



**Australian Government**  
**Civil Aviation Safety Authority**

I, JOHN FRANCIS McCORMICK, Director of Aviation Safety, on behalf of CASA, make this instrument under regulation 66.015 of the *Civil Aviation Safety Regulations 1998*.

**[Signed John F. McCormick]**

John F. McCormick  
Director of Aviation Safety

21 June 2011

**Manual of Standards Part 66 Amendment Instrument (No. 2) 2011**

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**1 Name of instrument**

This instrument is the *Manual of Standards Part 66 Amendment Instrument (No. 2) 2011*.

**2 Commencement**

This instrument commences on 27 June 2011 immediately after the commencement of the *Manual of Standards Part 66 Instrument 2011*.

**3 Amendment of *Manual of Standards Part 66 Instrument 2011***

The *Manual of Standards Part 66 Instrument 2011* is amended as set out in Schedule 1.

**Schedule 1 Amendments**

**[1] Section 1**

*substitute*

**66.1A Name of instrument**

This instrument is the Part 66 Manual of Standards (*MOS*).

**[2] Section 2**

*renumber as section 66.1B*

**[3] Section 3**

*repeal*

**[4] Schedule 1, heading**

*omit*

**[5] Schedule 1**

*omit*

**Continuing Airworthiness Aircraft Engineer Licences and Ratings**

**[6] Paragraph 66.5 (b), after the definition of *simple test***

*insert*

**sub system** means a system which, while capable of functioning on its own, is part of a larger system and includes, for this MOS:

1. the electrical sub system comprised of electrical parts, appliances and motors, within mechanical, powerplant and structural systems; or
2. the instrument sub system comprised of avionic systems within mechanical, powerplant and structural systems.

**[7] Sub-subparagraph 66.A.20 (a) 1. (ii)**

*omit*

Appendix V of MOS Part 145

*insert*

Appendix II of the Part 145 MOS

**[8] Subparagraph 66.A.20 (a) 2**

*omit*

that subcategory

*insert*

line

**[9] Sub-subparagraph 66.A.20 (a) 2. (iii)**

*omit*

Appendix V of MOS Part 145

*insert*

Appendix II of the Part 145 MOS

**[10] Subparagraph 66.A.20 (a) 2, after sub-subparagraph 66.A.20 (a) 2. (iii)**

*insert*

and (iv) the aircraft being maintained is covered by the subcategory of licence held;

**[11] Subparagraph 66.A.20 (a) 3**

*omit*

include supervision of maintenance

*insert*

include:

- (i) supervision of maintenance; or

- (ii) for a subcategory A1 licence, maintenance of a propeller-driven aeroplane unless the subcategory A1 licence holder:
  - (A) holds a B1.1 subcategory endorsement that permits the holder to perform maintenance certification on the propeller system of a propeller-driven aeroplane; or
  - (B) is positively endorsed in the subcategory A1 to provide such maintenance.

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

*omit*

MOS Part 145

*insert*

the Part 145 MOS

**[13] Subparagraph 66.A.20 (a) 5**

*omit the first mention of*  
maintenance

*insert*

aircraft

**[14] Subparagraph 66.A.20 (a) 5**

*after the second mention of*  
licence

*insert*

, after maintenance of the aircraft,

**[15] Sub-sub-subparagraph 66.A.20 (a) 6. (ii) (B)**

*omit*

subsystem

*insert*

sub system

**[16] Subparagraph 66.A.20 (a) 7**

*omit the first mention of*  
maintenance

**[17] Sub-subparagraph 66.A.20 (a) 8. (i)**

*omit*

particular type of

**[18] Sub-subparagraph 66.A.20 (a) 8. (ii)**

*omit*

particular type of

**[19] Subparagraph 66.A.20 (b) 1**

*omit*

the licence

*insert*

any of the licences

**[20] Table 1, including the heading**

*substitute*

**Aircraft systems, designations and conditions for Category B1 and Category B2 licences**

<b>Aircraft system (and ATA chapter reference)</b>	<b>Designation of system</b>	<b>Conditions or limitations</b>
Pressurisation, air-conditioning and equipment cooling systems (ATA21)	Mechanical (B1)	For a Category B2 licence, pressurisation control systems, if endorsed on the licence.
Autopilot (ATA22)	Avionic (B2)	
Communications (ATA23), including ELT and underwater locating beacon (ATA25-60)	Avionic (B2)	
Generator and/or constant speed drive/IDG systems (ATA24)	Electrical (B1/B2) and Powerplant (B1)	
Electrical power supply systems, including a ram air turbine, if electrical (ATA24)	Electrical (B1 and B2)	
Equipment, furnishings and emergency equipment (ATA25)	Mechanical (B1)	
Fire, smoke, overheat detecting and extinguishing systems (ATA26)	Mechanical (B1)	
Flight control systems (ATA27)	Mechanical (B1)	
Flight control systems – system operation – fly-by-wire (ATA27)	Avionic (B2)	For a Category B2 licence — limited to the avionic subsystem of the flight control system.

<b>Aircraft system (and ATA chapter reference)</b>	<b>Designation of system</b>	<b>Conditions or limitations</b>
Fuel systems (ATA28)	Mechanical (B1)	
Hydraulic power systems, including ram air turbine (ATA29)	Mechanical (B1)	
Ice and rain protection systems (ATA30)	Mechanical (B1)	
Ice and rain protection systems (ATA30-20)	Mechanical and Powerplant (B1)	Powerplant — for powerplant cowling anti-icing.
Indicating and recording systems (ATA31)	Avionic (B2)	
Landing gear (ATA32)	Mechanical (B1)	
Wheels and brakes (ATA32-40)	Mechanical (B1)	
Lighting (ATA33)	Electrical (B1 and B2)	
Navigation systems: <ul style="list-style-type: none"> <li>• General</li> <li>• Radio interface</li> <li>• ACARS, SELCAL, INS/IRS</li> <li>• Compass</li> <li>• Flight management system</li> <li>• Doppler systems</li> </ul> (ATA34)	Avionic (B2)	For a Category B1 licence — compass swings, if endorsed on the licence.
Oxygen system (ATA35)	Mechanical (B1)	For a Category B2 licence, if endorsed on the licence.
Pneumatic system (ATA36)	Mechanical (B1)	
Vacuum (ATA37)	Mechanical (B1)	
Waste water (ATA38)	Mechanical (B1)	
Cabin intercom data and network systems (ATA42)	Avionic (B2)	
Cabin systems (ATA44)	Avionic (B2)	

<b>Aircraft system (and ATA chapter reference)</b>	<b>Designation of system</b>	<b>Conditions or limitations</b>
Central maintenance system (ATA45)	Avionic (B2)	
Information systems <ul style="list-style-type: none"> <li>• ATIMS</li> <li>• Network server</li> </ul> (ATA46)	Avionic (B2)	
Nitrogen generation system or inert gas system (ATA47)	Mechanical (B1)	
APU (ATA49)	Powerplant (B1)	
Cargo and accessory compartments (ATA50)	Mechanical (B1)	
Structures — General (ATA51)	Structural (B1)	Structures — general, but excluding wooden structures and fabric surfaces unless: <p>(a) for wooden structures — the holder has obtained the relevant optional units of competency mentioned in section 66.A.25 of this MOS; or</p> <p>(b) for fabric surfaces — the holder has obtained the relevant optional units of competency mentioned in section 66.A.25 of this MOS.</p> <p><i>Note</i> These optional units of competency are marked Z in Appendix IV.</p>
Doors (ATA52)	Structural (B1)	
Fuselage (ATA53)	Structural (B1)	
Nacelles and pylons (ATA54)	Structural (B1)	
Stabilisers (ATA55)	Structural (B1)	
Windows (ATA56)	Structural (B1)	
Wings (ATA57)	Structural (B1)	
Propeller — rotor (ATA60)	Mechanical (B1)	
Propeller — propulsion (ATA61)	Powerplant (B1)	For a Category B1 licence, only if the holder has obtained the relevant optional units of competency mentioned in section 66.A.25 of this MOS. <p><i>Note</i> These optional units of competency are marked P in Appendix IV.</p>

<b>Aircraft system (and ATA chapter reference)</b>	<b>Designation of system</b>	<b>Conditions or limitations</b>
Rotor (ATA62)	Mechanical (B1)	
Rotor drives (ATA63)	Mechanical (B1)	
Tail rotor (ATA64)	Mechanical (B1)	
Tail rotor drive (ATA65)	Mechanical (B1)	
Folding blades and pylon (ATA66)	Mechanical (B1)	
Rotor flight control (ATA67)	Mechanical (B1)	
Powerplant (ATA71)	Powerplant (B1)	
Engine turbine/ turbo-prop and fans (ATA72)	Powerplant (B1)	
Engine-mounted accessories: gear boxes, gears, pumps and attached engine-mounted and driven components (ATA72-60)	Powerplant (B1)	
Engine fuel and control — carburation/injection system (ATA73)	Powerplant (B1)	
FADEC (ATA73A)	Avionic (B2)	
Ignition system (ATA74)	Powerplant (B1)	
Air systems and control (ATA75)	Powerplant (B1)	
Engine control system (ATA76)	Powerplant (B1)	
Engine indicating system (ATA77)	Powerplant (B1) and Avionic (B2)	
Exhaust — thrust reverser (ATA78)	Powerplant (B1)	
Lubrication system (ATA79)	Powerplant (B1)	
Starting system	Powerplant (B1)	

<b>Aircraft system (and ATA chapter reference)</b>	<b>Designation of system</b>	<b>Conditions or limitations</b>
(ATA80)		
Supercharging system (ATA81)	Powerplant (B1)	
Power augmentation (ATA82)	Powerplant (B1)	
Accessory drives (ATA83)	Powerplant (B1)	

### **Transitional privileges**

Despite Table 1 and the exclusions annotated on a licence issued under Part 66 of CASR 1998, and to be without doubt, a person who, in accordance with regulation 202.341, 202.342, 202.343 or 202.344, held, or was taken to be entitled to the issue of, an aircraft maintenance engineer licence by:

1. previously holding an engine category Group 1 or 2 rating, or an airframe category Group 1, 2 or 19 rating, may perform maintenance certifications and issue certificates of release to service in relation to any of the following kinds of maintenance and to which that licence and rating applied:
  - (a) for a Category B1 licence, on aircraft:
    - fitted with a single generator; and
    - approved only for V.F.R. operations;
 all electrical maintenance.
  - (b) for a Category B1 licence, on aircraft approved only for V.F.R. operations — for aircraft general instruments (excluding, RMI, inertial navigation, multi-axis autopilots), all instrument system maintenance.
2. previously holding an engine or airframe category rated licence, may perform maintenance certifications and issue certificates of release to service in relation to any of the following kinds of maintenance and to which that licence and rating applied:
 

for a category B1 licence, for structural, powerplant, mechanical, electrical and avionic systems:

  - daily, periodic or manufacturers' equivalent inspection; and
  - check of the condition of security of attachment of wiring, plumbing, parts and appliances; and
  - maintenance of instrument, or electrical, parts and appliances forming part of the airframe system, where the maintenance:
    - is limited to external mechanical adjustments to facilitate correct operation of airframe systems; or
    - is limited to replacement of instrument, or electrical, parts and appliances, connected by simple twist or terminal connectors; and
    - excludes instrument or electrical parts and appliances, where maintenance involves functional tests and adjustments requiring the use of external specialised test equipment.



**[21] Subparagraph 66.A.25 (b) 3**

*omit*

of

*insert*

to

**[22] Paragraph 66.A.25 (c)**

*after*

subcategory

*insert*

A1 or

**[23] Paragraph 66.A.25 (d)**

*after*

subcategory

*insert*

A2 or

**[24] Note after paragraph 66.A.45 (ba)**

*omit*

the CASR 66.010

*insert*

regulation 66.010 of CASR 1998

**[25] Note after paragraph 66.A.45 (bb)**

*omit*

the CASR 66.010

*insert*

regulation 66.010 of CASR 1998

**[26] Paragraph 66.A.45 (h)**

*omit*

approved under section 145.A.37

*insert*

, in accordance with section 145.A.37 of the Part 145 MOS,

**[27] Subparagraph 66.A.45 (h) (ii)**

*omit*

if the subcategory, category and aircraft for the aircraft are

*insert*

for a category or subcategory of licence if the aircraft, system or subsystem is

**[28] Appendix 1, Part 3, Module 7, 7.7**

*omit each mention of*

2

*insert*

3

**[29] Appendix I, Part 3, Module 10, 10.1**

*omit*

CASR Part 42, Part 66, Part 145, Part 147

*insert*

Parts 42, 66, 145 and 147 of CASR 1998

**[30] Appendix I, Part 3, Module 10, 10.2**

*omit*

CASR Part 66

*insert*

Part 66 of CASR 1998

**[31] Appendix I, Part 3, Module 10, 10.3**

*omit*

CASR Part 145

*insert*

Part 145 of CASR 1998

**[32] Appendix I, Part 3, Module 10, 10.6**

*omit*

CASR Part 42

*insert*

Part 42 of CASR 1998

**[33] Appendix II, section 1, subclause 1.11, first sentence**

*omit*

5

*insert*

10

**[34] Appendix II, section 1, subclause 1.12, first sentence**

*omit*

5

*insert*

10

**[35] Appendix II, section 2, subclause 2.18, Category B1**

*omit*

30

*insert*

32

**[36] Appendix III, Part 2, Theoretical element, item 3, Duration:**

*omit*

paragraphs (a) to (e)

*insert*

- (a) times developed during the training needs analysis processes for the theoretical element will be for tuition hours only and exclude any breaks, examinations, revision, preparation and aircraft visit; and
- (b) for standardisation purposes, 1 tuition hour means 60 minutes of teaching; and
- (c) all course applications must be supported by a detailed training needs analysis.

**[37] Appendix III, Part 4, A, paragraph (d)**

*omit*

The

*insert*

Subject to paragraph (j), the

**[38] Appendix III, Part 4, A, paragraph (j)**

*omit*

an excessive number

*insert*

more than 25%

**[39] Appendix V and Note**

*substitute the following Appendix and Note*

**Appendix V**

**Recognised States**

Nil

*Note* New Zealand has a status under the Trans-Tasman Mutual Recognition Agreement that is equivalent to that of a recognised State.

**[40] Appendix VI**

*substitute*

**Appendix VI**

**Excluded States**

Nil

## [41] Appendix VII

### *omit*

all words after the Note

### *insert*

- E6 Excluding avionic LRUs
- E11 Excluding audio CVR systems
- E12 Excluding propellers
- E13 Excluding hydraulics — ATA29
- E14 Excluding vapour cycle air-conditioning aspects of ATA21
- E15 Excluding air-conditioning aspects of ATA21
- E16 Excluding pressurisation aspects of ATA21
- E18 Excluding ADF systems
- E19 Excluding VOR systems
- E20 Excluding ILS systems
- E21 Excluding weather radar systems
- E22 Excluding ATC transponder systems
- E23 Excluding radio altimeter systems
- E24 Excluding DME systems
- E25 Excluding doppler systems
- E26 Excluding satellite navigation systems
- E27 Excluding autopilots
- E28 Excluding multi-axis autopilots
- E29 Excluding remote indicating compass systems
- E30 Excluding inertial navigation and reference systems
- E31 Excluding pressurisation systems
- E32 Excluding electrical systems in aircraft equipped with multi-generator powered systems
- E33 Excluding supercharging
- E34 Excluding digital systems
- E35 Excluding pressurised structures
- E36 Excluding carburettor systems
- E37 Excluding fuel injection systems
- E38 Excluding turbo supercharging systems
- E39 Excluding airframe ice protection systems
- E40 Excluding airframe fire protection systems
- E41 Excluding oxygen systems
- E42 Excluding landing gear retraction systems
- E43 Excluding fabric other than flight controls
- E44 Excluding wiring repairs