

17.1 Overview of Endorsements

This section provides procedures and guidelines for recording aircraft endorsements, helicopter special endorsements and other operational endorsements in pilots' Log Books.

17.2 Aircraft Endorsements

17.2.1 Legislative Basis for Aircraft Endorsements

CAR 5.23 Aircraft endorsements are issued under the authority of CAR 5.23(2). An aircraft endorsement is defined as either a type, class or special design feature endorsement.

CAOs 40.1.0, 40.3.0, 40.4.0, 40.7, 40.8.3 The requirements for issue of aircraft endorsement are set out in the following CAOs:

- Aeroplanes 40.1.0 [see also CAAP 5.23-2(0)]
- Helicopter 40.3.0
- Gyroplanes 40.4.0
- Balloons 40.7
- Airships 40.8.3.

17.2.2 Who May Conduct Conversion Training?

CAR 5.21 A rated Flight Instructor or a person who holds a Conversion Training Approval issued under CAR 5.21(1) may conduct endorsement training

Note: The Flight Instructor or Approved Person is responsible for completing the appropriate training certificate available as part of the FCL manual on the CASA website and forwarding it to the issuing delegate.

The delegate is responsible for sending the training certificate to CASA, together with the Log Book Certification Form.

17.2.3 Who May Issue an Aircraft Endorsement?

CAR 5.23(2) Only a person who holds a delegation under CAR 5.23(2) may issue an aircraft endorsement.

17.2.4 Who May Qualify for an Aircraft Endorsement?

Holders of flight crew licences (see [First Solo Certification](#) below), Special Pilot Licenses (SPECPLs) and/or Certificates of Validation (CVs) may qualify for an aircraft endorsement.

- Note:**
1. A SPECPL is issued to an overseas licence holder and permits him or her to fly Australian-registered aircraft in private operations as long as the overseas licence is valid.
 2. A CV is a temporary permit to fly designed to enable the holder of an overseas licence to fly an Australian-registered aircraft for a particular purpose and specified period.
 3. Further information on SPECPL and CV is available in chapter 5 of the Flight Crew Licensing Procedures Manual.

17.2.5 How Are Endorsements Issued?

Once the applicant has met the requirements of the relevant CAO for issue of the endorsement, the delegate makes an entry to that effect in the applicant's Log Book.

The delegate uses the Log Book record page for aircraft endorsements for this purpose, and enters the appropriate "form of endorsement" for the related aircraft in the manner described in the CAOs.

17.2.6 Class Endorsements

Where the pilot qualifies for an aircraft that is included in a class endorsement, the class endorsement, and not the particular type must be entered in the Log Book. Otherwise, the pilot cannot legally fly other aircraft within that class.

17.2.7 Flow-on Endorsements

The term 'flow-on endorsements' refers to the additional endorsements that a pilot automatically qualifies for on obtaining a type or class endorsement. For example, a pilot who receives a B65 endorsement qualifies for three flow-ons—TWIN BONANZA and the design features, Constant Speed Propeller and Retractable Undercarriage.

CAO [40.1.0](#) As the extended effect of a B65 endorsement is included in Appendix VI of CAO [40.1.0](#), separate Log Book entries for the B65 and TWIN BONANZA are not required. A pilot is deemed to hold the TWIN BONANZA endorsement though only the B65 is recorded in the Log Book.



Flow-on Effect for Aeroplane Special Design Features

CAO 40.1.0 However, CAO 40.1.0 does not currently recognise the flow-on effect of type or class endorsements with respect to special design features. This means the design features must be recorded separately in the Log Book or in combination with the B65 entry.

17.2.8 First Solo Certification

CAR 5.66, 5.68 Under the provisions of CAR 5.68(a), an instructor may send a pre-GFPT student solo, providing he or she is satisfied that the student can “safely fly as pilot in command” the aircraft type in question. In other words, a SPL holder who has not passed GFPT need not hold any type or class endorsement to operate the aircraft solo. The instructor’s permission as per CAR 5.66(2) for the student to fly solo is all that is required.

CAO 40.1.7, 40.3.7 This permission or first solo certification must be made in accordance with either:

- CAO 40.1.7 Appendix III para 2.1 (for aeroplanes)
- or
- CAO 40.3.7 Appendix II para 2.1 (for helicopters).

CAR 5.23(2), 5.68(b) SPL holders who have passed the GFPT and want to operate an aircraft as pilot-in-command must have been awarded a type, class or design feature endorsement. (Refer CAR 5.68(b)) Only a CAR 5.23(2) delegate may enter this endorsement in the front of the Log Book in the endorsements page.

CAR 5.68

SPL holders who have passed the GFPT must have had an aircraft type or class endorsement in their logbooks before they commence the flight test. A student who does not hold a type or class endorsement prior is taken not to having passed the flight test.

A sample of the Certificate of Endorsement on Aircraft Types, Class and Design Features record page is provided in section 4.6.2.

Notwithstanding the above, CAR 5.68 does not preclude the issue of a type, class or design feature endorsement to a person who has not passed GFPT. However, this action is not necessary if the student is covered by CAR 5.68(a).



17.3 Aircraft Endorsements—Procedure

17.3.1 First Solo Certificate

Flight Instructor

1. For a pilot who has not passed the GFPT, enter the first solo certification in the body of the Log Book and not in the Certificates of Endorsement on Aircraft Types, Class and Design Features record page at the front of the Log Book.

Note: You do not need to advise CASA of the Log Book entry.

17.3.2 Type/Class/Design Feature Endorsement

CAR 5.23(2) Delegate

- CAR 5.23(2)
1. Enter the type, class or design feature endorsement in the front of the Log Book in the endorsements page and complete the Log Book Certification Form with the “sticky strip signature”. (You must sign this strip before removal.) **Use your own ARN.**
 2. Affix the “sticky strip signature” from the Log Book Certification Form in the top half of the box next to the Log Book endorsement that you have just entered. Print your name and ARN underneath.
 3. Tear out the top (original) copy of the Log Book Certification Form from the pad and send it, together with the endorsement training certificate completed by the Flight Instructor (there is no flight test, per se, for the endorsement), to the CASA CLARC Office within 14 days of the endorsement.
 4. Keep the carbon (second) copy of the Log Book Certification Form in the pad as your record.

Keep a copy of the training certificate with the copy of the Log Book Certification Form for your company’s training records. (These forms will be referred to when CASA audits your system.)

Note: For an SPL holder who has **not** passed the GFPT, send the flight crew certification and training certificate to CASA when the student passes the GFPT or a higher licence test.

17.4 Helicopter Special Endorsements

17.4.1 Overview of Helicopter Special Endorsements

The term Helicopter Special Endorsements refers to operational endorsements for winching, rappelling and sling load, and endorsements for aircraft fitted with flotation or ski landing gear.

CAR 5.23(2)
CAOs 29.6,
29.11, 40.3.0

Delegates who hold a delegation under CAR 5.23(2) may issue such endorsements if they are satisfied that the applicant meets the requirements of CAOs 29.6, 29.11 and 40.3.0, as appropriate.

17.4.2 Helicopter Special Endorsement—Procedure

CAR 5.23(2) Delegate

1. Follow the procedure described in [Type/Class/Design Feature Endorsement](#) above.
Use the following forms of endorsement.

Forms of Endorsement

- FLOAT ALIGHTING GEAR
- SKI LANDING GEAR
- RAPPELLING OPERATIONS
- WINCHING OPERATIONS
- SLING LOAD ALL HELICOPTERS.

The endorsements may be recorded in the Log Book separately or as a combined entry.

17.5 Recognising Overseas Aircraft Endorsements

Aircraft endorsements obtained overseas may be recognised without the pilot undergoing further examination providing

- The endorsement or its equivalent is listed in the CAOs and
- CASA is satisfied the endorsement held is at least equivalent to the endorsement sought.

The CAOs also permit CASA to recognise training where an overseas endorsement is not issued, providing the training would normally qualify the pilot for the endorsement. This is particularly relevant in cases where the Contracting State only issues licences and other qualifications to nationals or permanent residents of the country.

17.5.1 Recognising an Overseas Aircraft Endorsement—Procedure

5. Refer the overseas applicant to the CASA CLARC Office.

Notes:

1. The applicant must apply to CASA using either [CASA Authorisation on the Basis of Overseas Qualifications—Application](#) (Form 213) or [Aircraft Endorsement on the Basis of Overseas Qualifications—Application](#) (Form 209).
2. The applicant must present to CASA his or her original licence, log book and any other documentation that will support the issue of the overseas endorsement.
3. If the applicant has completed a training course for an endorsement or type rating, but has not been granted the endorsement, he or she must also provide:
 - Full details of the training course or syllabus of training
 - Completion certificate
 - Documents from an overseas training provider that show that the person has satisfactorily undergone training and assessment that CASA is satisfied is equivalent to the training and assessment that would be required in Australia for the issue of the endorsement
 - Documents from the responsible authority of the Contracting State where the training was completed that show that the organisation or individual who conducted the training was approved by the authority at the time of the training and assessment for the issue of the overseas endorsement
 - Information that will enable CASA to verify the documents provided



- A written statement from the relevant government aviation authority where the training was completed, to the effect that the training would qualify the pilot for the endorsement in that Contracting State where possible.
- 4. All documentation must be provided in English, in an official translation where applicable.
- 5. Further information for CASA staff is available in chapter 5 of the Flight Crew Licensing Procedures Manual.

17.6 Recognising ADF Aircraft Endorsements

Aircraft endorsements issued by the Australian Defence Force (ADF) may be recognised without the pilot undergoing further examination providing

- The endorsement or its equivalent is listed in the CAOs and
- CASA is satisfied the endorsement held is at least equivalent to the endorsement sought.

17.6.1 Recognising ADF Aircraft Endorsements—Procedure

1. Refer the ADF applicant to the CASA CLARC Office.
2. Advise the applicant to present to CASA his or her original service log book, together with the [Flight Crew Licence on the Basis of ADF Qualifications—Application \(Form 186\)](#).
3. Further information for CASA staff is available in [Chapter 6](#) of the *Flight Crew Licensing Procedures Manual*.

17.7 Land and Hold Short Endorsements

17.7.1 Overview of Land and Hold Short Endorsements

Land and Hold Short (LAHSO) procedures [previously Simultaneous Runway Operations (SIMOPS)] can be implemented at controlled aerodromes that have suitable runway configurations, and lights and signs in accordance with the AGA standard. LAHSO aerodromes are indicated in ERSA Aerodromes and Facilities section. Refer to table titled LDA for LAHSO under Aerodrome Information. Further information on LAHSO procedures is contained in AIP.

17.7.2 Pilot Qualifications and Training

CAR 217 CAR 217 (or equivalent) AOC holders may approve their pilots to participate in active LAHSO provided the company's operations manual includes a summary of pilot training and certification requirements, type specific instructions for LAHSO operators, and a list of LDAs for runway configurations where company pilots are authorised to participate in active LAHSO.

CASR Part 61 LAHSO active participation has been extended to pilots outside a CAR 217 check and training system. This has been achieved by logbook certification of competency levels with an entry in the format: *LAHSO participation CAO 40.0*.

CAO 40.0

17.8 Night Vision Goggles (NVG) – Helicopter Endorsements

17.8.1 Overview of Night Vision Goggle Endorsements

Night Vision Goggles (NVG) are a head mounted device consisting of a binocular imaging unit, with associated power and counter balance fitments, which uses image intensifying technology to amplify the available ambient light (including low levels of moonlight or starlight) sufficiently for images to be seen through the NVG eyepieces as a monochromatic green image.

Civil Aviation Order 82.6 establishes operational and airworthiness standards and requirements for the use of night vision goggles (NVG) in specialised helicopter operations. Part of the operational standards of CAO 82.6 requires flight crew to be appropriately qualified and endorsed to conduct NVG operations.

17.8.2 Legislative Basis for NVG Qualifications

Reference:

- CAO 82.6
- NVG Endorsements - clause 9 and 10 of Appendix 1 of Section 82.6 of the Orders
 - NVG Qualifications - clause 6 of Appendix 1 of Section 82.6 of the Orders
 - NVG Qualified Pilot – clause 16 of Appendix 3 of Section 82.6 of the Orders
 - NVG Flight Instructor – clause 15 of Appendix 3 of Section 82.6 of the Orders
 - NVG Training and Checking Pilot – clause 17 of Appendix 3 of Section 82.6 of the Orders
 - NVG Testing Officer – clause 14 of Appendix 3 of Section 82.6 of the Orders.

Types of NVG qualifications are listed under Clause 6 of Appendix 1 of Section 82.6 of the Orders. Qualifications that require a log book endorsement, approval or appointment include:

- a. NVG qualified pilot (basic NVG endorsement issued after initial NVG training).
- b. NVG flight Instructor (approval required).
- c. NVG Training and checking pilot (approval required).
- d. NVG Testing officer (appointed by CASA).

NVG endorsements are issued under the authority of clause 9 & 10 of Appendix 1 of Section 82.6 of the Orders.

17.8.3 Who May Conduct Initial NVG Training for the issue of an Initial NVG endorsement?

Reference:

- CAO 82.6
- Training Requirements – clause 8 of Appendix 1 of Section 82.6 of the Orders
 - NVG Flight Instructor – clause 15 of Appendix 3 of Section 82.6 of the Orders
 - Approval to use NVG for the trial – clause 2 of Appendix 1 of Section 82.6 of the Orders
 - Conditions of use of NVG by an AOC holder – clause 9 of Section 82.6 of the Orders.

CAO 82.6 Only an approved NVG flight instructor, employed by an approved operator who holds an NVG flying training AOC, may only conduct NVG initial training.

The NVG flight instructor must be approved by CASA under clause 15 of Appendix 3 of CAO 82.6.

The operator who employs him or her must be approved by CASA, under clause 2 of Appendix 1 of CAO 82.6, as an NVG training provider, or as a TCO, to provide initial NVG training as a permitted operation.

Under subsection 9 of CAO 82.6, the operator must also hold an AOC that authorises NVG flying training.

17.8.4 Who may conduct a flight test and issue an NVG Endorsement?

Reference:

- CAO 82.6
- Flight testing and issuing endorsements – clause 14 of Appendix 1 of Section 82.6 of the Orders

Only an NVG FOI, or an NVG testing officer appointed by CASA specifically for the purpose, may conduct an NVG flight test or issue the NVG qualifications listed below:

- a. An initial NVG pilot qualification.
- b. An NVG flight instructor qualification.
- c. An NVG training and checking pilot qualification.
- d. Recognition of training and experience for clause 10 of this Appendix.

Form 903 NVG Flight Test Assessment Form - Initial Pilot NVG Endorsement will be used when flight testing applicants for the issue of an initial NVG endorsement.



17.8.5 Who may qualify for an NVG endorsement?

Reference:

- CAO 82.6
- NVG endorsements – clause 9 of Appendix 1 of Section 82.6 of the Orders
 - Endorsements based on recognition of training and experience - Clause 10 of Appendix 1 of Section 82.6 of the Orders.

NVG endorsements may only be issued to applicants who meet the qualification requirements of clause 9 & 10 of Appendix 1 of Section 82.6 of the Orders.

17.8.6 How are endorsements issued?

Reference:

- CAO 82.6
- NVG endorsements – clause 9 of Appendix 1 of Section 82.6 of the orders
 - Flight testing and issuing endorsements – clause 14 of Appendix 1 of 82.6 of the orders.

Once the applicant has met the requirements of Section 82.6 of the Orders for issue of the endorsement, the following procedures apply:

1. CASA or a NVG testing officer conducts a flight test under the authority of clause 14 and in accordance with [Form 903 NVG Flight Test Assessment Form - Initial Pilot NVG Endorsement](#).
4. Where a pilot has satisfactorily demonstrated his or her ability to be a NVG pilot, CASA or a NVG testing officer shall certify [Form 903 NVG Flight Test Assessment Form - Initial Pilot NVG Endorsement](#).
5. CASA or the NVG testing officer makes an entry to that effect in the applicant's Log Book using the Log Book record page for Certificate of Endorsement on Aircraft Types, Classes and Design Features for this purpose and enters the endorsement as a Certification of Aircraft Endorsement, Approval and Rating (sticky strip).
6. CASA or the NVG testing officer certifies [Form 903 NVG Flight Test Assessment Form - Initial Pilot NVG Endorsement](#). This form shall be completed in duplicate, with one copy being retained by the testing officer and the applicant shall immediately forward 1 copy to CASA for action.
7. CASA will reflect the change on the Flight Crew License.



17.8.7 NVG Testing Officers

Reference:

- CAO 82.6
- NVG testing officer – clause 14 of Appendix 3 of Section 82.6 of the Orders

An NVG Testing officer is a person appointed under the authority of clause 14 of Appendix 3 of Section 82.6 of the Orders.

To apply to become an appointed NVG testing officer the following process applies:

1. Complete Application [Form 904 NVG Flight Test Assessment Form – NVG Instructor / NVG Check Pilot / NVG Training Pilot / NVG Testing Officer](#) and forward to CASA.
2. CASA completes desktop assessment of applicant.
3. CASA conduct s a flight test under the authority of clause 15 and in accordance with [Form 904 NVG Flight Test Assessment Form – NVG Instructor / NVG Check Pilot / NVG Training Pilot / NVG Testing Officer](#).
4. Where a pilot has satisfactorily demonstrated his or her ability to be a NVG testing officer, CASA shall certify [Form 904 NVG Flight Test Assessment Form – NVG Instructor / NVG Check Pilot / NVG Training Pilot / NVG Testing Officer](#).
5. If successful CASA issues an Instrument of Appointment.

17.8.8 NVG Flight Instructors

Reference:

- CAO 82.6
- NVG Flight Instructor – clause 15 of Appendix 3 of Section 82.6 of the Orders
 - Approval to use NVG for the trial – clause 2 of Appendix 1 of Section 82.6 of the Orders
 - Conditions of use of NVG by an AOC holder – clause 9 of Section 82.6 of the Orders.

CAO 82.6 Only an NVG flight instructor approved by CASA and employed by an approved operator who holds an NVG flying training AOC may instruct for initial NVG pilot qualifications. A NVG flight instructor may not award a NVG endorsement unless he or she is also a NVG testing officer.

CAO 82.6 The NVG flight instructor must be approved by CASA under clause 15 of Appendix 3 of CAO 82.6.

CAO 82.6 The operator who employs him or her must be approved by CASA under clause 2 of Appendix 1 of CAO 82.6, as an NVG training provider, or as a TCO, to provide initial NVG training as a permitted operation.

CAO 82.6 Under subsection 9 of CAO 82.6, the operator must also hold an AOC that authorises NVG flying training.



To apply to become an approved NVG flight instructor the following process applies:

1. Complete Application [Form 904 NVG Flight Test Assessment Form – NVG Instructor / NVG Check Pilot / NVG Training Pilot / NVG Testing Officer](#) and forward to CASA or NVG testing officer.
2. CASA or NVG testing officer completes desktop assessment of applicant.

Note: For the period of the NVG trial CASA will conduct flight tests of NVG flight instructors.

3. CASA or a NVG testing officer conduct flight test under the authority of clause of clause 15 and in accordance with [Form 904 NVG Flight Test Assessment Form – NVG Instructor / NVG Check Pilot / NVG Training Pilot / NVG Testing Officer](#).
4. Where a pilot has satisfactorily demonstrated his or her ability to conduct NVG Instruction, CASA or the NVG testing officer shall certify [Form 904 NVG Flight Test Assessment Form – NVG Instructor / NVG Check Pilot / NVG Training Pilot / NVG Testing Officer](#). This form shall be completed in duplicate, with one copy being retained by the testing officer and the applicant shall immediately forward 1 copy to CASA for action.
5. CASA will review and if found acceptable issue an Instrument of Approval.

Note: The privileges of the approval may not be used prior to its issue.



17.8.9 NVG Training and Checking Pilot

Reference:

- CAO 82.6
- NVG training and checking pilot – clause 17 of Appendix 3 of Section 82.6 of the Orders.

An NVG training pilot approved by CASA on application may not instruct a pilot for Initial NVG pilot qualifications.

Procedures for applying for NVG check and training approvals are contained in section 7.12 of the *Air Operators Certification Manual*, available on the CASA website.

Section 26 – Delegations / Approval

Licence, Rating or Endorsement	Function	Person who May Carry out the Function
<p>CAO 82.6</p> <p>NVG Initial Endorsement</p>	<ul style="list-style-type: none"> • Conduct Training • Conduct flight test & Issue endorsement. 	<ul style="list-style-type: none"> • NVG flight instructor approved under clause 15 of Appendix 3 of Section 82.6 of the orders • The NVG flight instructor must be approved by CASA under clause 15 of Appendix 3 of CAO 82.6. • The operator who employs him or her must be approved by CASA under clause 2 of Appendix 1 of CAO 82.6, as an NVG training provider, or as a TCO, to provide initial NVG training as a permitted operation. • Under subsection 9 of CAO 82.6, the operator must also hold an AOC that authorises NVG flying training. • NVG FOI, or • NVG Testing Officer approved under clause 14 of Appendix 3 of Section 82.6 of the orders.

	Licence, Rating or Endorsement	Function	Person who May Carry out the Function
CAO 82.6	NVG Instructor	<ul style="list-style-type: none"> Conduct flight test Issue approval. 	<ul style="list-style-type: none"> NVG FOI, or NVG Testing Officer approved under clause 14 of Appendix 3 of Section 82.6 of the orders. (for period of the NVG trial CASA will conduct flight tests of NVG instructors) CASA.
CAR 217	NVG Check Pilot	<ul style="list-style-type: none"> Conduct training Conduct flight test Issue approval. 	<ul style="list-style-type: none"> Operator's CAR 217 training organisation NVG FOI (CASA) in accordance with assessment process in AOCM CASA in accordance with clause 17 of Appendix 3 of section 82.6 of the Orders.
CAO 82.6			
CAR 217	NVG Training Pilot	<ul style="list-style-type: none"> Conduct training Conduct flight test Issue approval. 	<ul style="list-style-type: none"> Operator's CAR 217 training organisation NVG FOI (CASA) in accordance with assessment process in AOCM CASA in accordance with clause 17 of Appendix 3 of section 82.6 of the Orders.
CAO 82.6			
CAO 82.6	NVG Testing Officer	<ul style="list-style-type: none"> Conduct test flight for appointment of NVG testing officer Appoint an NVG testing officer. 	<ul style="list-style-type: none"> NVG FOI in accordance with clause 14 of Appendix 3 of section 82.6 of the Orders CASA in accordance with in accordance with clause 14 of Appendix 3 of section 82.6 of the Orders.

Section 27 – Abbreviations

NVG Night Vision Goggles.

AOCM Air Operators Certification Manual.