



Declaration of capability and conformance

Electronic Conspicuity (EC) device

Civil Aviation Order 20.18

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 clauses 1 to 5 of Part B of Appendix XIV of CAO 20.18; and
- For 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

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**.



We recommend using Adobe Acrobat to complete this form to ensure your information is saved correctly

Filling in this form

This form can be completed as a **fillable form**:

- Adobe Reader is available free of charge from the Adobe website
- use 'tab' or 'mouse click' to navigate through the form
- 'mouse click' on the '➔ Go to' button to skip to the question

If **printing** this form:

- use black or blue pen and print in BLOCK LETTERS
- mark check boxes with a ✓ or a ✗
- if you see '➔ Go to' go to the question number shown, you do not need to answer the questions in between

Aviation Reference Number (ARN)

An ARN is an identifier that is similar to an account or customer number. You will need an ARN to complete this form.

If you do not have an ARN, apply for an ARN.

If you are applying on behalf of an organisation, you need to provide the organisation's ARN and have authority to act on behalf of the entity.

Contact details

CASA will use the currently held contact details linked to your ARN profile.

If your address, contact or other details have changed, you must update them online using changing your details prior to lodging this form.

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.

Privacy

Any personal information you provide to CASA is protected by the Privacy Act 1988 (Cth). CASA can only collect, use and disclose that information in accordance with that Act.

CASA will use the information collected in this form for purposes associated with performing its functions under civil aviation legislation and other Australian laws.

For full details on how CASA collects, protects and uses personal information, please refer to CASA Privacy Policy.

For more information

Go to the CASA website or call us on 131 757.

Manufacturer details

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

If your address, contact or other details have changed, you must update them using [changing your details](#).

Legal entity/full name

ARN

Contact number

Email address

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

No

Yes

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)

Contact number

Email address

Conformance and capability of EC device

Refer to CAO 20.18 and the UK Civil Aviation Authority publication CAP 1391 2nd 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 Chapter 2 of UK Civil Aviation Authority publication CAP 1391 2nd 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?

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?

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

- 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 CAP 1391.

- 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

Declaration

17 I declare that:

- I am authorised to make this declaration and hold the role indicated below.
- All statements in this declaration are true and correct in every particular and that I have read and understood all provisions of the Civil Aviation Order 20.18 which are relevant to this declaration.
- I understand CASA will use the currently held details to process this declaration and it is my responsibility to ensure my details are correct prior to lodgement.
- I consent to CASA using and disclosing my personal information in accordance with [CASA Privacy Policy](#) including exchanging the information with Commonwealth, State and Territory government agencies.
- I accept that if this declaration is withdrawn or refused by CASA, or if CASA are unable to assess the declaration because I have failed to provide the required information, I am liable to pay CASA fees for work conducted.
- I have attached all required documentation specified in the checklist.
- I acknowledge that to knowingly make a false or misleading statement in this declaration is an offence against the [Criminal Code Act 1995 \(Cth\)](#).

Full name

Signature

Date (DD/MM/YYYY)

/ /

In what capacity are you making this declaration?

For example: Self, Director, Agent

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.

 **Attach authority**

Application fees

Please select the required fee in this application, the total will be automatically tallied below.

Fee code: 24.17 **Total: \$ 190**

Description: Processing of a Declaration of capability and conformance – Electronic Conspicuity (EC) device.

Total
\$

Payment option

I hereby authorise the Civil Aviation Safety Authority to **debit** the following amount from my:

Card number
Mastercard
Visa

Cardholder name (please print)

Expiry (MM/YY)
/

Total Signature

Date (DD/MM/YYYY)

\$

/ /

Receipt Options Applicant **or** Third party (provide details below)

Details of third party


ARN (if applicable)

Email

Legal entity/full name

Contact number

Submit both the Payment Authorisation and Form:

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