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# Mangalore aeronautical study

## Overview

The Office of Airspace Regulation (OAR) is conducting an aeronautical study of the Mangalore area in Victoria as outlined in the terms of reference, provided below.

The study will review the airspace within a 25 nautical mile area of Mangalore, including nearby aerodromes, Puckapunyal, Graytown, Euroa and Locksley Field, up to 8500 feet above mean sea level.

The OAR will be looking at traffic types and density from over the last 5 years and considering the feedback from the Australia Transport Safety Bureau's report into the mid-air collision that occurred in 2020, should the final report be released before the conclusion of the study.

The study will evaluate the suitability of the airspace, including efficient use, equitable access for all users, appropriateness of the airspace classification and the existing services and facilities provided by the air navigation service provider.

## Documents for review

You can view the terms of reference and a copy of the consultation below.

If you would like to provide further feedback, please email **OAR@casa.gov.au**. Feedback submitted by email will be considered but cannot be published publicly.

Further information about **airspace regulation** <<https://www.casa.gov.au/airspace/airspace-regulation>> and the **airspace change process** <<https://www.casa.gov.au/airspace/airspace-regulation/airspace-change-process>> is available on the CASA website.

## Why your views matter

### Why we are consulting

We would like to hear your experiences about flying in the Mangalore area and how proposed future airspace change may affect you.

In the consultation, we will ask questions relevant to the airspace and provide you with an opportunity to share further feedback.

### What happens next?

Once the consultation has closed, we will register and review each submission received through the online response form. We will make all submissions publicly available on the Consultation Hub, unless you request your submission remains confidential. We will also publish the final report on our website.

Information about how we consult and how to make a confidential submission is available on the **CASA website** <<https://www.casa.gov.au/standard-page/consultation-process>> .

To be notified of any future consultations, subscribe to our **consultation and rulemaking mailing list** <<https://mailinglist.casa.gov.au/?p=subscribe&id=3>> .

## Personal information

### 1 What is your name?

Name (Required)

### 2 What is your email address?

email (Required)

### 3 Do your views officially represent those of an organisation?

(Required)

*Please select all that apply*

☐ Yes, I am authorised to submit feedback on behalf of an organisation

☐ No, these are my personal views

If yes, please specify the name of your organisation

## Consent to publish submission

In order to promote debate and transparency, we intend to publish all responses to this consultation. This may include both detailed responses/submissions in full and aggregated data drawn from the responses received.

Where you consent to publication, we may include:

- **your last name**, if the submission is made by you as an individual
- **your responses and comments**

We **will not** include any other personal or demographic information in a published response.

Information about how we consult and how to make a confidential submission is available on the **CASA website** <<https://www.casa.gov.au/rules-and-regulations/landing-page/consultation-process>> .

### 4 Do you give permission for your response to be published?

(Required)

*Please select only one item*

☐ Yes - I give permission for my response/submission to be published.

☐

No - I would like my response/submission to remain confidential but understand that de-identified aggregate data may be published.

☐ I am a CASA officer.

## About you

### 5 What type of flight operations do you or your organisation conduct?

Select all that apply:

(Required)

*Please select all that apply*

- |   |  |   |                                      |   |
|---|--|---|--------------------------------------|---|
| <input type="checkbox"/> Air work               | <input type="checkbox"/> Business/ charter       | <input type="checkbox"/> Emergency/ medical       | <input type="checkbox"/> Agriculture |   |
| <input type="checkbox"/> Freight                | <input type="checkbox"/> Meteorological          | <input type="checkbox"/> Mining                   | <input type="checkbox"/> Survey      | <input type="checkbox"/> Scenic flights |
| <input type="checkbox"/> Flight training        | <input type="checkbox"/> Private or recreational | <input type="checkbox"/> Regular public transport | <input type="checkbox"/> Sport       |   |
| <input type="checkbox"/> Other (please specify) |  |   |                                      |   |

Further information

**6** From January 2015 to December 2020, how many aircraft were operated by you or your organisation in the Mangalore area? This includes all registrations and categories.

Number of aircraft (Required)

*Please select only one item*

☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7 ☐ 8 ☐ 9 ☐ 10 ☐ 10+

**7** Are these aircraft transponder or ADS-B equipped?

(Required)

*Please select only one item*

☐ Yes ☐ No ☐ Our fleet is partially equipped

Percentage equipped

## Mangalore operations

**8** On average, between January 2015 and December 2020, how often were you operating in the Mangalore airspace?

(Required)

*Please select only one item*

☐ Daily ☐ Five days a week ☐ Three days a week ☐ One day a week  
☐ Weekends or holidays ☐ Other (please specify)

Further information

**9** What flight rules do you operate under?

(Required)

*Please select only one item*

☐ IFR only ☐ VFR only ☐ Both IFR/VFR

**10** What airport are you based at?

(Required)

**11** What other airports do you frequently operate to?

(Required)

**12** Between January 2015 and December 2020, to what degree do you consider the airspace within 25 nm of Mangalore to have been congested?

(Required)

*Please select only one item*

- ☐ High   ☐ Moderate to high   ☐ Moderate   ☐ Moderate to low   ☐ Low  
☐ Not congested

Further information

**13** What days and times do you experience higher congestion levels in the study area? In your response please specify particular days or times of the year such as public holidays or school holidays and timeframes within a four-hour period e.g. before 7 am, 7 am–11 am, 1 pm–5 pm, after 8 pm.

(Required)

**14** Please select up to 5 factors that you feel contribute to the congestion in the Mangalore area:

(Required)

*Please select all that apply*

- ☐ Airport facilities such as nav aids, runway lighting, WDI ☐ Airport taxiways
- ☐ Airspace classification ☐ Airspace design ☐ Air traffic control
- ☐ Military airspace activated ☐ Military airspace deactivated
- ☐ Airspace radio procedures ☐ Passenger flight schedules ☐ Surveillance
- ☐ IFR traffic ☐ VFR traffic ☐ Weather
- ☐ Other – please provide more information

Further information

**15** How do you rate the safety of the airspace within the Mangalore area?

(Required)

*Please select only one item*

- ☐ Safe ☐ Mostly safe ☐ Neither safe nor unsafe ☐ Mostly unsafe ☐ Unsafe

**16 Please select up to 5 factors that you feel could improve safety within the Mangalore area**

(Required)

*Please select all that apply*

- ☐ Airport facilities   ☐ Airport taxiways   ☐ Airspace classification  
☐ Airspace design   ☐ Air traffic control   ☐ Military airspace activated  
☐ Military airspace deactivated   ☐ Airspace radio procedures  
☐ Passenger flight schedules   ☐ Surveillance   ☐ IFR traffic   ☐ VFR traffic  
☐ Weather

Further information

**17 Are there any specific safety issues associated with flight operations within this airspace?**

(Required)

*Please select only one item*

- ☐ Yes   ☐ No

Please provide further information (Required)

## Mangalore efficiency

This part of the questionnaire relates to airspace efficiency within the Mangalore area. Efficiency relates to disruptions to operations such as too many aircraft in the circuit and/or unable to depart due traffic which causes delays and/or additional track miles to be flown by aircraft.

### 18 How would you rate the efficiency of the Mangalore airspace?

(Required)

*Please select only one item*

- ☐ Very efficient   ☐ Efficient   ☐ Neither efficient nor inefficient   ☐ Inefficient  
☐ Very inefficient

### 19 Please provide further information on what you feel positively or negatively affects the airspace efficiency.

#### **Please consider the following**

Elements may include, navigation aids, airport facilities and taxiways, airspace classification, military airspace activation/deactivation, radio procedures, communication and surveillance coverage, access to the airspace, number of aircraft operating in the airspace.

(Required)

## Mangalore airspace classification

This part of the consultation relates to airspace classification within the Mangalore area.

**20** Does the Class G airspace classification affect your operations?

(Required)

*Please select only one item*

☐ Yes ☐ No

Please provide further information

**21** What effect, if any, has the restricted or danger areas of Puckapunyal, Graytown, Nagambie-Wirate, Waranga Basin or Euroa had on your operations?

(Required)

*Please select only one item*

☐ No effect ☐ Slight effect ☐ Moderate effect ☐ Significant effect

Please provide further information (Required)

**22** Would VFR routes, reporting points or corridors for arriving, departing or transiting aircraft be appropriate in the Mangalore airspace?

(Required)

*Please select only one item*

☐ Yes ☐ No

Please provide further information

## Mangalore airspace accessibility

This part of the questionnaire relates to charting and accessibility within the Mangalore area.

**23** Do you receive equitable access to the airspace within the Mangalore area and why?

(Required)

*Please select only one item*

☐ Yes ☐ No

Please provide further information (Required)

**24** Are the current navigation charts including the Melbourne VNC and Mangalore approach plates suitable for your operations within the area?  
(Required)

*Please select only one item*

☐ Yes ☐ No

Please provide further information

## Mangalore Surveillance Flight Information Service

This part of the consultation relates to the proposed introduction of a Surveillance Flight Information Service within 20 nm of Mangalore.

**25** Do you see the introduction of the Surveillance Flight Information Service, including the Mandatory Broadcast Area, within 20 nm of Mangalore, to be beneficial to your operation?

(Required)

*Please select only one item*

☐ Yes ☐ No

Please provide further information (Required)

**26** Please state any other points you want to identify regarding the Mangalore airspace.

Further information (Required)