effect

## Appendix A Time conversion chart

STANDARD TIME				DAYLIGHT SAVINGS		
	EST	CST	WST		EDT	CDT
UTC	QLD, NSW VIC, ACT TAS	NT, SA	WA	UTC	NSW, VIC, ACT, TAS	SA
0000	1000	0930	0800	0000	1100	1030
0100	1100	1030	0900	0100	1200	1130
0200	1200	1130	1000	0200	1300	1230
0300	1300	1230	1100	0300	1400	1330
0400	1400	1330	1200	0400	1500	1430
0500	1500	1430	1300	0500	1600	1530
0600	1600	1530	1400	0600	1700	1630
0700	1700	1630	1500	0700	1800	1730
0800	1800	1730	1600	0800	1900	1830
0900	1900	1830	1700	0900	2000	1930
1000	2000	1930	1800	1000	2100	2030
1100	2100	2030	1900	1100	2200	2130
1200	2200	2130	2000	1200	2300	2230
1300	2300	2230	2100	1300	0000	2330
1400	0000	2330	2200	1400	0100	0030
1500	0100	0030	2300	1500	0200	0130
1600	0200	0130	0000	1600	0300	0230
1700	0300	0230	0100	1700	0400	0330
1800	0400	0330	0200	1800	0500	0430
1900	0500	0430	0300	1900	0600	0530
2000	0600	0530	0400	2000	0700	0630
2100	0700	0630	0500	2100	0800	0730
2200	0800	0730	0600	2200	0900	0830
2300	0900	0830	0700	2300	1000	0930