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 MEA227DMEA246CMEA260B | E1 | Excluding electrical systems | X |  |  |  |  |
| MEA201B MEA203C MEA211C MEA246CMEA260B | E1 | Excluding electrical systems |  | X | X | X |  |
| MEA203C MEA223CMEA227D | E1 | Excluding electrical systems |  |  |  |  | X |
| MEA302CMEA303DMEA305CMEA317CMEA318CMEA320CMEA321CMEA323BMEA325BMEA328CMEA339CMEA365A | E2 | Excluding mechanical or structural | X |  |  |  |  |
| MEA302CMEA304CMEA305CMEA309CMEA312CMEA325BMEA328CMEA339CMEA354AMEA365A | E2 | Excluding mechanical or structural |  | X |  |  |  |
| MEA302CMEA303DMEA304CMEA308CMEA309CMEA310CMEA316CMEA323BMEA325BMEA328CMEA339CMEA365A | E2 | Excluding mechanical or structural |  |  | X | X |  |
| MEA306CMEA307CMEA315CMEA319CMEA322CMEA323B | E3 | Excluding powerplant systems | X |  |  |  |  |
| MEA306CMEA313C | E3 | Excluding powerplant systems |  | X |  | X |  |
| MEA306CMEA319CMEA322CMEA323B | E3 | Excluding powerplant systems |  |  | X |  |  |
| MEA201B MEA203C MEA223D MEA227DMEA246CMEA260B | E4 | Excluding electrical subsystem of mechanical, powerplant or structural systems | X |  |  |  |  |
| MEA201B MEA203C MEA211C MEA246CMEA260B | E4 | Excluding electrical subsystem of mechanical, powerplant or structural systems |  | X | X | X |  |
| MEA203C MEA223DMEA227D | E4 | Excluding electrical subsystems of mechanical, powerplant or structural systems |  |  |  |  | X |
| MEA201B MEA203C MEA211CMEA246CMEA260BMEA343B | E5 | Excluding instrument subsystems of mechanical, powerplant or structural systems  | X | X | X | X |  |
| MEA205C MEA207CMEA224CMEA225CMEA226DMEA228DMEA230CMEA231CMEA235B | E5 | Excluding instrument subsystems of mechanical, powerplant or structural systems  |  |  |  |  | X |
| MEA201B MEA203C MEA211CMEA246CMEA260BMEA343B | E6 | Excluding avionics LRUs | X | X | X | X |  |
| MEA205C MEA206CMEA207CMEA224CMEA225CMEA226DMEA228DMEA229DMEA230CMEA231C – may be taken instead of MEA225C and MEA230C where ratings sought are entirely helicopter.MEA232CMEA235B | E6 | Excluding avionics LRUs |  |  |  |  | X |
| MEA201B MEA203C MEA211CMEA246CMEA260BMEA343B | E7 | Excluding instrument aspects of avionic systems – ATA22, 27, 31, 34 and 42 | X | X | X | X |  |
| MEA205C MEA207CMEA224CMEA225CMEA226DMEA228DMEA230CMEA231CMEA235B | E7 | Excluding instrument aspects of avionic systems – ATA22, 27, 31, 34 and 42 |  |  |  |  | X |
| MEA201B MEA203CMEA211CMEA246CMEA260BMEA343B | E8 | Excluding radio aspects of avionic systems – ATA23, 34, 42 and 44 | X | X | X | X |  |
| MEA206CMEA207CMEA226DMEA229DMEA232CMEA235B | 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 |  |
| MEA206CMEA215C | E11 | Excluding audio CVR systems |  |  |  |  | X |
| MEA307C MEA315C | E12 | Excluding propellers | X | X |  |  |  |
| MEA302CMEA309C | E13 | Excluding hydraulics – ATA29 | X | X | X | X |  |
| MEA201BMEA246CMEA260BMEA362A | E14 | Excluding vapour cycle air-conditioning aspects of ATA21 | X | X | X | X |  |
| MEA201BMEA203CMEA211CMEA246CMEA260BMEA303DMEA310C | E15 | Excluding air-conditioning aspects of ATA21 (for pressurised aircraft) | X |  |  |  |  |
| MEA201BMEA246CMEA260BMEA355A | E15 | Excluding air-conditioning aspects of ATA21 (for unpressurised aircraft and helicopters) | X |  | X |  |  |
| MEA201BMEA203CMEA208CMEA211CMEA219CMEA246CMEA260BMEA303DMEA310CMEA317CMEA323B | E16 | Excluding pressurisation aspects of ATA21 | X |  |  |  |  |
| MEA201BMEA246CMEA356A | E16 | Excluding pressurisation aspects of ATA21 |  | X |  |  |  |
|  | E17 | Not allocated |  |  |  |  |  |
| MEA206CMEA214C | E18 | Excluding ADF systems |  |  |  |  | X |
| MEA206CMEA214C – or the following 2 units in lieu of MEA214CMEA226DMEA229D | E19 | Excluding VOR systems |  |  |  |  | X |
| MEA206CMEA207CMEA216C | E20 | Excluding ILS systems |  |  |  |  | X |
| MEA207CMEA220C | E21 | Excluding weather radar systems |  |  |  |  | X |
| MEA207CMEA221C | E22 | Excluding ATC transponder systems |  |  |  |  | X |
| MEA207CMEA221C | E23 | Excluding radio altimeter systems |  |  |  |  | X |
| MEA207CMEA221C | E24 | Excluding DME systems |  |  |  |  | X |
| MEA207CMEA221C | E25 | Excluding Doppler systems |  |  |  |  | X |
| MEA206CMEA207CMEA234C | E26 | Excluding satellite navigation systems |  |  |  |  | X |
| MEA207CMEA291A | E27 | Excluding autopilots |  |  |  |  | X |
| MEA207CMEA217C, or MEA218C(if helicopter systems are being maintained) | E28 | Excluding multi-axis autopilots |  |  |  |  | X |
| MEA205CMEA213C | E29 | Excluding remote indicating compass systems |  |  |  |  | X |
| MEA207CMEA233C | E30 | Excluding inertial navigation and reference systems |  |  |  |  | X |
| MEA208CMEA219C | E31 | Excluding pressurisation systems |  |  |  |  | X |
| MEA202CMEA210CMEA277A | E32 | Excluding electrical systems in aircraft equipped with multi-generator powered systems |  |  |  |  | X |
| MEA306CMEA313C | E33 | Excluding supercharging |  | X |  | X |  |
| MEA207Cand any one ofMEA227DMEA228DMEA229DMEA230CMEA231CMEA232CMEA278A | E34 | Excluding digital systems |  |  |  |  | X |
| MEA317CMEA339C | E35 | Excluding pressurised structures | X | X |  |  |  |
| MEA306CMEA313C | E36 | Excluding carburettor systems |  | X |  | X |  |
| MEA306CMEA313C | E37 | Excluding fuel injection systems |  | X |  | X |  |
| MEA306CMEA313C | E38 | Excluding turbo supercharging systems |  | X |  | X |  |
| MEA303DMEA310C | E39 | Excluding airframe ice protection systems | X |  | X |  |  |
| MEA303DMEA310C | E40 | Excluding airframe fire protection systems | X | X | X | X |  |
| MEA209CMEA222C | E41 | Excluding oxygen systems | X | X | X | X |  |
| MEA201BMEA202CMEA210CMEA246CMEA260BMEA302CMEA309C | E42 | Excluding landing gear retraction systems | X | X | X | X |  |
| MEA357A | E43 | Excluding fabric other than flight controls | X | X | X | X |  |
| MEA201BMEA246CMEA260B | E44 | Excluding wiring repairs | X | X | X | X |  |