



Australian Government
Civil Aviation Safety Authority

Civil Aviation Order 104.0 (Certificates of approval — application, grant and conditions)

made under subregulation 30 (3) of the *Civil Aviation Regulations 1988*.

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1A Name of instrument

1A.1 This instrument is the *Civil Aviation Order 104.0 (Certificates of approval — application, grant and conditions)*.

1 Applicability

1.1 This Order applies to persons seeking or holding a certificate of approval of the kind referred to in regulation 30 of the *Civil Aviation Regulations 1988*.

2 Definitions

2.1 In this Order:

ATA, followed by a number, is a code to indicate that the scope of an excluded system is the same as that described in the same code used in the publications of the Air Transport Association.

authority or type rating holder means a person who holds 1 or more of the following:

- (a) an airworthiness authority under paragraph 33B (1) (a) of CAR 1988 to carry out maintenance on a WHR;

Note The abbreviation WHR is used to denote a class of aircraft comprising Warbirds, Historic aircraft and Replica aircraft and is defined in this section.

- (b) an airworthiness authority under paragraph 33B (1) (d) of CAR 1988 to conduct non-destructive testing (**NDT**) of aircraft and aircraft components;
- (c) an aircraft welding authority under subregulation 33D (1) of CAR 1988;
- (d) an authorisation under subregulation 42ZC (6) of CAR 1988 to carry out maintenance for paragraph 42ZC (4) (e) of CAR 1988;
- (e) a category B1 or B2 licence with a rating for a type rated aircraft type that is a WHR.

Note **Type rated aircraft type** is defined in Part 3 of the Dictionary in CASR 1998.

CAR 1988 means the *Civil Aviation Regulations 1988*.

CASR 1998 means the *Civil Aviation Safety Regulations 1998*.

category B1 licence holder has the same meaning as in subregulation 66.010 (1) of CASR 1998.

category B2 licence holder has the same meaning as in subregulation 66.010 (1) of CASR 1998.

certification authorisation means an authorisation mentioned in paragraph 8.2.

COA holder means a person who holds a certificate of approval under regulation 30 of CAR 1988 for maintenance of aircraft, aircraft components or aircraft materials.

E, followed by a number, is a CASA code used to identify the excluded system and is for reference only.

employed authority or type rating holder means a person who is an authority or type rating holder employed by a COA holder.

excluded system means an excluded system mentioned in Appendix 1.

excluded system employee means an employee of a COA holder who is a category B1 licence holder, or a category B2 licence holder, but whose licence does not permit maintenance on an excluded system mentioned in Appendix 1.

excluded type means a type of aircraft or aircraft engine mentioned in Appendix 2.

excluded type employee means an employee of a COA holder who is a category B1 licence holder, or a category B2 licence holder, but whose licence is not endorsed with a rating or part of a rating for maintenance on an aircraft or an aircraft engine mentioned in Appendix 2.

maintenance manual means the manual prepared for the carrying out of maintenance in accordance with regulation 39 of the *Civil Aviation Regulations 1988*.

Part 1 WHR maintenance means maintenance on a WHR mentioned in Part 1 of the table in Appendix 3 of this Order.

quality control manual for a COA holder means the manual, as approved in writing by CASA, for training and assessment in, and certification authorisation for, the maintenance of aircraft, including a WHR where relevant.

trained WHR employee means a WHR employee of a COA holder who:

- (a) has successfully completed training and assessment in accordance with subsection 8 of this Order; and
- (b) holds a current certification authorisation, under subsection 8 of this Order, from the COA holder authorising the employee to perform particular maintenance on a WHR mentioned in Part 1 of the table in Appendix 3.

unlisted WHR means a WHR that is:

- (a) not mentioned in Part 1 or Part 2 of the table in Appendix 3; or
- (b) deemed by paragraph 8.13 to be an unlisted WHR.

WHR means an aircraft that is:

- (a) either:
 - (i) manufactured in accordance with the requirements of, and accepted for use by, an armed force; or
Note Such an aircraft is colloquially known as a warbird.
 - (ii) an historic or replica aircraft that CASA or an authorised person is satisfied meets the airworthiness requirements for the issue of a standard certificate of airworthiness (except any requirements that are inappropriate for the special purpose for which the aircraft is to be used); and
- (b) issued with:
 - (i) a special certificate of airworthiness for limited category aircraft under regulation 21.189 of CASR 1998; or
 - (ii) an experimental certificate for aircraft under paragraph 21.191 (d) or (e) of CASR 1998.

Note The tables in Parts 1 and 2 of Appendix 3 refer to an aircraft in terms of its combined airframe and engine type as mentioned in the subcolumns of column 1 of the tables.

WHR employee means a person who is an employee of a COA holder and who is 1 of the following:

- (a) a category B1 licence holder in a subcategory that is applicable to the WHR on which he or she proposes to carry out maintenance under subsection 8 of CAO 104.0;
- (b) a category B2 licence holder.

3 Application

- 3.1 Application for the grant of a certificate of approval under regulation 30 of the *Civil Aviation Regulations 1988* must be made on the appropriate form.
- 3.2 The application must be signed by the person seeking approval, by a member of a firm or, in respect of a registered company, by the Public Officer of the Company or under the seal of the Company.

4 Grant of certificate

- 4.1 The holder of a certificate of approval is granted authority, in respect of the activities for which the certificate has been granted, to issue a release note for work carried out or for aircraft components and aircraft materials consigned.
- 4.2 The holder of a certificate of approval granted in accordance with paragraph 3.4 of this Order is authorised under subregulation 41 (2) of the *Civil Aviation Regulations 1988* to carry out maintenance of Australian aircraft outside Australian territory.
- 4.3 The holder of an airline licence, who has been granted a certificate of approval, may grant authority to the following of the holder's employees, subject to the provisions of paragraph 4.4 of this Order, to certify for completion of maintenance in relation to an aircraft to the extent shown:
- (b) any of the holder's employees — to certify for completion of an inspection of an aircraft or aircraft component carried out by the holder of the certificate of approval being an inspection using a dye penetrant, eddy current, magnetic particle, radiographic or ultrasonic method.
- 4.4 An employee must not be granted authority under the provisions of paragraph 4.3 unless the holder of the certificate of approval has:
- (b) ensured by written, oral or practical examination that the employee is competent to determine the satisfactory completion of the maintenance for which he or she is being granted authority to certify; and
 - (c) specified in the holder's maintenance manual, the person, or classes of persons, within the holder's organisation who may, on the holder's behalf, grant authority under paragraph 4.3 and the procedures to be observed for that purpose; and
 - (d) a system which:
 - (i) will disclose who in the holder's organisation granted authority to a person to make a particular certification; and
 - (ii) will disclose whether a certification made by a person granted authority by virtue of paragraph 4.3 is within the scope of the person's authority; and

will indicate to a person signing his or her name on a maintenance document whether or not it constitutes a certification under regulation 34 of the *Civil Aviation Regulations 1988*.

5 Excluded system employees — conditions for COA training and assessment

- 5.1 A COA holder may issue a certification authorisation to an excluded system employee (the *employee*) for carrying out maintenance on an excluded system mentioned in Appendix 1 in accordance with this subsection.
- 5.2 A certification authorisation may only be issued once for the employee, and only for a period of 6 months.
- 5.3 Before issuing the certification authorisation, the COA holder must provide, and the employee must successfully complete, training and assessment in the excluded system.

- 5.4 The training and assessment mentioned in paragraph 5.3 must be in accordance with the COA holder's quality control manual, as approved in writing by CASA for training and assessment in the excluded system.
- 5.5 Before commencing the training and assessment mentioned in paragraph 5.3, the COA holder must be, in respect of maintenance on the excluded system to be performed by the employee:
- (a) a CASA delegate for subregulation 42ZC (6) of CAR 1988, who may authorise a person for the purposes of paragraph 42ZC (3) (d) or 42ZC (4) (e) (as the case requires); or
 - (b) an authorised person for subregulation 42ZC (7), who may authorise a person for the purposes of paragraph 42ZC (3) (d).
- 5.6 The COA holder must give a notice of completion of training and assessment (in the approved form) to the employee and to CASA as soon as the employee has done the following:
- (a) successfully completed the training and assessment in the excluded system; and
 - (b) provided maintenance services that include the performing of maintenance certification or the issuing of certificates of release to service for maintenance under his or her certification authorisation, for a period of 6 months after commencement of the authorisation.

Note Receipt of the notice will enable CASA to consider removal of the relevant exclusion from the employee's rating.

6 Excluded type employees — conditions for COA training and assessment

- 6.1 A COA holder may issue a certification authorisation to an excluded type employee (the *employee*) for carrying out maintenance on an excluded type of aircraft or aircraft engine mentioned in Appendix 2, in accordance with this subsection.
- 6.2 However, a COA holder must not issue a certification authorisation mentioned in paragraph 6.1 for any aircraft engine mentioned in Appendix 2 whose reference is annotated with the words "MTO or CAR 327 only".
- Note* Annotated powerplants (engines) require CASA approved type training which may only be delivered by a CASR Part 147 maintenance training organisation (*MTO*), or by a COA holder to whom regulation 327 of CAR 1988 applies.
- 6.3 A certification authorisation may only be issued once for the employee, and only for a period of 6 months.
- 6.4 Before issuing the certification authorisation, the COA holder must provide, and the employee must successfully complete, training and assessment in the excluded type.
- 6.5 The training and assessment mentioned in paragraph 6.3 must be in accordance with the COA holder's quality control manual, as approved in writing by CASA for training and assessment in the excluded type.

- 6.6 Before commencing the training and assessment mentioned in paragraph 6.3, the COA holder must be, in respect of maintenance on the excluded type to be performed by the employee:
- (a) a CASA delegate for subregulation 42ZC (6) of CAR 1988, who may authorise a person for the purposes of paragraph 42ZC (3) (d) or 42ZC (4) (e) (as the case requires); or
 - (b) an authorised person for subregulation 42ZC (7), who may authorise a person for the purposes of paragraph 42ZC (3) (d).
- 6.7 The COA holder must give a notice of completion of training and assessment (in the approved form) to the employee and to CASA as soon as the employee has done the following:
- (a) successfully completed the training and assessment in the excluded type; and
 - (b) provided maintenance services that include the performing of maintenance certification or the issuing of certificates of release to service for maintenance under his or her certification authorisation, for a period of 6 months after commencement of the authorisation.

Note Receipt of the notice will enable CASA to consider removal of the relevant exclusion from the employee's rating or issuing a relevant rating.

7 Excluded type employees — manufacturer's training and assessment

- 7.1 A COA holder may issue a certification authorisation to an excluded type employee (the *employee*) for carrying out maintenance on an excluded type of aircraft or aircraft engine mentioned in Appendix 2 in accordance with this subsection.
- 7.2 However, a COA holder must not issue a certification authorisation mentioned in paragraph 7.1 for any aircraft engine mentioned in Appendix 2 whose reference is annotated with the words "MTO or CAR 327 only".

Note Annotated powerplants (engines) require CASA approved type training which may only be delivered by a CASR Part 147 MTO, or by a COA holder to whom regulation 327 of CAR 1988 applies.

- 7.3 A certification authorisation for the employee may only be issued once, and only for a period of 6 months.
- 7.4 Before issuing the certification authorisation, the COA holder must be satisfied that the employee has been successfully trained and assessed by the manufacturer of the aircraft or the aircraft engine to perform maintenance on the aircraft or the aircraft engine.
- 7.5 The manufacturer's training and assessment mentioned in paragraph 7.4, and any additional or supplemental training and assessment by the COA holder, must be in accordance with the COA holder's quality control manual as approved in writing by CASA for training and assessment under this subsection.
- 7.6 Before permitting the employee to commence manufacturer's training and assessment mentioned in paragraph 7.4, the COA holder must be, in respect of maintenance on the excluded type to be performed by the employee:
- (a) a CASA delegate for subregulation 42ZC (6) of CAR 1988, who may authorise a person for the purposes of paragraph 42ZC (3) (d) or 42ZC (4) (e) (as the case requires); or

(b) an authorised person for subregulation 42ZC (7), who may authorise a person for the purposes of paragraph 42ZC (3) (d).

7.7 The COA holder must give a notice of completion of training and assessment (in the approved form) to the employee and to CASA as soon as the employee has done the following:

- (a) successfully completed the manufacturer's training and assessment; and
- (b) provided maintenance services that include the performing of maintenance certification or the issuing of certificates of release to service for maintenance under his or her certification authorisation, for a period of 6 months after commencement of the authorisation.

Note Receipt of the notice will enable CASA to consider removal of the relevant exclusion from the employee's rating or issuing a relevant rating.

8AA When subsection 8 takes effect

8AA.1 Subject to this subsection, subsection 8 takes effect for a COA holder on and from 1 October 2014.

8AA.2 If a person becomes a COA holder at any time from 1 October 2013 to 30 September 2014, subsection 8 takes effect for the person as soon as the person becomes a COA holder.

8AA.3 If, immediately before 1 October 2013, a person was a COA holder, subsection 8 takes effect:

- (a) from 1 October 2014; or
- (b) on and from an earlier date agreed to in writing by CASA — but only if, on written application by the COA holder under this subparagraph, CASA:
 - (i) appoints the holder to be a CASA delegate of the kind referred to in paragraph 8.6; and
 - (ii) approves the holder's quality control manual in relation to the training and assessment, and reassessment of competency, referred to in paragraph 8.6.

8AA.4 The applicable provisions of subsection 8 take effect for each of a COA holder's employed authority or type rating holders and WHR employees immediately after subsection 8 takes effect for the COA holder.

8 WHR — conditions for COA training and assessment

Note See also instrument CASA 197/13 containing directions and conditions variously addressed to COA holders and their employees, and to independent LAMEs (as defined in the direction).

8.1 A COA holder:

- (a) must not permit a person to carry out Part 1 WHR maintenance unless the COA holder has issued the person with a certification authorisation for carrying out the maintenance; and
- (b) must ensure that an employee of the COA holder does not carry out Part 1 WHR maintenance except in accordance with a certification authorisation issued under this subsection.

- 8.2 A COA holder may issue a certification authorisation to an employed authority or type rating holder, or a WHR employee, in accordance with this subsection.
- 8.3 Before issuing a certification authorisation to a WHR employee, the COA holder must provide, and the WHR employee must successfully complete, training and assessment in Part 1 WHR maintenance in accordance with the COA holder's quality control manual.
- Note* This training and assessment is not required for an employed authority or type rating holder.
- 8.4 A certification authorisation may only be issued for a period of not more than 2 years.
- 8.5 A certification authorisation may be reissued for further periods of not more than 2 years each:
- (a) to an employed authority or type rating holder; and
 - (b) to a trained WHR employee — but only if, before the reissue, he or she successfully completes the COA holder's reassessment of competency for Part 1 WHR maintenance as provided for in the holder's quality control manual.
- 8.6 Before providing the training and assessment mentioned in paragraph 8.3, or the reassessment of competency mentioned in subparagraph 8.5 (b), the COA holder must, in respect of the Part 1 WHR maintenance, be a CASA delegate for subregulation 42ZC (6) of CAR 1988 who may authorise a person for the purposes of paragraph 42ZC (4) (e).
- 8.7 The COA holder must give a notice of completion of training and assessment, or reassessment, in the approved form, to the WHR employee as soon as the employee has successfully completed the training and assessment, or reassessment, in Part 1 WHR maintenance, and been issued, or reissued, with a certification authorisation.
- Note* With training, assessment and certification authorisation, a WHR employee becomes a trained WHR employee. With reassessment of competency and certification authorisation, a trained WHR employee is permitted to continue as a trained WHR employee. Part 1 WHR maintenance may only be carried out by an employed authority or type rating holder or by a trained WHR employee to whom the COA holder has issued a certification authorisation.
- 8.8 The COA holder must retain in safe custody, for at least 2 years after the WHR employee has left his or her employment with the holder, a perfectly legible copy of any notice of completion mentioned in paragraph 8.7.
- 8.9 For this subsection, a certification authorisation for Part 1 WHR maintenance may only be issued:
- (a) to an employed authority or type rating holder; and
 - (b) to a trained WHR employee — for an aircraft mentioned in an item in column 1 of Part 1 of the table in Appendix 3 but only if the person holds a licence in the category mentioned in the corresponding item in column 2 of Part 1 of the table.
- 8.10 For this subsection, a certification authorisation issued for an aircraft mentioned in an item in column 1 of Part 1 of the table in Appendix 3 may be identified by reference to the suggested identification (if any) mentioned for the item in column 3 of Part 1 of the table.

- 8.11 For this subsection, a COA holder may carry out maintenance on an aircraft mentioned in an item in column 1 of Part 2 of the table in Appendix 3 only if the maintenance is carried out by:
- (a) an employed authority or type rating holder (whether or not the person holds a certification authorisation); or
 - (b) a WHR employee (whether or not the person is a trained WHR employee, and whether or not the person holds a certification authorisation) — but only if the person holds a licence in the category mentioned in the corresponding item in column 2 of Part 2 of the table.
- 8.12 For this subsection, a COA holder may carry out maintenance on an unlisted WHR only if:
- (a) the maintenance is carried out as if the unlisted WHR were a WHR listed in Part 1 of the table in Appendix 3; and
 - (b) each of the requirements under this subsection for Part 1 WHR maintenance (including for qualifications, training, assessment, reassessment, certificate authorisations, delegations, notices and records) applied to maintenance of the unlisted WHR.
- 8.13 For paragraph 8.12, a WHR with an airframe mentioned in column 1 of Part 2 of the table in Appendix 3 whose piston engine type has been modified to be a turbine engine type, is deemed to be an unlisted WHR.

9 Provisions not affected

- 9.1 Subsection 8 does not affect the operation of regulation 42G of CAR 1988.

Note Regulation 42G of CAR 1988 concerns who may be qualified as an “appropriate person” to conduct the independent inspection required when an aircraft flight control system is assembled, adjusted, repaired, modified or replaced in the course of maintenance on the aircraft.

- 9.2 Subsection 8 does not affect the operation of paragraph 42ZC (4) (d) of CAR 1988.

Note 1 Paragraph 42ZC (4) (d) of CAR 1988 concerns maintenance, specified in Schedule 8 of CAR 1988, that may be carried out by a pilot of a Class B aircraft. A WHR is a class B aircraft.

Note 2 Under instrument CASA 155/11, for paragraph 42ZC (4) (e) of CAR 1988, each subcategory B1 licence holder, or category B2 licence holder, is authorised to carry out the maintenance mentioned in Schedule 8 of CAR 1988 on any class B aircraft, including a WHR.

Appendix 1 Excluded systems

Note Excluded systems are sometimes described with the prefix “Excluded”.

E6	Avionic LRUs
E11	Audio CVR systems
E12	Propellers
E13	Hydraulics — ATA29
E14	Vapour cycle air-conditioning aspects of ATA21
E15	Air-conditioning aspects of ATA21
E16	Pressurisation aspects of ATA21
E18	ADF systems
E19	VOR systems
E20	ILS systems
E21	Weather radar systems
E22	ATC transponder systems
E23	Radio altimeter systems
E24	DME systems
E25	Doppler systems
E26	Satellite navigation systems
E27	Autopilots
E28	Multi-axis autopilots
E29	Remote indicating compass systems
E30	Inertial navigation and reference systems
E31	Pressurisation systems
E32	Electrical systems in aircraft equipped with multi-generator powered systems
E33	Supercharging
E34	Digital systems
E35	Pressurised structures
E36	Carburettor systems
E37	Fuel injection systems
E38	Turbo supercharging systems
E39	Airframe ice protection systems
E40	Airframe fire protection systems
E41	Oxygen systems
E42	Landing gear retraction systems
E43	Fabric other than flight controls
E44	Wiring repairs

Appendix 2 Excluded types

PART 1 – AEROPLANES			
Type certificate holder	Aeroplane model	Name	Type rating endorsement
BAE SYSTEMS	Jetstream 3101 Jetstream 3202	Jetstream 31 Jetstream 32/32EP	Jetstream 31/32 (Honeywell TPE331 ^{MTO or CAR 327 only})
HAWKER BEECHCRAFT Corporation	300 300LW B300 B300C	Super King Air Super King Air Super King Air 350 Super King Air 350 C	Beech 300 Series (PWC PT6 ^{MTO or CAR 327 only})
	1900 1900C (C-12J) 1900D	Airliner	Beech 1900 (PWC PT6 ^{MTO or CAR 327 only})
M7 AEROSPACE LP	SA226-T SA226-TC SA226-AT SA226-T(B)		Fairchild SA226 (Honeywell TPE331 ^{MTO or CAR 327 only})
	SA227-AT SA227-TT SA227-CC SA227-DC		Fairchild 227 (Honeywell TPE331 ^{MTO or CAR 327 only})
	SA227-AC SA227-BC	Swearingen Metro	
	SA227-PC	Swearingen Metro	Fairchild SA227 Metro III (PWC PT6 ^{MTO or CAR 327 only})
McDONNELL DOUGLAS Corporation	DC3-G102 DC3-G102A DC3-G103A DC3-G202A		McD DC3 (Wright R1820)
	DC3A-SCG DC3A-SC3G DC3A-S1CG DC3A-S1C3G DC3A-S4C4G DC3C-SC3G DC3C-S1C3G – S4C4G		McD DC3 (PW R1830)

PART 1 – AEROPLANES			
Type certificate holder	Aeroplane model	Name	Type rating endorsement
	DC3C-R-1830-90C DC3D-R-1830-90C		
	DC-4		McD DC4 (PW R2000)
PILATUS AIRCRAFT	PC-12 PC-12/45 PC-12/47 PC-12/47E		Pilatus PC-12 (PWC PT6 ^{MTO or CAR 327 only})
SOCOTA	G73		Grumman G73 (PWC PT6 ^{MTO or CAR 327 only})
<i>Note</i> Annotated powerplants require CASA approved type training.			

PART 2 – HELICOPTERS			
Type certificate holder	Aeroplane model	Name	Type rating endorsement
AGUSTA	A.B.212		Bell 212/Agusta AB212 (PWC PT6 ^{MTO or CAR 327 only})
BELL HELICOPTER TEXTRON	212		
	222SP		Bell 222 (RR Corp 250 ^{MTO or CAR 327 only})
	222 222B 222U		Bell 222 (Honeywell LTS 101 ^{MTO or CAR 327 only})
	412 412EP 412CF		Bell 412/Agusta AB412 (PWC PT6 ^{MTO or CAR 327 only})
AGUSTA	A.B.412 A.B.412 EP		
BELL HELICOPTER CANADA	230	Executive/Utility/ EMS	Bell 230 (RR Corp 250 ^{MTO or CAR 327 only})
BELL HELICOPTER TEXTRON	430		Bell 430 (RR Corp 250 ^{MTO only})

PART 2 – HELICOPTERS			
Type certificate holder	Aeroplane model	Name	Type rating endorsement
EUROCOPTER	SA 365 N	Dauphin 2	Eurocopter SA 365 N (Turbomeca Arriel 1 ^{MTO or CAR 327 only})
	SA 365 N1 SA 365 N2		Eurocopter SA 365 N1, AS 365 N2 (Turbomeca Arriel 1 ^{MTO or CAR 327 only})
<i>Note</i> Annotated powerplants require CASA approved type training.			

Appendix 3 — WHR for the application of subsection 8**Part 1 — for an employed authority or type rating holder and a trained WHR employee — certification required**

Note 1 Only an employed authority or type rating holder or a trained WHR employee, issued with a certification authorisation, may carry out maintenance on these aircraft.

Note 2 The “**Suggested identification for a certification authorisation**” (if any) mentioned in column 3 of the tables in Appendix 3 refers to a suggested means of identifying certification authorisations for Civil Aviation Order 104.0. It is included here for information only.

Aircraft		Licence Categories	Suggested identification for a certification authorisation
Airframe	Engine type		
Aero Vodochody L 29 Delphin	Motorlet M-701C 500	B1.1; B2	L29
Aero Vodochody L 39 Albatross	Ivchenko AI-25TL	B1.1; B2	L 39
BAC Jet Provost	A-S Viper	B1.1; B2	Jet Provost
BAC Strikemaster	Rolls-Royce Viper Mk.535 turbojet	B1.1; B2	Strikemaster
Bell Cobra	Lycoming T53-L-13	B1.3; B2	AH-1G
Bell Iroquois Huey	Lycoming T53-L-11	B1.3; B2	UH series
CAC Sabre	RR Avon	B1.1; B2	Sabre
Cessna Dragonfly	General Electric J85-GE-17A	B1.1; B2	Dragonfly
DH 115 Vampire	DH Goblin	B1.1; B2	DH115
English Electric/Handley Page Canberra	RR Avon	B1.1; B2	Canberra
Folland Gnat	BS Orpheus	B1.1; B2	Gnat
Fouga CM 170 Magister	Turbomeca Marbore	B1.1; B2	CM 170
Gloster Meteor	RR Derwent	B1.1; B2	Meteor
Hawker Hunter	RR Avon	B1.1; B2	Hunter
Lockheed C121 Constellation	Wright R-3350-DA3	B1.2; B2	Constellation
Lockheed P2v Neptune	Wright R-3350 and Westinghouse J 34	B1.1; B1.2; B2	Neptune
Mikoyan Mig 15	Klimov VK 1	B1.1; B2	Mig 15
Mikoyan Mig 17	Klimov VK-1F	B1.1; B2	Mig 17
Mikoyan Mig 21	Tumansky	B1.1; B2	Mig 21
Savoia Marchetti S211	P&W JT15D-4C	B1.1; B2	S211
Soko Galeb	A-S/RR Viper	B1.1; B2	Galeb
TS-11 Iskra	WSK SO-3	B1.1; B2	TS-11

Part 2 — for an employed authority or type rating holder, and a WHR employee whether trained or not — certification authorisation not required

Note An employed authority or type rating holder, a trained WHR employee, and a WHR employee who is not a trained WHR employee, may carry out maintenance on these aircraft.

Aircraft		Licence Categories
Airframe	Engine type	
Aermacchi AM-3 Bosbok	Lycoming	B1.2; B2
AESL CT4/CT6	Cont IO-360	B1.2; B2
Antonov AN2 Colt	Shvetsov	B1.2; B2
Beech 18	PW R 985	B1.2; B2
BA/Klemm Eagle	Gypsy Major	B1.2; B2
BA/Klemm L-25 Swallow	Continental	B1.2; B2
CAC Boomerang	P&W R-1830	B1.2; B2
CAC Mustang	RR/Packard Merlin	B1.2; B2
CAC Winjeel	P&W R-985	B1.2; B2
CAC Wirraway	P&W R-1340	B1.2; B2
Cessna O2A/B	Cont. IO-360	B1.2; B2
Cessna L19/305 Bird Dog	Cont. O-470	B1.2; B2
Comper Swift	Pobjoy/Gypsy Major	B1.2; B2
Consolidated Catalina	PW R-1830	B1.2; B2
Convair CV340	R-2800	B1.2; B2
Curtis P 40	Allison V-1710 RR/Packard Merlin	B1.2; B2
DH 84 Dragon	Gypsy Major	B1.2; B2
DH 89 Dragon Rapide	Gypsy 6	B1.2; B2
DH 83 Fox Moth	Gypsy	B1.2; B2
DH 60 Moth	Gypsy	B1.2; B2
Dh 82 Tiger Moth	Gypsy Major	B1.2; B2
Dh 94 Moth Minor	Gypsy Minor	B1.2; B2
DHA3 Drover	Gypsy Major	B1.2; B2
DHC1 Chipmunk	Piston (various types)	B1.2; B2
DHC 4 Caribou	PW R-2800	B1.2; B2
Douglas A-26/B-26 Attacker/Invader	PW R-2800	B1.2; B2
Douglas C47/DC3	PW R-1830/ Wright R-1820	B1.2; B2
Douglas DC4	PW R-2000	B1.2; B2
Fiat G59	RR/Packard Merlin	B1.2; B2

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Aircraft		Licence Categories
Airframe	Engine type	
Grumman Avenger	Wright R-2600	B1.2; B2
Grumman S2 Tracker	Wright R-1820	B1.2; B2
Hawker Sea Fury	Bristol Centaurus	B1.2; B2
Lockheed Hudson	Wright R-1820	B1.2; B2
Nanchang CJ 6	Zhouzhou	B1.2; B2
North American Mustang	RR/Packard Merlin	B1.2; B2
North American T28	Wright R-1820	B1.2; B2
North American T6/SNJ/Harvard	P&W R-1340	B1.2; B2
Percival Provost Mk1	Alvis Leonides	B1.2; B2
PZL Wilga	Ivchenko	B1.2; B2
Ryan (all)	Menasco Pirate, Gypsy Major	B1.2; B2
Short Scion	Pobjoy	B1.2; B2
Supermarine Spitfire	RR/Packard Merlin	B1.2; B2
Vultee BT 13	P&W R-985	B1.2; B2
Yakovlev Yak-18A/Yak-18T	Vedeneyev	B1.2; B2
Yakovlev Yak 50	Klimov	B1.2; B2
Yakovlev Yak 52	Vedeneyev	B1.2; B2
Auster series	Piston (various types)	B1.2; B2
Piper Cub series	Piston (various types)	B1.2; B2
Cessna 100, 200 series	Piston (various types)	B1.2; B2
Taylorcraft	Piston (various types)	B1.2; B2

Note to Civil Aviation Order 104.0

The Civil Aviation Order (in force under the *Civil Aviation Regulations 1988*) as shown in this document comprises *Civil Aviation Order 104.0 Instrument 2007* amended as indicated in the Table below.

Table of Orders

Year and number	Date of registration on FRLI	Date of commencement	Application, saving or transitional provisions
CAO 104.0 Instrument 2007	21 December 2007 (see F2007L04877)	22 December 2007 (see s. 2)	
CAO 104.0 2011 No. 1	22 June 2011 (see - F2011L01189)	27 June 2011 (see s. 2)	
CAO 104.0 2012 No. 1	4 April 2012 (see - F2012L00789)	5 April 2012 (see s. 2)	
CAO 104.0 2013 No. 1	26 September 2013 (see F2013L01746)	1 October 2013 (see s. 2)	

Table of Amendments

ad. = added or inserted am. = amended rep. = repealed rs. = repealed and substituted

Provision affected	How affected
subs. 1A	ad. CAO 104.0 2012 No. 1
subs. 1	am. CAO 104.0 2012 No. 1
subs. 2	am. CAO 104.0 2012 No. 1, CAO 104.0 2013 No. 1
subs. 3	am. CAO 104.0 2012 No. 1
subs. 4	am. CAO 104.0 2011 No. 1
subs. 5	ad. CAO 104.0 2012 No. 1
subs. 6	ad. CAO 104.0 2012 No. 1
subs. 7	ad. CAO 104.0 2012 No. 1
subs. 8AA	ad. CAO 104.0 2013 No. 1
subs. 8	ad. CAO 104.0 2013 No. 1
subs. 9	ad. CAO 104.0 2013 No. 1
Appendix I	rep. CAO 104.0 2012 No. 1
Appendix 1	ad. CAO 104.0 2012 No. 1
Appendix II	am. CAO 104.0 2011 No. 1 rep. CAO 104.0 2012 No. 1
Appendix 2	ad. CAO 104.0 2012 No. 1
Appendix 3	ad. CAO 104.0 2013 No. 1