



Australian Government
Civil Aviation Safety Authority

I, JOHN FRANCIS McCORMICK, Director of Aviation Safety, on behalf of CASA, make this instrument under subregulation 30 (3) of the *Civil Aviation Regulations 1988*.

[Signed John F. McCormick]

John F. McCormick
Director of Aviation Safety

29 March 2012

Civil Aviation Order 104.0 Amendment Instrument 2012 (No. 1)

1 Name of instrument

This instrument is the *Civil Aviation Order 104.0 Amendment Instrument 2012 (No. 1)*.

2 Commencement

This instrument commences on the day after registration.

3 Amendment of Civil Aviation Order 104.0

Schedule 1 amends Civil Aviation Order 104.0.

Schedule 1 Amendments

[1] Before subsection 1

insert

1A Name of instrument

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

[2] Paragraph 1.1

after

seeking

insert

or holding

[3] Paragraph 2.1, Definitions

insert

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.

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.

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.

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.

[4] Paragraph 3.3 (including the Note)

omit

[5] Paragraph 3.4

omit

[6] After subsection 4

insert

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.

[7] Appendix I

substitute

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

[8] Appendix II

substitute

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 BEEHCRAFT 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})
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.			