Australian Government

Civil Aviation Safety Authority

I, TERENCE LINDSAY FARQUHARSON, Acting Director of Aviation Safety, on behalf of CASA, make this instrument under regulation 66.015 of the *Civil Aviation Safety Regulations 1998*.

[Signed T. Farquharson]
Terry Farquharson
Acting Director of Aviation Safety

11 July 2013

Part 66 Manual of Standards Amendment Instrument 2013 (No. 1)

1 Name of instrument

This instrument is the *Part 66 Manual of Standards Amendment Instrument 2013 (No. 1)*.

2 Commencement

This instrument commences on the day after registration.

3 Amendment of Part 66 Manual of Standards

The Part 66 Manual of Standards (the ***MOS***) is amended as set out in Schedule 1.

4 Interpretation

A reference in Schedule 1 to Appendix IV, followed by a reference to a unit of competency, is a reference to the row in Appendix IV that refers to that unit in the first column (Competency units required).

Example: Appendix IV (MEA211C).

5 Transitional

(1) If an applicant to whom paragraph 66.A.25 (a) or 66.A.30 (b) of the MOS refers was entitled to the issue of a unit of competency (the ***unit***) immediately before the commencement day, and the unit is replaced on the commencement day by a subsequent version of that unit of competency, the applicant is entitled to the new unit of competency.

(2) In subsection (1):

commencement day means the day on which this instrument comes into effect.

Schedule 1 Amendments

[1] Section 66.5, Definitions, after paragraph 66.5 (b)

insert

(c) Unless the contrary intention appears, the term ***carry out maintenance*** includes, within its normal meaning, both the supervision of maintenance and carrying out the physical tasks of maintenance.

[2] Sub-sub-subparagraph 66.A.20 (a) 4 (ii) (C)

substitute

(c) category A licence tasks of a kind mentioned in Appendix II of the Part 145 MOS for the aircraft type rating or ratings held

[3] Sub-sub-subparagraph 66.A.20 (a) 6 (ii) (C)

omit

as line maintenance

insert

as a category A licence task

[4] Section 66.A.20

omit

paragraphs (b) and (c)

[5] Section 66.A.20, Table 1 in the section titled Structures — General (ATA51), after the Note following paragraphs (a) and (b) in column 3 under Conditions or limitations

add

Structures — general		
	(c)	for a category B2 licence — closing of cowlings and refitment of quick access inspection panels.

[6] After section 66.A.20 (including Table 1)

insert

66.A.23 Requalification requirements

(a) For paragraph 66.120 (2) (c) of CASR 1998, the requalification requirements for an A, B1 or B2 aircraft engineer licence holder are:

1. carrying out maintenance of the kind that would be covered by the privileges of any of the licences held, for no less than a total of 100 days; or
2. the holder obtains a report from a Part 147 organisation (an ***MTO***) authorised for category training which states:
   (i) that the holder has been assessed within 28 days of the date of the report; and
   (ii) how the assessment was conducted; and
   (iii) that the MTO has certified that the holder continues to have the knowledge and skills necessary for the holder of an aircraft engineer licence with the ratings on the licence; and

3. in relation to subparagraphs (a) 1 and 2, the holder retains either evidence of carrying out the maintenance, or the report from the MTO, as applicable; and
4. for the purposes of subparagraph (a) 2, the assessment by the MTO must include theory examination and practical assessment in a sampling of the range of maintenance activities that the holder is authorised by their licence to carry out. The report must describe how the assessment by the MTO was performed.

(b) For paragraph 66.120 (2) (c) of CASR 1998, the requalification requirement for a Category C licence holder is that the Part 145 organisation (an ***AMO***) provides the holder with suitable continuing airworthiness experience to ensure that the holder has re-established their knowledge and skill.

[7] Paragraph 66.A.25 (h)

substitute

(h) The qualification (comprised of knowledge, competence and assessments) must have been gained within 5 years of making an application for an aircraft maintenance licence or the addition of a category or subcategory to an aircraft maintenance licence.

[8] Heading to section 66.A.30

substitute

Basic practical experience requirements

[9] Paragraph 66.A.30 (e)

omit

(a)

insert

1.

[10] Paragraph 66.A.30 (e)

omit

(b)

insert

2.

[11] Subparagraph 66.A.45 (d) 2

substitute

2. practical training and assessment as specified in sections 66.A.50 and 66.A.55.

[12] Subparagraph 66.A.45 (d) 3

omit

[13] Paragraph 66.A.45 (h)

omit

(i)

insert

1.

[14] Paragraph 66.A.45 (h)

omit

(ii)

insert

2.

[15] Paragraph 66.A.45 (h)

omit

(iii)

insert

3.

[16] After subparagraph 66.A.45 (h) 3

insert

Note A COA holder, in accordance with CAO 104.0, may also provide type training and assessment for the addition of aircraft type ratings or the removal of exclusions from a Part 66 LAME licence.

[17] Heading to section 66.A.50

substitute

Aircraft type practical training

[18] After paragraph 66.A.50 (b)

insert

(ba) The practical element of type training may be conducted simultaneously with the conduct of the theoretical element or provided separately as a stand-alone element.

(bb) Options for practical training include:

1. PCT; or
2. practical on course (***POC***) training; or
3. structured OJT performed according to a type-specific program.

[19] Heading to section 66.A.55

substitute

On the Job aircraft type Training

[20] Paragraph 66.A.55 (a)

substitute

(a) In the case of a first type rating to be gained, PCT or POC alone is not acceptable for type rating endorsement. In addition to PCT or POC, an applicant must also complete on the job training (***OJT***).

(aa) In the case of a rating in another licence category or subcategory to be obtained after the type rating referred to in paragraph (a):

1. if using POC training, POC training must be supplemented by OJT; and
2. if using PCT training, no supplementation by OJT is required.

[21] Paragraph 66.A.55 (c)

after

conducted

insert

and managed

[22] After paragraph 66.A.55 (c)

insert

(ca) For paragraph (c), the maintenance organisation approved by CASA must be:

1. an approved maintenance organisation (***AMO***) issued with an approval under regulation 145.030 of CASR 1998 to carry out maintenance activities; or
2. an organisation holding a certificate of approval to carry out maintenance activities issued under regulation 30 of the *Civil Aviation Regulations 1988*.

[23] After paragraph 66.A.70 (d)

insert

(e) Units of competency are required as mentioned in Appendix VIII before the removal of an exclusion from a category or subcategory of licence in accordance with paragraph (b).

[24] Appendix I, Part 3, Module 13, item 13.14, Hydraulic power (ATA29), Filters, from column B2

omit

3

insert

1

[25] Appendix III, Part 2, item 5, ATA chapter 08, in columns B1.1, B1.2, B1.3 and B1.4

omit

3

insert

1

[26] Appendix III, Part 2, item 5, ATA chapter 65A, in column 2

after

Tail rotor drive

insert

monitoring and indicating

[27] Appendix III, Part 2, item 5, ATA chapter 25A, in column 2 in the section titled *Aircraft systems*

after

Electronic

insert

equipment including

[28] Appendix III, Part 2, item 5, ATA chapter 29 (second reference), in column 1 in the section titled *Aircraft systems*

omit

29

insert

29A

[29] Appendix III, Part 2, item 5, ATA chapter 32 (second reference), in column 1 in the section titled *Aircraft systems*

omit

32

insert

32A

[30] Appendix III, Part 2, item 5, ATA chapter 36 (second reference), in column 1 in the section titled *Aircraft systems*

omit

36

insert

36A

[31] Appendix III, Part 2, item 5, ATA chapter 73, in column 2 in the section titled *Turbine engines*

omit

controls

insert

control

[32] Appendix III, Part 2, item 5, ATA chapter 73-20, in column 1 in the section titled *Turbine engines*

omit

73-20

insert

73A

[33] Appendix III, Part 2, item 5, ATA chapter 70A, in column 2 in the section titled *Piston engines*

after

operation,

substitute

(carburettors, fuel injection systems, induction, exhaust and cooling systems, supercharging/turbocharging, lubrication systems)

[34] Appendix III, Part 2, item 5, ATA chapter 76, in column 2 in the section titled *Piston engines*

omit

controls

insert

control

[35] Appendix III, Part 2, item 5, ATA chapter 60, in column 1 in the section titled *Aeroplane propellers*

omit

60

insert

60A

[36] Appendix III, Part 2, item 5, ATA chapter 60F, in column 1 in the section titled *Aeroplane propellers*

omit

60F

insert

61F

[37] Appendix III, Part 3

omit

items 2 and 3

[38] Appendix III, Part 3, items 4 and 5

renumber as 2 *and* 3 *respectively*

[39] Appendix III, Part 4, Section B, item 1

before

MTO's

insert

AMO's or

[40] Appendix IV, column 1

omit

MEA105B

insert

MEA105C

[41] Appendix IV, column 1

omit

MEA111B

insert

MEA111C

[42] Appendix IV, column 1

omit

MEA119A

insert

MEA119B

[43] Appendix IV, column 1

omit

MEA142A

insert

MEA142B

[44] Appendix IV, (MEA211C), after X, in columns B1.1 to B1.4

insert

or MEA223D and 227D

[45] Appendix IV, column 1

omit

MEA223C

insert

MEA223D

[46] Appendix IV (MEA223D), in columns B1.1, B1.2, B1.3 and B1.4

insert

X or MEA211C

[47] Appendix IV, column 1

omit

MEA224B

insert

MEA224C

[48] Appendix IV, column 1

omit

MEA225B

insert

MEA225C

[49] Appendix IV, column 1

omit

MEA226C

insert

MEA226D

[50] Appendix IV, column 1

omit

MEA227C

insert

MEA227D

[51] Appendix IV (MEA227D), in columns B1.1, B1.2, B1.3 and B1.4

insert

X or MEA211C

[52] Appendix IV, column 1

omit

MEA228C

insert

MEA228D

[53] Appendix IV, column 1

omit

MEA229C

insert

MEA229D

[54] Appendix IV, column 1

omit

MEA230B

insert

MEA230C

[55] Appendix IV (MEA230C), in column B2

omit

MEA231B

insert

MEA231C

[56] Appendix IV, column 1

omit

MEA231B

insert

MEA231C

[57] Appendix IV (MEA231C), in column B2

omit

MEA230B

insert

MEA230C

[58] Appendix IV, column 1

omit

MEA232B

insert

MEA232C

[59] Appendix IV, column 1

omit

MEA241B

insert

MEA241C

[60] Appendix IV, column 1

omit

MEA303C

insert

MEA303D

[61] Appendix IV (MEA304C), in columns B1.3 and B1.4

omit

MEA317B

insert

MEA317C

[62] Appendix IV, column 1

omit

MEA318B

insert

MEA318C

[63] Appendix IV, column 1

omit

MEA319B

insert

MEA319C

[64] Appendix IV, column 1

omit

MEA320B

insert

MEA320C

[65] Appendix IV, column 1

omit

MEA321B

insert

MEA321C

[66] Appendix IV, column 1

omit

MEA322B

insert

MEA322C

[67] Appendix IV, column 1

omit

MEA328B

insert

MEA328C

[68] Appendix IV, column 1

omit

MEA339A

insert

MEA339C

[69] Appendix IV, new units of competency, after the row that refers to MEA348A in the first column

insert

MEA357A	Inspect, test and repair aircraft fabric surfaces					Z	Z			
MEA358A	Re-cover aircraft fabric surfaces					Z	Z			
MEA359A	Inspect and repair aircraft wooden structures					Z	Z			

[70] Appendix IV (MEA365A), in column A4

omit

X

[71] Appendix IV (MEA365A), in column B1.4

insert

X

[72] Appendix IV (MEA408B and MEA409B)

omit

MEA408B	Inspect and repair aircraft wooden structures					Z	Z			
MEA409B	Inspect, test, repair and re-cover aircraft fabric surfaces					Z	Z			

[73] Appendix IV (MSAENV272B)

omit

Implement and monitor environmentally sustainable work practices

insert

Participate in environmentally sustainable work practices

[74] Appendix IV (MSAENV272B), in columns B1.1, B1.2, B1.3, B1.4 and B2

omit

X

[75] Appendix IV

add at the end

MSAENV472B	Implement and monitor environmentally sustainable work practices					X	X	X	X	X

[76] After Appendix VII

insert

Appendix VIII

Units of competency required for removal of an exclusion from a category or subcategory of licence

Competency Unit(s) required	Title of Exclusion		B1.1	B1.2	B1.3	B1.4	B2
MEA201B MEA203C MEA223D	E1	Excluding electrical systems	X				

Competency Unit(s) required	Title of Exclusion		B1.1	B1.2	B1.3	B1.4	B2
MEA227D MEA246C MEA260B							
MEA201B MEA203C MEA211C MEA246C MEA260B	E1	Excluding electrical systems		X	X	X	
MEA203C MEA223C MEA227D	E1	Excluding electrical systems					X
MEA302C MEA303D MEA305C MEA317C MEA318C MEA320C MEA321C MEA323B MEA325B MEA328C MEA339C MEA365A	E2	Excluding mechanical or structural	X				
MEA302C MEA304C MEA305C MEA309C MEA312C MEA325B MEA328C MEA339C MEA354A MEA365A	E2	Excluding mechanical or structural		X			
MEA302C MEA303D MEA304C MEA308C MEA309C MEA310C MEA316C MEA323B MEA325B MEA328C MEA339C MEA365A	E2	Excluding mechanical or structural			X	X	
MEA306C MEA307C	E3	Excluding powerplant systems	X				

Competency Unit(s) required	Title of Exclusion		B1.1	B1.2	B1.3	B1.4	B2
MEA315C MEA319C MEA322C MEA323B							
MEA306C MEA313C	E3	Excluding powerplant systems		X		X	
MEA306C MEA319C MEA322C MEA323B	E3	Excluding powerplant systems			X		
MEA201B MEA203C MEA223D MEA227D MEA246C MEA260B	E4	Excluding electrical subsystem of mechanical, powerplant or structural systems	X				
MEA201B MEA203C MEA211C MEA246C MEA260B	E4	Excluding electrical subsystem of mechanical, powerplant or structural systems		X	X	X	
MEA203C MEA223D MEA227D	E4	Excluding electrical subsystems of mechanical, powerplant or structural systems					X
MEA201B MEA203C MEA211C MEA246C MEA260B MEA343B	E5	Excluding instrument subsystems of mechanical, powerplant or structural systems	X	X	X	X	
MEA205C MEA207C MEA224C MEA225C MEA226D MEA228D MEA230C MEA231C MEA235B	E5	Excluding instrument subsystems of mechanical, powerplant or structural systems					X
MEA201B MEA203C MEA211C MEA246C MEA260B MEA343B	E6	Excluding avionics LRUs	X	X	X	X	
MEA205C	E6	Excluding avionics LRUs					X

Competency Unit(s) required	Title of Exclusion		B1.1	B1.2	B1.3	B1.4	B2
MEA206C MEA207C MEA224C MEA225C MEA226D MEA228D MEA229D MEA230C MEA231C – may be taken instead of MEA225C and MEA230C where ratings sought are entirely helicopter. MEA232C MEA235B							
MEA201B MEA203C MEA211C MEA246C MEA260B MEA343B	E7	Excluding instrument aspects of avionic systems – ATA22, 27, 31, 34 and 42	X	X	X	X	
MEA205C MEA207C MEA224C MEA225C MEA226D MEA228D MEA230C MEA231C MEA235B	E7	Excluding instrument aspects of avionic systems – ATA22, 27, 31, 34 and 42					X
MEA201B MEA203C MEA211C MEA246C MEA260B MEA343B	E8	Excluding radio aspects of avionic systems – ATA23, 34, 42 and 44	X	X	X	X	
MEA206C MEA207C MEA226D MEA229D MEA232C MEA235B	E8	Excluding radio aspects of avionic systems – ATA23, 34, 42 and 44					X
MEA357A	E9	Excluding fabric surfaces	X	X	X	X	
MEA359A	E10	Excluding wooden structures	X	X	X	X	

Competency Unit(s) required	Title of Exclusion		B1.1	B1.2	B1.3	B1.4	B2
MEA206C MEA215C	E11	Excluding audio CVR systems					X
MEA307C MEA315C	E12	Excluding propellers	X	X			
MEA302C MEA309C	E13	Excluding hydraulics – ATA29	X	X	X	X	
MEA201B MEA246C MEA260B MEA362A	E14	Excluding vapour cycle air-conditioning aspects of ATA21	X	X	X	X	
MEA201B MEA203C MEA211C MEA246C MEA260B MEA303D MEA310C	E15	Excluding air-conditioning aspects of ATA21 (for pressurised aircraft)	X				
MEA201B MEA246C MEA260B MEA355A	E15	Excluding air-conditioning aspects of ATA21 (for unpressurised aircraft and helicopters)	X		X		
MEA201B MEA203C MEA208C MEA211C MEA219C MEA246C MEA260B MEA303D MEA310C MEA317C MEA323B	E16	Excluding pressurisation aspects of ATA21	X				
MEA201B MEA246C MEA356A	E16	Excluding pressurisation aspects of ATA21		X			
	E17	Not allocated					
MEA206C MEA214C	E18	Excluding ADF systems					X
MEA206C MEA214C – or the following 2 units in lieu of MEA214C MEA226D MEA229D	E19	Excluding VOR systems					X
MEA206C MEA207C	E20	Excluding ILS systems					X

Competency Unit(s) required	Title of Exclusion		B1.1	B1.2	B1.3	B1.4	B2
MEA216C							
MEA207C MEA220C	E21	Excluding weather radar systems					X
MEA207C MEA221C	E22	Excluding ATC transponder systems					X
MEA207C MEA221C	E23	Excluding radio altimeter systems					X
MEA207C MEA221C	E24	Excluding DME systems					X
MEA207C MEA221C	E25	Excluding Doppler systems					X
MEA206C MEA207C MEA234C	E26	Excluding satellite navigation systems					X
MEA207C MEA291A	E27	Excluding autopilots					X
MEA207C MEA217C, or MEA218C (if helicopter systems are being maintained)	E28	Excluding multi-axis autopilots					X
MEA205C MEA213C	E29	Excluding remote indicating compass systems					X
MEA207C MEA233C	E30	Excluding inertial navigation and reference systems					X
MEA208C MEA219C	E31	Excluding pressurisation systems					X
MEA202C MEA210C MEA277A	E32	Excluding electrical systems in aircraft equipped with multi-generator powered systems					X
MEA306C MEA313C	E33	Excluding supercharging		X		X	
MEA207C and any one of MEA227D MEA228D MEA229D MEA230C MEA231C MEA232C MEA278A	E34	Excluding digital systems					X
MEA317C MEA339C	E35	Excluding pressurised structures	X	X			
MEA306C	E36	Excluding carburettor		X		X	

Competency Unit(s) required	Title of Exclusion		B1.1	B1.2	B1.3	B1.4	B2
MEA313C		systems					
MEA306C MEA313C	E37	Excluding fuel injection systems		X		X	
MEA306C MEA313C	E38	Excluding turbo supercharging systems		X		X	
MEA303D MEA310C	E39	Excluding airframe ice protection systems	X		X		
MEA303D MEA310C	E40	Excluding airframe fire protection systems	X	X	X	X	
MEA209C MEA222C	E41	Excluding oxygen systems	X	X	X	X	
MEA201B MEA202C MEA210C MEA246C MEA260B MEA302C MEA309C	E42	Excluding landing gear retraction systems	X	X	X	X	
MEA357A	E43	Excluding fabric other than flight controls	X	X	X	X	
MEA201B MEA246C MEA260B	E44	Excluding wiring repairs	X	X	X	X	