Australian Government
Civil Aviation Safety Authority

Notification

Operational Assessment of a proposed plume rise

CASR 139.170(2)

Download this form before you begin

Please download and complete with Adobe Acrobat. If you're using a browser to complete this form you may lose your information. Send this form and any attachments to airspace.protection@casa.gov.au.

Purpose of this form

Use this form to provide details of plume rises from proposed developments to CASA.

Who is this form for?

This form is for proponents of a development that will generate an exhaust plume which may create a risk to the safety of aircraft operations. At the time of submitting this form whether there is a risk to the safety of aircraft operations may not be known. It is for CASA to determine such an outcome given all considered input which is to be assessed whether it may create a risk to the safety of aircraft operation.

For more information

Go to the CASA website or contact us.

Notifier

1 What are the **notifier** details?

Your contact details must be current. Update contact details via changing your details.

Legal entity/full name

Phone number

Email address

Proposed facility and prior consultation

2 What are the **proposed facility** details?

Type of facility

Location of the nearest town (direction and distance)

Location of the facility in latitude and longitude (degrees, minutes, seconds)

Proximity to any other existing or planned facility that generates a plume rise (if known)

Distance to the nearest aerodrome or landing area including helicopter landing sites

Height of the stack or tallest structure at the site Above Ground Level (AGL)

Elevation of the location of the facility Above Mean Sea Level (AMSL)

Date the facility will commence operation (DD/MM/YYYY)

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3 What are the parameters of the facility if a **single stack** is proposed?

Stack exit velocity (metres per second)

Stack exit temperature (degrees Celsius)

Stack diameter (metres)

Stack height (metres above ground level)

4 What are the parameters for the **worst case scenario** for facilities with **multiple configurations**?

Stack separation distance (metres)

Number of stacks

Stack exit velocity (metres per second)

Stack exit temperature (degrees Celsius)

Stack diameter (metres)

Stack height (metres above ground level)

5 What are the parameters for the **normal operating scenario** for facilities with **multiple configurations**?

Stack separation distance (metres)

Stack exit velocity (metres per second)

Stack exit temperature (degrees Celsius)

Stack diameter (metres)

Stack height (metres above ground level)

6 What are the details of any **prior consultation** with CASA, Dept of Defence, Aerodrome Operator or other relevant party?

Additional documents

7 Please describe the content of any documents you are attaching to this notification including details of facilities with non-standard spacing and exhaust parameters. Please email any questions.

Declaration

8 **I declare:**

- All statements in this notice are true and correct.

I acknowledge by providing my details below and submitting this notice:

- I may commit an offence under the *Criminal Code Act 1995* if I make a false or misleading statement in my notice.
- We may also use your licensing information in deidentified form for aviation safety research/analysis.

Privacy

Any personal information you provide to CASA, as part of this notice, is protected by the *Privacy Act 1988*.

We will use the information provided to process this notice and may also use it to conduct identity/security checks. Without your consent, we may not be able to process your notice.

Declaration continued

To meet our accountability obligations, we may disclose this information:

- to other government agencies or other national aviation authorities for certain purposes, and
- to comply with court orders and other legal requirements.

For more information about how we use, disclose and protect your personal information, see our privacy statement and privacy policy.

- I declare and acknowledge the above matters.
- I consent to CASA using my licensing information and other personal information for the above purposes.
- I have read CASA's privacy policy and I authorise CASA to use and disclose the information it collects for this notice in accordance with that policy.

Full name

Signature

Date (DD/MM/YYYY)

/ /

Role authority

9 In what capacity are you making this declaration?

- ☐ Self
- ☐ Director
- ☐ Agent
- ☐ Other, please specify:

An authority must be provided if the person making this declaration is **not** the individual or an office holder of the entity named in question 1.

Provide authority

Submitting this form to CASA

By email – attach this form and all supporting documents. Send them to airspace.protection@casa.gov.au

By post – return this form and all supporting documents to:

National Manager, ANAA
CASA, GPO Box 2005
Canberra ACT 2601