



Declaration of Capability and Conformance

Electronic Conspicuity (EC) device
Part 91 Manual of Standards

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Download this form before you begin

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

Purpose of this form

Use this form to apply for:

- A statement that CASA considers that you have made a valid declaration of capability and conformance to subsections (3) to (7) of section 26.72C in the *Part 91 Manual of Standards (MOS)*.
- Inclusion of the EC device model on the CASA website.

Who is this form for?

This form is for the manufacturer of an EC device.

Information needed to complete this form

Before completing this form, you should review:

- Division 26.16 of the Part 91 (General Operating and Flight Rules) *Manual of Standards 2020*.
- Civil Aviation Authority of the United Kingdom document number CAP 1391 titled Electronic conspicuity devices, 2nd edition, dated April 2018, or any later edition.

After receiving a completed form, CASA will calculate and send you a cost estimate for the processing of your declaration and a list of any additional supporting documents required. You will need to pay the estimate and send additional supporting documentation with your payment before any assessment of your declaration occurs.

All documents must be **provided in English**. Documents not in English must be accompanied by a certified translation.

The translation must be compiled by a translator registered with the [National Accreditation Authority for Translators & Interpreters Ltd \(NAATI\)](#) and must include the NAATI translator stamp.

The NAATI national hotline is **1300 557 470**.

Aviation Reference Number (ARN)

An ARN is required to complete this form. If you do not have an ARN, [apply now](#).

If you are applying on behalf of an organisation, you will need to have authority to act on the entity's (applicant's) behalf and be able to provide the organisation's ARN.

Contact details

It is important the contact details on the ARN profile are current. CASA uses these contact details when processing this application.

If your address, contact or other details have changed, you must update them prior to lodging this form. You can do this by [changing your details](#) on the CASA website.

Failure to provide up to date contact details to CASA could result in additional fees being charged under the *Civil Aviation (Fees) Regulations 1995* and may constitute a criminal offence.

For more information

Go to the [CASA website](#) or [contact us](#).

Manufacturer details

1 What are the details of the **Manufacturer** of the EC device?

Your contact details must be current. Update your contact details via [changing your details](#).

Legal entity/full name

ARN

Phone number

Email address

2 Are you the **primary contact person** for this form?

No → [Go to 3](#)

Yes → [Go to 4](#)

Contact person

3 What are the **contact person** details?

Contact details will be used for this application only, including any questions and/or fee estimates.

Full name

ARN (if applicable)

Position (Agent, Secretary, accountable person)

Phone number

Email address

Conformance and capability of EC device

Refer to section 26.72C of the Part 91 MOS and the UK Civil Aviation Authority publication CAP 1391 (2nd edition or a later edition).

4 What are the details of the EC device?

Description and Identification

Type number

Modification Standard

Software Version

Master Drawing reference

Qualification Test Report reference

Acceptance Test Report reference

Operating Manual reference

Weight

Overall dimensions

 Attach EC device's operating manual

5 What is the category of capability of the EC device (select one)?

Refer to UK Civil Aviation Authority publication CAP 1391 (2nd edition or a later edition)

Basic/transmit only

Intermediate

6 What are the ADS-B messages provided by the device (select all that apply)?

- Airborne position (required)
- Aircraft Identification and Category (required)
- Aircraft Operational Status (required)
- Airborne Velocity (Subtype 1) (optional)
- Extended Squitter Aircraft Status Message (TYPE Code=28) (optional)
- Other (specify)

7 Does the EC device comply with all of the requirements detailed in Table 3 in Chapter 6 of CAP 1391 2nd edition?

- No**
- Yes**

8 Does the EC device comply with all of the requirements detailed in column 3 (TABS Class B position source) in Table 4 in Chapter 6 of CAP 1391 (2nd edition or a later edition)?

In Australia, it is an essential requirement for EC devices to be capable of outputting a Source Integrity Level (SIL) value of 1, hence the CASA requirement to confirm compliance with column 3 (TABS Class B position source) of Table 4. EC devices with a commercial off the shelf (COTS) position source are not acceptable for use in Australia.

- No**
- Yes**

9 Does the EC device output a SIL of 1?

- No**
- Yes**

10 Does the EC device meet the requirements described in paragraph 2.2.3.2.7.2.4.6 of RTCA/DO-260B for transmitting a System Design Assurance (SDA) of 1?

- No**
- Yes**

11 Does the EC device transmit an SDA of 1?

This is an Australian requirement that applies above and beyond the requirements of Chapter 2 of UK Civil Aviation Authority publication CAP 1391 2nd edition.

- No**
- Yes**

12 Does the EC device use a barometric encoder for altitude information?

This is an Australian requirement that applies above and beyond the requirements of CAP 1391.

- No**
- Yes**

13 Have the test requirements of CAP 1391 Chapter 6 paragraph 6.34 been complied with?

- No**
- Yes**

14 Does the EC device operating manual comply with the requirements detailed in CAP 1391 Chapter 6 paragraph 6.35?

- No**
- Yes**

15 Is the RF peak output power of each pulse of each transmitted message at the antenna terminal equal or less than 16 dBW (40W)?

- No**
- Yes**

Checklist

16 Select all that apply:

- EC device's operating manual is attached
- Other supporting evidence (if required), please specify

17 I declare:

- All statements in this application are true and correct and I have read and understood all provisions of the Part 91 Manual of Standards which are relevant to this declaration.
- I am authorised to make this application and hold the role indicated below.

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

- I may commit an offence under the *Criminal Code Act 1995* if I make a false or misleading statement in my application.
- I have used my best efforts to identify all Commonwealth, state and territory environmental protection legislation that governs the use and disposal of EC devices. Relevant matters include, but are not limited to, safe disposal of batteries. I recognise and understand these obligations and will endeavour in good faith to comply with the applicable requirements specified in that legislation.
- 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 application, is protected by the *Privacy Act 1988*.

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

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](#).

Fees

I acknowledge CASA will provide a fee estimate, which will be sent to the contact for this application.

I accept if this application is withdrawn or refused by CASA, or if CASA is unable to assess this application because I have failed to provide the required information and/or documentation, I am liable to pay CASA fees for work conducted.

- 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 application in accordance with that policy.

17 Continued

Full name

Signature

Date (DD/MM/YYYY)

/ /

Role authority

18 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

Choose one option only



By email – send this form with all supporting documents attached to regservices@casa.gov.au



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

CASA Client Services Centre
GPO Box 2005
Canberra ACT 2601