

AVIATION THEORY

Addendum to:

Night Flight

**CASR Part 61
Flight Crew Licensing**



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Introduction

As of 01SEP2014 the regulations regarding Flight Crew Licensing in Australia were changed. The new regulations are contained in CASR Part 61, extracts of which are contained herein. Please visit the CASA web-site for more comprehensive information.

<http://www.casa.gov.au/scripts/nc.dll?WCMS:PWA::pc=PARTS061>

Regulations relating to the conduct of flight training for these licences, ratings and endorsements, is contained in CASR Part 141 - which came into effect on the same date.

Summary of Changes

The new legislation introduces a new *licence* - the Recreational Pilots Licence (RPL) in addition to the PPL, CPL and ATPL. (Pilots who are current holders of a Recreational Pilots Certificate or have passed the GFPT, may be issued with the RPL after completing a flight review).

Each licence then relates to an aircraft *category* (e.g. aeroplane or helicopter). Within these primary categories, the licence reflects the pilot's competencies by the addition of an aircraft *class rating* or *type rating* (e.g. single-engine, piston or a specified aircraft type). Then there are *operational ratings* such as IR, PIFR and flight instructor. (The previous Command Instrument rating becomes simply an Instrument Rating, (IR)).

Each operational rating is then '*endorsed*', e.g. IR for a single-engine aeroplane (SEA) or Low Level rating (LL) for a helicopter (H).

Additionally, there are *design feature endorsements* for items such as a retractable undercarriage or tailwheel and *flight activity endorsements* for operations such as glider towing, aerobatics or formation flying.

The aircraft class or type rating, operational ratings and endorsements are all displayed on the new licence rather than in the Pilots Log Book. Existing records will be transferred from the log book to the new licence when renewed.

CASR Part 61 is sub-divided into Subparts and the Subparts into Divisions as described below.

Part 61 Flight crew licensing

Subpart 61.A Preliminary

Division 61.A.1 General

Division 61.A.2 Flight time and other aeronautical experience

Division 61.A.3 Performing flight crew duties without licence, rating or endorsement

Subpart 61.B Grant of flight crew licences, ratings and endorsements

Division 61.B.1 General

Division 61.B.2 Flight training and other training

Division 61.B.3 Aeronautical knowledge examinations

Division 61.B.4 Flight tests

Division 61.B.5 English language proficiency

Division 61.B.6 Recognition of overseas flight crew authorisations

Division 61.B.7 Recognition of Australian Defence Force qualifications

Subpart 61.C Certificates of validation

Subpart 61.D General obligations of flight crew licence holders

Subpart 61.E Pilot licensing - general limitations and authorisations

Division 61.E.1 General limitations on exercise of pilot licence privileges

Division 61.E.2 General authorisations for pilot licences

Subpart 61.F Student pilot licences

Subpart 61.G Recreational pilot licences

Division 61.G.1 Privileges and grant of licences

Division 61.G.2 Recreational pilot licence endorsements

Subpart 61.H Private pilot licences

Division 61.H.1 General

Division 61.H.2 Aeronautical experience requirements for private pilot licences – applicants who have completed integrated training courses

Division 61.H.3 Aeronautical experience requirements for private pilot licences – applicants who have not completed integrated training courses

Subpart 61.I Commercial pilot licences

Division 61.I.1 General

Division 61.I.2 Aeronautical experience requirements for commercial pilot licences applicants who have completed integrated training courses

Division 61.I.3 Aeronautical experience requirements for commercial pilot licences applicants who have not completed integrated training courses

Subpart 61.J Multi-crew pilot licences

Subpart 61.K Air transport pilot licences

Subpart 61.L Aircraft ratings and endorsements for pilot licences

Division 61.L.1 Preliminary

Division 61.L.2 Aircraft category ratings

Division 61.L.3 Aircraft class ratings

Division 61.L.4 Design feature endorsements

Division 61.L.5 Pilot type ratings

Division 61.L.6 Cruise relief type rating

Subpart 61.M Instrument ratings

Division 61.M.1 Privileges and requirements for grant of instrument

Division 61.M.2 Privileges and requirements for grant of instrument endorsements

Subpart 61.N Private instrument ratings

Division 61.N.1 Privileges and requirements for grant of private instrument ratings

Division 61.N.2 Privileges and requirements for grant of private instrument endorsements

Subpart 61.O Night VFR ratings

Division 61.O.1 Privileges and requirements for grant of night VFR ratings

Division 61.O.2 Privileges and requirements for grant of night VFR endorsements

Subpart 61.P Night vision imaging system ratings

Division 61.P.1 Privileges and requirements for grant of night vision imaging system ratings
Division 61.P.2 Privileges and requirements for grant of night vision imaging system endorsements

Subpart 61.Q Low-level ratings

Division 61.Q.1 Privileges and requirements for grant of low-level ratings
Division 61.Q.2 Privileges and requirements for grant of low-level endorsements

Subpart 61.R Aerial application ratings

Division 61.R.1 Privileges and requirements for grant of aerial application ratings
Division 61.R.2 Privileges and requirements for grant of aerial application endorsements

Subpart 61.S Flight activity endorsements

Subpart 61.T Pilot instructor ratings

Division 61.T.1 Privileges and requirements for grant of flight instructor ratings
Division 61.T.2 Privileges and requirements for grant of simulator instructor ratings
Division 61.T.3 Obligations of pilot instructors
Division 61.T.4 Privileges and requirements for grant of training endorsements

Subpart 61.U Flight examiner ratings

Division 61.U.1 Privileges and requirements for grant of flight examiner ratings
Division 61.U.2 Obligations of flight examiners
Division 61.U.3 Privileges and requirements for grant of flight examiner endorsements

Subpart 61.V Flight engineer licences

Subpart 61.W Flight engineer type ratings

Subpart 61.X Flight engineer instructor ratings

Division 61.X.1 Privileges and requirements for grant of flight engineer instructor ratings
Division 61.X.2 Obligations of flight engineer instructors
Division 61.X.3 Privileges and requirements for grant of flight engineer training endorsements

Subpart 61.Y Flight engineer examiner ratings

Division 61.Y.1 Privileges and requirements for grant of flight engineer examiner ratings
Division 61.Y.2 Obligations of flight engineer examiners
Division 61.Y.3 Privileges and requirements for grant of flight engineer examiner endorsements

Subpart 61.Z Glider pilot licences

We will hereby look a little more closely at the content of Part 61 as it relates to pilots-under-training. The first element is Pilots Log Books.

Pilots Log Books

61.345 Personal logbooks - pilots

- (1) A person who holds a pilot licence, or a certificate of validation of an overseas flight crew licence that is equivalent to a pilot licence, commits an offence if the person does not keep a personal logbook in accordance with this regulation.
- (2) The person must record his or her full name and date of birth in the person's logbook.
- (3) The person must, as soon as practicable after completing each flight, record the following information in the person's logbook for the flight:
 - (a) the date the flight began;
 - (b) the type of aircraft;
 - (c) whether it was a single-engine or multi-engine aircraft;
 - (d) the aircraft's nationality and registration marks;
 - (e) the take-off and landing points for the flight, and for each segment of the flight;
 - (f) the flight time (if any) flown in each of the following capacities:
 - (i) pilot in command;
 - (ii) co-pilot;
 - (iii) pilot in command under supervision;
 - (iv) pilot receiving flight training;
 - (g) if the person is a flight instructor - any flight time spent exercising the privileges of his or her flight instructor rating;
 - (h) if the person is a flight examiner - any flight time spent exercising the privileges of his or her flight examiner rating;
 - (i) whether the flight was by day or night, or both;
 - (j) any instrument flight time;
 - (k) whether an instrument approach was conducted and, if so, the type of instrument approach procedure.
- (4) The person must, as soon as practicable after completing each simulated flight in a flight simulation training device, record the following information in the person's logbook for the simulated flight:
 - (a) the date the simulated flight began;
 - (b) the type of aircraft represented by the device;
 - (c) the simulated flight time (if any) performed in each of the following capacities:
 - (i) pilot in command;
 - (ii) co-pilot;
 - (iii) pilot in command under supervision;
 - (iv) pilot receiving flight training;
 - (d) if the person is a flight instructor or simulator instructor any time spent exercising the privileges of his or her instructor rating;
 - (e) whether the flight was conducted in simulated day or night conditions, or both;
 - (f) a description of the simulated flight activity.

61.355 Retention of personal logbooks

- (1) A person commits an offence if: the person is required to keep a personal logbook under regulation 61.345 or 61.350; and the person does not retain the logbook for 7 years after the day the last entry is made in it.
- (2) A person commits an offence if the person is required to keep a personal logbook under regulation 61.345 or 61.350 and the person does not ensure that each entry in the logbook is retained unaltered throughout the period mentioned above.

61.360 False entries in personal logbooks

- (1) The holder of a flight crew licence or certificate of validation commits an offence if:
 - (a) the holder makes an entry in his or her personal logbook; and
 - (b) the entry is false or misleading.
- (2) Paragraph (1) (b) does not apply if the entry is not false or misleading in a material particular.
- (3) CASA may give the holder of a flight crew licence or certificate of validation a written direction to correct an entry in his or her personal logbook in accordance with the direction.
- (4) The holder commits an offence if the holder does not comply with the direction within 14 days after the day the direction is given to the person.

61.365 Production of personal logbooks

- (1) CASA may direct the holder of a flight crew licence or certificate of validation to produce the holder's personal logbook for inspection by CASA.
- (2) The holder of a flight crew licence or certificate of validation commits an offence if:
 - (a) CASA directs the holder to produce his or her personal logbook under subregulation (1); and
 - (b) the holder does not produce an up to date version of the personal logbook within 7 days after the day the direction is given.
- (3) If the holder's personal logbook is kept in electronic form, a requirement to produce the logbook is met if:
 - (a) the holder produces a printed copy of the logbook; and
 - (b) each page is certified by the holder as a true copy of the logbook records set out on the page.

Night VFR Ratings

Division 61.O.1 Privileges and requirements for grant of night VFR ratings

61.955 Privileges of night VFR ratings

Subject to Subpart 61.E and regulations 61.960 to 61.970, the holder of a pilot licence and a night VFR rating is authorised to pilot an aircraft at night under the VFR other than in:

- (a) an operation using a night vision imaging system; or
- (b) a night aerial application operation below 500 ft AGL.

Note Subpart 61.E sets out certain limitations that apply to all pilot licences, and ratings and endorsements on pilot licences.

61.960 Limitations on exercise of privileges of night VFR ratings - endorsements

The holder of a night VFR rating is authorised to conduct an activity mentioned in column 2 of an item in table 61.980 only if the holder also holds the endorsement mentioned in column 1 of the item.

61.965 Limitations on exercise of privileges of night VFR ratings - recent experience

The holder of a night VFR rating is authorised to exercise the privileges of the rating in an aircraft of a particular category only if the holder has, within the previous 6 months:

- (a) conducted:
 - (i) at least one night take-off; and
 - (ii) at least one night landing; in an aircraft of that category while controlling the aircraft; or
- (b) been assessed as competent to conduct a flight at night in an aircraft of that category by a flight instructor who holds a night VFR training endorsement.

61.970 Limitations on exercise of privileges of night VFR ratings - flight review

- (1) The holder of a night VFR rating is authorised to pilot an aircraft of a particular category, other than a multi-engine aeroplane or multi-engine helicopter, at night under the VFR only if the holder:
 - (a) has successfully completed a flight review for the rating in an aircraft of the same category or an approved flight simulator for the flight review within the previous 24 months; or
 - (b) has passed a flight test for the rating in an aircraft of the same category or an approved flight simulator for the flight test within the previous 24 months; or
 - (c) has passed a flight test for the grant of a night VFR endorsement in an aircraft of the same category or an approved flight simulator for the flight test:
 - (i) within the previous 24 months; but
 - (ii) more than 6 months after passing the flight test for the rating; or
 - (d) has successfully completed an operator proficiency check that covers night VFR operations in an aircraft of the same category within the previous 24 months; or
 - (e) has successfully participated in an operator's approved cyclic training and proficiency program that covers night VFR operations in an aircraft of the same category within the previous 24 months.
- (2) The holder of a night VFR rating is authorised to pilot a multi-engine aeroplane at night under the VFR only if the holder:
 - (a) has successfully completed a flight review for the rating in a multi-engine aeroplane or an approved flight simulator for the flight review within the previous 24 months; or
 - (b) has passed a flight test for the rating in a multi-engine aeroplane or an approved flight simulator for the flight test within the previous 24 months; or
 - (c) has passed a flight test for the grant of a night VFR endorsement in a multi-engine aeroplane or an approved flight simulator for the flight test:
 - (i) within the previous 24 months; but
 - (ii) more than 6 months after passing the flight test for the rating; or
 - (d) has successfully completed an operator proficiency check that covers night VFR operations in a multi-engine aeroplane within the previous 24 months; or
 - (e) has successfully participated in an operator's approved cyclic training and proficiency program that covers night VFR operations in a multi-engine aeroplane within the previous 24 months.
- (3) The holder of a night VFR rating is authorised to pilot a multi-engine helicopter at night under the VFR only if the holder:
 - (a) has successfully completed a flight review for the rating in a multi-engine helicopter or an approved flight simulator for the flight review within the previous 24 months; or
 - (b) has passed a flight test for the rating in a multi-engine helicopter or an approved flight simulator for the flight test within the previous 24 months; or
 - (c) has passed a flight test for the grant of a night VFR endorsement in a multi-engine helicopter or an approved flight simulator for the flight test:
 - (i) within the previous 24 months; but
 - (ii) more than 6 months after passing the flight test for the rating; or

- (d) has successfully completed an operator proficiency check that covers night VFR operations in a multi-engine helicopter within the previous 24 months; or
- (e) has successfully participated in an operator's approved cyclic training and proficiency program that covers night VFR operations in a multi-engine helicopter within the previous 24 months.

Note For general rules in relation to flight reviews, see regulation 61.400.

61.975 Requirements for grant of night VFR ratings

- (1) An applicant for a night VFR rating must:
 - (a) hold a private pilot licence, commercial pilot licence or air transport pilot licence; and
 - (b) meet the requirements for the grant of at least one endorsement mentioned in column 1 of an item in table 61.980.

Note Paragraph (a) is satisfied if the applicant holds a certificate of validation of an overseas flight crew licence that is equivalent to a private pilot licence, commercial pilot licence or air transport pilot licence: see item 36 of Part 2 of the Dictionary.

- (2) The applicant must also have:
 - (a) as a pilot, at least 10 hours of aeronautical experience at night in an aircraft or an approved flight simulation training device for the purpose, including at least 5 hours of dual cross-country flight time at night under the VFR in an aircraft; and
 - (b) passed the flight test mentioned in the Part 61 Manual of Standards for the night VFR rating.
- (3) The dual cross-country flight time required by paragraph (2)(a) must comprise at least 2 flights, each of which must include at least one landing at an aerodrome, other than the aerodrome from which the flight began, that is remote from extensive ground lighting.

Division 61.O.2 Privileges and requirements for grant of night VFR endorsements

61.980 Kinds of night VFR endorsement

The kinds of night VFR endorsement are set out in column 1 of table 61.980.

Table 61.980 Night VFR endorsements

Item	Column 1 Endorsement	Column 2 Activities authorised	Column 3 Requirements
1	Single-engine aeroplane night VFR endorsement	Pilot an aeroplane of the single-engine aeroplane class at night under the VFR	At least 5 hours of aeronautical experience at night as pilot of an aeroplane or an approved flight simulation training device for the purpose, including at least one hour of dual flight and one hour of solo night circuits At least 3 hours of dual instrument time

2	Multi-engine aeroplane night VFR endorsement	Pilot an aeroplane at night under the VFR	<p>At least 5 hours of aeronautical experience at night as pilot of a multi-engine aeroplane or an approved flight simulation training device for the purpose, including at least one hour of dual flight and one hour of solo night circuits</p> <p>At least 3 hours of dual instrument time</p>
3	Helicopter night VFR endorsement	Pilot a helicopter at night under the VFR	<p>At least 10 hours of aeronautical experience at night as pilot of a helicopter or an approved flight simulation training device for the purpose, including at least 3 hours of dual flight and one hour of solo night circuits</p> <p>At least 3 hours of dual instrument time in a helicopter or approved flight simulation training device for the purpose</p>
4	Powered-lift aircraft night VFR endorsement	Pilot a powered-lift aircraft at night under the VFR	<p>At least 5 hours of aeronautical experience at night as pilot of a helicopter or powered-lift aircraft or an approved flight simulation training device for the purpose, including at least 3 hours of dual flight and one hour of solo night circuits</p> <p>At least 3 hours of dual instrument time</p>
5	Gyroplane night VFR endorsement	Pilot a gyroplane at night under the VFR	<p>At least 5 hours of aeronautical experience at night as pilot of a helicopter or gyroplane or an approved flight simulation training device for the purpose, including at least 3 hours of dual flight and one hour of solo night circuits</p> <p>At least 3 hours of dual instrument time</p>

6	Airship night VFR endorsement	Pilot an airship at night under the VFR	At least 5 hours of aeronautical experience at night as pilot of an airship or an approved flight simulation training device for the purpose, including at least 3 hours of dual flight and one hour of solo night circuits
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61.985 Privileges of night VFR endorsements

Subject to Subpart 61.E and Division 61.O.1, the holder of an endorsement mentioned in column 1 of an item in table 61.980 is authorised to conduct the activity mentioned in column 2 of the item.

Note Subpart 61.E sets out certain limitations that apply to all pilot licences, and ratings and endorsements on pilot licences.

61.990 Requirements for grant of night VFR endorsements

(1) An applicant for an endorsement mentioned in column 1 of an item in table 61.980 must hold a night VFR rating.

Note Subregulation (1) is satisfied, in relation to a required licence, rating or endorsement, if the applicant holds a certificate of validation of an overseas flight crew licence, rating or endorsement that is equivalent to the required licence, rating or endorsement: see item 36 of Part 2 of the Dictionary.

(2) The applicant must also have:

- (a) completed flight training for the endorsement; and
- (b) met the aeronautical experience requirements mentioned in column 3 of the item; and
- (c) passed the flight test mentioned in the Part 61 Manual of Standards for the endorsement.

