

Australian Government

Civil Aviation SafetyAuthority

I, PHILIPPA JILLIAN SPENCE, Director of Aviation Safety, on behalf of CASA, make this instrument under regulation 101.028 of the *Civil Aviation Safety Regulations 1998*.

[Signed P. Spence] Pip Spence Director of Aviation Safety

30 March 2022

Part 101 Manual of Standards (Miscellaneous Revisions) Amendment Instrument 2022 (No. 1)

1 Name of instrument

This instrument is the Part 101 Manual of Standards (Miscellaneous Revisions) Amendment Instrument 2022 (No. 1).

2 Commencement

This instrument commences on 1 April 2022.

3 Amendment of the Part 101 Manual of Standards

Schedule 1 amends the Part 101 (Unmanned Aircraft and Rockets) Manual of Standards Instrument 2019.

Schedule 1 Amendments

[1] Section 1.03, the Table, Item 1A

omit

10 April 2022

insert

10 April 2024

[2] Subsection 1.04 (2), definition of tethered operation

repeal and substitute

tethered operation means use of an RPA in circumstances in which an RPA is flown while securely attached to a lead that:

- (a) is no longer than 150 ft, unless a provision of this MOS provides for a longer lead; and
- (b) makes it impossible for the RPA to escape and fly away during normal, abnormal or emergency operations.

[3] Subsection 1.04 (2)

insert

measurement point means any point on the actual or notional centreline of a runway between the 2 threshold centrepoints.

test flight, for an RPA or model aircraft, means a flight of the aircraft solely to test all or any of the following to determine that they or it is in working order and in a condition for safe operation:

- (a) the aircraft;
- (b) the aircraft system;
- (c) any equipment associated with the aircraft or the aircraft system.

threshold, for a runway, means the beginning of that portion of the runway usable for landing.

Note This definition also applies to a runway that is a grass landing strip, whether or not the threshold is marked with markers.

threshold centrepoint, for a runway, means the point on the threshold of the runway at which the centreline of the runway intersects (or would insect if there were a centreline) the threshold.

[4] Section 2.04

repeal and substitute

2.04 Aeronautical radio

Note CASA is developing guidance material for RePL training organisations which will include guidance on aerial radio operator certificates (AROCs) and General English Language Proficiency (GELP).

[5] Subsection 2.06 (1), the Note

repeal

[6] Section 4.01, the chapeau

omit

Division

insert

Chapter

[7] Section 4.02, the chapeau

omit

Division

insert

Chapter

[8] Section 4.02

omit

section 4.06 (wherever occurring)

insert

section 4.05

[9] Section 4.02, paragraph (a) of definition of *no-fly zone of a controlled aerodrome*

omit

of the movement area

insert

, in any direction, from the measurement point of any runway

[10] Section 4.02, paragraph (b) of definition of *no-fly zone of a controlled aerodrome*

omit

of the movement area

insert

, in any direction, from the measurement point of any runway

[11] Section 4.02, definition of RPA

omit

Division

insert

Chapter

[12] Section 4.04, the heading

repeal and substitute

4.04 Approval to operate an RPA in a no-fly zone of a controlled aerodrome — tethered and indoors operations

[13] Subsection 4.04 (3), including the Note

repeal and substitute

- (3) For a tethered operation in the no-fly zone of a controlled aerodrome, the certified RPA operator must:
 - (a) use a tether that is no longer than 150 ft; and
 - (b) ensure that the RPA is not operated higher than 150 ft above the aerodrome elevation; and

Note The aerodrome elevation can be determined from the aerodrome obstacle limitation data (OLS data).

- (c) conduct the tethered operation in accordance with the operator's documented practices and procedures for operations under this Chapter; and
- (d) submit a notification to ATC before the operation of the RPA; and
- (e) ensure that the RPA is flown in accordance with any instructions issued by ATC; and
- (f) ensure that:
 - (i) the RPA is flown within the area that is shaded grey for the controlled aerodrome; or
 - (ii) if the RPA is flown within the area that is shaded black for the controlled aerodrome, the RPA is not flown within 3 NM from the measurement point of any runway of the controlled aerodrome.

Note The designation of controlled aerodromes and controlled airspace is made in the *Determination of airspace and controlled aerodromes etc.*, as in force from time to time. This is a legislative instrument revised and reissued by CASA approximately every 6 months. Controlled aerodrome information in the Determination in force at any particular time is also published by Airservices Australia in the *Designated Airspace Handbook*.

[14] Section 4.05

repeal and substitute

4.05 Approach and departure paths — controlled aerodromes

(1) Figure 4.05 (1)-1 shows the approach and departure paths of a controlled aerodrome.

Note Figure 4.05 (1)-2 illustrates 1 example of a multi-runway scenario to which the requirements in this Chapter apply in the same way as for a single runway. Application of the requirements does not affect the black-shaded areas but produces overlapping grey-shaded areas, and what would otherwise be a grey-shaded area becomes a black-shaded area because of the intersection of the runways.

- (2) As shown in Figure 4.05 (1)-1, the approach and departure path is up to 400 ft, as follows:
 - (a) anywhere on or from the ground upwards in the area that is the runway or the runway strip;
 - (b) anywhere in the following areas which are the approach and departure paths for the controlled aerodrome:
 - (i) subject to subparagraph (ii) on or from the ground upwards in the area that is shaded black to a distance of 7 km from the end of the runway strip;
 - (ii) anywhere from 300 ft (90 m) above the ground (referenced to the aerodrome elevation) in the area that is between 7 km and 8.5 km from the end of the runway strip (the *area that is crosshatched*);
 - (c) anywhere from 150 ft (45 m) above the ground (referenced to the aerodrome elevation) in the area that is shaded grey.
- (3) The area that is shaded black, which shows the approach and departure paths and the ground below them, is described as comprising the following:
 - (a) a symmetrical trapezoids with the shorter side coincident with the ends of a nominal 100 m wide runway strip and extending out at an angle of 15 degrees on either side to a distance of 8.5 km;
 - (b) a rectangle extending 500 m on either side of the runway centreline and overlying the runway strip until it intersects the trapezoids of the approach and departure paths.
- (4) The area that is shaded grey is an area that extends 3 NM in all directions from the measurement point.

[15] Section 4.05, Figure 4.05 (1)-1 and Figure 4.05 (1)-2

repeal and substitute



Figure 4.05 (1)-1 Controlled aerodromes approach and departure paths (shows matters, but shape only illustrates matters)

[16] Section 4.05, Figure 4.05 (1)-3: Intersecting runways (illustrates matters), the caption

repeal and substitute

Figure 4.05 (1)-2: Intersecting runways (illustrates matters)

[17] Paragraph 5.11 (2) (c)

omit

of the movement area

insert

, in any direction, from the measurement point of any runway

[18] Section 9.01

omit

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101.247 (1)
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insert

101.066

[19] Section 9.02, paragraph (b) of definition of *no-fly zone of an HLS*

omit

diameter of 1.5 NM

insert

a radius of 0.75 NM

[20] Section 9.02, paragraph (a) of definition of *no-fly zone* of a *non-controlled aerodrome*

omit

of the movement area

insert

, in any direction, from the measurement point of any runway

[21] Section 9.02, paragraph (b) of definition of *no-fly zone of a non-controlled aerodrome*

omit

of the movement area

insert

, in any direction, from the measurement point of any runway

[22] Section 9.02, definition of no-fly zone of a non-controlled aerodrome

insert

Note If the runway is a grass landing strip, the threshold centrepoint of the runway is the point on the threshold of the runway at which the notional centreline of the runway would insect the threshold.

[23] Section 9.05, the heading

repeal and substitute

9.05 Approval to operate an RPA in a no-fly zone of a non-controlled aerodrome — tethered and indoors operations

[24] Subsection 9.05 (3)

repeal and substitute

- (3) For a tethered operation in the no-fly zone of a non-controlled aerodrome, the certified RPA operator must:
 - (a) use a tether that is no longer than 150 ft; and
 - (b) ensure that the RPA is not operated higher than 150 ft above the aerodrome elevation; and

Note The aerodrome elevation can be determined from the aerodrome obstacle limitation data (OLS data).

- (c) conduct the tethered operation in accordance with the operator's documented practices and procedures for operations under this Division; and
- (d) ensure that:
 - (i) the RPA is flown within the area that is shaded grey for the non-controlled aerodrome; or
 - (ii) if the RPA is flown within the area that is shaded black for the non-controlled aerodrome, the RPA is not flown within 3 NM from the measurement point of any runway of the non-controlled aerodrome.

[25] Section 9.06

repeal and substitute

9.06 Approach and departure paths — non-controlled aerodromes

(1) Figure 9.06 (1)-1 shows the approach and departure paths of a non-controlled certified aerodrome.

Note Figure 9.06 (1)-2 illustrates a cross-runways scenario to which the requirements in this Division apply in the same way as for a single runway. Application of the requirements does not affect the black-shaded areas but produces overlapping grey-shaded areas, and what would otherwise be a grey-shaded area becomes a black-shaded area because of the intersection of the runways.

- (2) As shown in Figure 9.06 (1)-1, the approach and departure path is up to 400 ft, as follows:
 - (a) anywhere on or from the ground upwards in the area that is the runway or the runway strip;
 - (b) anywhere in the following areas which are the approach and departure paths for the non-controlled aerodrome:
 - (i) on or from the ground upwards in the area that is shaded black to a distance of 7 km from the end of the runway strip;
 - (ii) anywhere from 150 ft (45 m) above the ground (referenced to the aerodrome elevation) in the area that is shaded grey.
- (3) The area that is shaded black, which shows the approach and departure paths and the ground below them, is described as comprising the following:
 - (a) a symmetrical trapezoids with the shorter side coincident with the ends of a nominal 100 m wide runway strip and extending out at an angle of 15 degrees on either side to a distance of 8.5 km;
 - (b) a rectangle extending 500 m on either side of the runway centreline and overlying the runway strip until it intersects the trapezoids of the approach and departure paths.
- (4) The area that is shaded grey is an area that extends 3 NM in all directions from the measurement point.

[26] Section 9.06, Figure 9.06 (1)-1 and Figure 9.06 (1)-2

repeal and substitute



Figure 9.06 (1)-1 Non-controlled aerodromes approach and departure paths (shows matters, but shape only illustrates matters)

[27] Section 9.06, Figure 9.06 (1)-3: Intersecting runways (illustrates matters), the caption

repeal and substitute

Figure 9.06 (1)-2: Intersecting runways (illustrates matters)

[28] Chapter 10, the heading

repeal and substitute

CHAPTER 10 RECORD KEEPING FOR CERTAIN RPA AND MODEL AIRCRAFT

[29] After section 10.17

insert

10.18 Model aircraft — information required

- (1) For paragraph 101.028 (b) of CASR, this section applies to a person who has registered a model aircraft.
- (2) If:
 - (a) the person has used their myCASA account to give CASA any personal or commercial identification, or contact details, or any other information; and
 - (b) any of the details or information changes;

then the person must use their myCASA account to update the details or information not more than 21 days after the change.

- (3) A person must, as soon as practicable, give CASA specified operational information about the registered model aircraft, if CASA:
 - (a) considers that the information is necessary for the purposes of aviation safety; and
 - (b) requests the information in writing; and
 - (c) explains in the request why the information is necessary for aviation safety.

[30] Chapter 11

repeal and substitute

CHAPTER 11 TEST FLIGHTS

Division 11.1 Circumstances in which an RPA or model aircraft may be operated for test flights without registration

11.01 Purpose

For subregulation 101.099B (1) of CASR, this Division prescribes the circumstances in which:

(a) an RPA or a model aircraft that is not required to be registered under Division 47.C.1 of CASR, and is not registered under Division 47.C.2, may be operated for the purposes of a test flight; and

Note 1 For operations, all RPA are required to be registered, generally under Division 47.C.2, unless specifically excluded by CASA (see subregulation 47.015 (1B)) or unless conducting a test flight in accordance with this Chapter.

Note 2 In general terms, from a prescribed date, a model aircraft must be registered under Division 47.C.2 of CASR unless it is a glider; or it has a gross weight of no more than 250 g; or (c) it has a gross weight of more than 250 g, but is operated only indoors and/or in a prescribed area (see subregulation 101.374B (3)) or unless conducting a test flight in accordance with this Chapter.

(b) an aircraft that is registered as a model aircraft under Division 47.C.2 (a *relevant model aircraft*) may be operated as an RPA for the purposes of a test flight.

11.02 Circumstances

- (1) For paragraph 11.01 (1) (a), the circumstances are when the RPA or a model aircraft (the *relevant aircraft*) is operated for any of the following purposes, provided that the operation is relevant to the development, manufacture, repair or maintenance of the relevant aircraft or its aircraft system (the *relevant system*), or of equipment associated with the relevant aircraft or its aircraft system (*relevant equipment*):
 - (a) a test flight conducted by, or at the request of, the manufacturer developing the relevant aircraft, system or equipment, and for the purpose of such development;
 - (b) a test flight, following the manufacture of the relevant aircraft, system or equipment, that is conducted:
 - (i) by, or at the request of, the manufacturer of the relevant aircraft, system or equipment; and
 - (ii) before it is provided to the initial purchaser of the relevant aircraft, system or equipment;

- (c) a test flight following the fitting of relevant equipment to a relevant aircraft or system, that is conducted by, or at the request of, the person who fitted the equipment;
- (d) a test flight before or after repair or maintenance of the relevant aircraft, system or equipment, that is conducted by, or at the request of, the person who carried out, or will carry out, the maintenance or repair.
- (2) For paragraph 11.01 (1) (b), the circumstances are when the relevant model aircraft is operated for any of the purposes mentioned in subsection (1).

Division 11.2 Requirements relating to the operation of an RPA or a model aircraft that is operated for test flights without registration

11.03 Purpose

For subregulation 101.099B (3) of CASR, this Division prescribes the requirements relating to the operation of an RPA or a model aircraft mentioned in subsection 11.01 (1) (a *relevant aircraft*) for the purposes of a test flight.

11.03 Requirements

- (1) For section 11.03, the person who operates a relevant aircraft for a test flight (the *relevant operator*) must prepare a written record of the test flight (the *record*) that includes the following:
 - (a) the serial number of the relevant aircraft flown;
 - (b) the name, address and ARN (if any) of the owner of relevant aircraft;
 - (c) the time and date of the test flight;
 - (d) the location of the test flight;
 - (e) the reason for the test flight; *Note* See section 11.02 for the permitted reasons.
 - (f) any accident, incident or malfunction that occurred during the test flight;
 - (g) the name of the relevant operator.
- (2) The relevant operator must prepare the record as soon as possible after the test flight is completed, and must sign and date the record.
- (3) The relevant operator, or the employer of the relevant operator (the *keeper*) must keep the record, securely and retrievably, for 3 years from the date of the test flight (a *current record*).
- (4) The keeper must give to CASA, on written request, a complete and legible hard or soft copy of a current record.
- (5) Neither the relevant operator nor the employer of the relevant operator may disclose a current record, or the information in a current record, to a person other than CASA unless:
 - (a) the disclosure has the consent of the owner of the relevant aircraft; or
 - (b) the disclosure is required by law.

[31] Item 3 of Unit 2 in Appendix 1 of Schedule 4

repeal and substitute

3	NOTAMs			
	(a) obtaining NOTAMs for operational areas;			
	(b) decoding NOTAMs.			
	NOTAM publication	С		
	(c) Submitting a NOTAM for publication.			

[32] Item 4 of Unit 2 in Appendix 1 of Schedule 4

repeal and substitute

4	Form of the earth, aeronautical charts and maps					
	(a) features on an aeronautical chart (other than airspace);					
	(b) cardinal and ordinal points of the compass;					
	(c) latitude and longitude;					
	(d) depiction of height and elevation on charts;					
	(e) distance on the earth and in charts;					
	(f) magnetic variation;					
	(g) relationship between magnetic heading and magnetic bearing.					
5	Electronic flight bag					
	(a) electronic maps and charts;					
	(b) CASA verified drone safety app.					

[33] Subparagraph (a) (i) in item 8 of Unit 6, Appendix 1 of Schedule 4

repeal and substitute

(i) the location at an aerodrome of each runway threshold, each runway threshold centrepoint, and the movement areas;

[34] The heading in column 1 of Item 1 of Unit 23 in Appendix 2 of Schedule 5

omit

Enter and recover from stall

insert

Enter and recover from stall (if applicable to the RPA)

[35] Paragraphs (b) and (c) in column 3 of Item 1 of Unit 23 in Appendix 2 of Schedule 5

repeal and substitute

(b) the RPA at high and low heights.

[36] Paragraphs (e) and (f) in column 1 of Item 1 of Unit 27 in Appendix 3 of Schedule 5

repeal and substitute

- (e) perform an 8-point pirouette pausing at each point without GPS hold;
- (f) perform a 360-degree level turn without GPS hold.

[37] Paragraphs (b) and (c) in column 3 of Item 1 of Unit 32 in Appendix 4 of Schedule 5

repeal and substitute

(b) the RPA at high and low heights.

[38] The heading in column 1 of Item 2 of Unit 34 in Appendix 5 of Schedule 5

omit

Launch and hover

insert

Launch and hover (if applicable to the RPA)

[39] Paragraph (b) in column 2 of Item 2 of Unit 34 in Appendix 5 of Schedule 5

omit

for at least 10 seconds,

[40] The heading in column 1 of Item 1 of Unit 37 in Appendix 5 of Schedule 5

omit

Enter and recover from stall in other than vertical flight

insert

Enter and recover from stall in other than vertical flight (if applicable to the RPA)

[41] Paragraphs (b) and (c) in column 3 of Item 4 of Unit 37 in Appendix 5 of Schedule 5

repeal and substitute

(b) the RPA at high and low heights.

[42] Item 1, Column 3, in section 3 of Appendix 1 of Schedule 6

omit

Complete a JSA

insert

1 Complete a JSA

[43] Item 1, Column 3, in section 3 of Appendix 1 of Schedule 6

omit

(a) assembly,

insert

2 The following:

(a) assembly,

[44] Item 1, Column 4, in section 3 of Appendix 1 of Schedule 6

omit

The JSA addresses

1 The JSA addresses

[45]	Item 1, Column 4, in section 3 of Appendix 1 of Schedule 6

omit

(a) familiarisation

insert

- 2 The following:
 - (a) familiarisation

[46] Item 2, Column 3, in section 3 of Appendix 1 of Schedule 6

omit

Electric-powered RPA

insert

1 Electric-powered RPA

[47] Item 2, Column 3, in section 3 of Appendix 1 of Schedule 6

omit

Very small or small RPA with liquid-fuel system

insert

2 Very small or small RPA with liquid-fuel system

[48] Item 2, Column 4, in section 3 of Appendix 1 of Schedule 6

omit

(a) the calculated RPA

insert

- 1 The following:
 - (a) the calculated RPA

[49] Item 2, Column 4, in section 3 of Appendix 1 of Schedule 6

omit

(a) the calculated RPA (second occurring)

insert

2 The following:

(a) the calculated RPA

[50] Item 7, Column 3, in section 3 of Appendix 1 of Schedule 6

omit

Complete standard

insert

1 Complete standard

[51] Item 7, Column 3, in section 3 of Appendix 1 of Schedule 6

omit

Complete steep

2 Complete steep

[52] Item 7, Column 4, in section 3 of Appendix 1 of Schedule 6

omit

(a) turns should be (first occurring)

insert

- 1 The following:
 - (a) turns should be

[53] Item 7, Column 4, in section 3 of Appendix 1 of Schedule 6

omit

(a) turns should be (second occurring)

insert

- 2 The following:
 - (a) turns should be

[54] Item 9, Column 3, in section 3 of Appendix 1 of Schedule 6

omit

Inward and

insert

1 Inward and

[55] Item 9, Column 3, in section 3 of Appendix 1 of Schedule 6

omit

Demonstrate the

insert

2 Demonstrate the

[56] Item 9, Column 3, in section 3 of Appendix 1 of Schedule 6

omit

Simulate a

insert

3 Simulate a

[57] Item 9, Column 3, in section 3 of Appendix 1 of Schedule 6

omit

[The manoeuvre

insert

Note The manoeuvre

[58] Item 9, Column 3, in section 3 of Appendix 1 of Schedule 6

omit

if applicable.]

if applicable.

[59] Item 9, Column 4, in section 3 of Appendix 1 of Schedule 6

omit

(a) accurate altitude

insert

- 1 The following:
 - (a) accurate altitude

[60] Item 9, Column 4, in section 3 of Appendix 1 of Schedule 6

omit

Familiar with

insert

2 Familiar with

[61] Item 9, Column 4, in section 3 of Appendix 1 of Schedule 6

omit

(a) maintain safe

insert

- 3 The following:
 - (a) maintain safe

[62] Item 10, Column 3, in section 3 of Appendix 1 of Schedule 6

omit

Glide approach/simulated "dead stick

insert

1 Glide approach/simulated "dead stick

[63] Item 10, Column 3, in section 3 of Appendix 1 of Schedule 6

omit

Demonstrate/simulate

insert

2 Demonstrate/simulate

[64] Item 10, Column 3, in section 3 of Appendix 1 of Schedule 6

omit

Recover from

insert

3 Recover from

[65] Item 10, Column 4, in section 3 of Appendix 1 of Schedule 6

omit

(a) uses elevators

- 1 The following:
 - (a) uses elevators

[66] Item 10, Column 4, in section 3 of Appendix 1 of Schedule 6

omit

(a) familiar with

insert

- 2 The following:
 - (a) familiar with

[67] Item 10, Column 4, in section 3 of Appendix 1 of Schedule 6

omit

(a) correct recovery

insert

- 3 The following:
 - (a) correct recovery

[68] Item 1, Column 3, in section 3 of Appendix 2 of Schedule 6

omit

Complete a JSA

insert

1 Complete a JSA

[69] Item 1, Column 3, in section 3 of Appendix 2 of Schedule 6

omit

(a) assembly

insert

- 2 The following:
 - (a) assembly

[70] Item 1, Column 4, in section 3 of Appendix 2 of Schedule 6

omit

The JSA addresses

insert

1 The JSA addresses

[71] Item 1, Column 4, in section 3 of Appendix 2 of Schedule 6

omit

(a) familiar with

- 2 The following:
 - (a) familiar with

[72]	ltem 2,	Column	3, ir	section 3	3 of	Appendix 2	of Schedule	6
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omit

Electric -powered RPA

insert

1 Electric -powered RPA

[73] Item 2, Column 3, in section 3 of Appendix 2 of Schedule 6

omit

Very small or small RPA with liquid-fuel system

insert

2 Very small or small RPA with liquid-fuel system

[74] Item 2, Column 4, in section 3 of Appendix 2 of Schedule 6

omit

(a) the calculated RPA (first occurring)

insert

- 1 The following:
 - (a) the calculated RPA

[75] Item 2, Column 4, in section 3 of Appendix 2 of Schedule 6

omit

(a) the calculated RPA (second occurring)

insert

- 2 The following:
 - (a) the calculated RPA

[76] Item 7, Column 3, in section 3 of Appendix 2 of Schedule 6

omit

Without GPS hold

insert

1 Without GPS hold

[77] Item 7, Column 3, in section 3 of Appendix 2 of Schedule 6

omit

(a) lift-off to height of 5 m

insert

2 The following:

(a) lift-off to height of 5 m

[78] Item 7, Column 4, in section 3 of Appendix 2 of Schedule 6

omit

(a) controlled ascent (first occurring)

- 1 The following:
 - (a) controlled ascent

[79] Item 7, Column 4, in section 3 of Appendix 2 of Schedule 6

omit

(a) controlled ascent (second occurring)

insert

- 2 The following:
 - (a) controlled ascent

[80] Item 8, Column 3, in section 3 of Appendix 2 of Schedule 6

omit

Figure of 8

insert

1 Figure of 8

[81] Item 8, Column 3, in section 3 of Appendix 2 of Schedule 6

omit

Vertical rectangle

insert

2 Vertical rectangle

[82] Item 8, Column 3, in section 3 of Appendix 2 of Schedule 6

omit

[First movement

insert

Note First movement

[83] Item 8, Column 3, in section 3 of Appendix 2 of Schedule 6

omit

marker cones.]

insert

marker cones.

[84] Item 8, Column 3, in section 3 of Appendix 2 of Schedule 6

omit

Simulate

insert

3 Simulate

[85] Item 8, Column 4, in section 3 of Appendix 2 of Schedule 6

omit

(a) turns should be

- 1 The following:
 - (a) turns should be

[86] Item 8, Column 4, in section 3 of Appendix 2 of Schedule 6

omit

(a) smooth flying (second occurring)

insert

- 2 The following:
 - (a) smooth flying

[87] Item 8, Column 4, in section 3 of Appendix 2 of Schedule 6

omit

(a) maintains safe

insert

- 3 The following:
 - (a) maintains safe

[88] Item 9, Column 3, in section 3 of Appendix 2 of Schedule 6

omit

From normal

insert

1 From normal

[89] Item 9, Column 3, in section 3 of Appendix 2 of Schedule 6

omit

(a) simulated emergency

insert

- 2 The following:
 - (a) simulated emergency

[90] Item 9, Column 4, in section 3 of Appendix 2 of Schedule 6

omit

Applicant manoeuvres

insert

1 Applicant manoeuvres

[91] Item 9, Column 4, in section 3 of Appendix 2 of Schedule 6

omit

Applicant demonstrates

insert

2 Applicant demonstrates

[92] Item 1, Column 3, in section 3 of Appendix 3 of Schedule 6

omit

Complete a JSA

insert

1 Complete a JSA

[93] Item 1, Column 3, in section 3 of Appendix 3 of Schedule 6

omit

(a) assembly and

insert

- 2 The following:
 - (a) assembly and

[94] Item 1, Column 4, in section 3 of Appendix 3 of Schedule 6

omit

The JSA addresses

insert

1 The JSA addresses

[95] Item 1, Column 4, in section 3 of Appendix 3 of Schedule 6

omit

(a) familiar with

insert

- 2 The following:
 - (a) familiar with

[96] Item 2, Column 3, in section 3 of Appendix 3 of Schedule 6

omit

Electric-powered RPA

insert

1 Electric-powered RPA

[97] Item 2, Column 3, in section 3 of Appendix 3 of Schedule 6

omit

Very small or small RPA with liquid-fuel system

insert

2 Very small or small RPA with liquid-fuel system

[98] Item 2, Column 4, in section 3 of Appendix 3 of Schedule 6

omit

(a) the calculated RPA (first occurring)

insert

- 1 The following:
 - (a) the calculated RPA

[99] Item 2, Column 4, in section 3 of Appendix 3 of Schedule 6

omit

(a) the calculated RPA (second occurring)

- 2 The following:
 - (a) the calculated RPA

[100] Item 8, Column 3, in section 3 of Appendix 3 of Schedule 6

omit

(a) lift-off (first occurring)

insert

1 The following:

(a) lift-off

[101] Item 8, Column 3, in section 3 of Appendix 3 of Schedule 6

omit

(a) lift-off (second occurring)

insert

2 The following:

(a) lift-off

[102] Item 8, Column 4, in section 3 of Appendix 3 of Schedule 6

omit

(a) controlled ascent (first occurring)

insert

1 The following:

(a) controlled ascent

[103] Item 8, Column 4, in section 3 of Appendix 3 of Schedule 6

omit

(a) controlled ascent (second occurring)

insert

- 2 The following:
 - (a) controlled ascent

[104] Item 9, Column 3, in section 3 of Appendix 3 of Schedule 6

omit

Figure of 8

insert

1 Figure of 8

[105] Item 9, Column 3, in section 3 of Appendix 3 of Schedule 6

omit

Vertical rectangle

insert

2 Vertical rectangle

[106] Item 9, Column 3, in section 3 of Appendix 3 of Schedule 6

omit

Simulate

insert

3 Simulate

[107] Item 9, Column 4, in section 3 of Appendix 3 of Schedule 6

omit

(a) turns should be

insert

- 1 The following:
 - (a) turns should be

[108] Item 9, Column 4, in section 3 of Appendix 3 of Schedule 6

omit

(a) smooth flying

insert

- 2 The following:
 - (a) smooth flying

[109] Item 9, Column 4, in section 3 of Appendix 3 of Schedule 6

omit

(a) maintains safe

insert

- 3 The following:
 - (a) maintains safe

[110] Item 10, Column 3, in section 3 of Appendix 3 of Schedule 6

omit

From normal

insert

1 From normal

[111] Item 10, Column 3, in section 3 of Appendix 3 of Schedule 6

omit

(a) simulated emergency

insert

2 The following:

(a) simulated emergency

[112] Item 10, Column 4, in section 3 of Appendix 3 of Schedule 6

omit

Applicant manoeuvres

insert

1 Applicant manoeuvres

[113] Item 10, Column 4, in section 3 of Appendix 3 of Schedule 6

omit

Applicant demonstrates

2 Applicant demonstrates

[114] Item 1, Column 3, in section 3 of Appendix 4 of Schedule 6

omit

Complete a JSA

insert

1 Complete a JSA

[115] Item 1, Column 3, in section 3 of Appendix 4 of Schedule 6

omit

(a) assembly and

insert

- 2 The following:
 - (a) assembly and

[116] Item 1, Column 4, in section 3 of Appendix 4 of Schedule 6

omit

The JSA addresses

insert

1 The JSA addresses

[117] Item 1, Column 4, in section 3 of Appendix 4 of Schedule 6

omit

(a) familiar with

insert

- 2 The following:
 - (a) familiar with

[118] Item 2, Column 3, in section 3 of Appendix 4 of Schedule 6

omit

Electric-powered RPA

insert

1 Electric-powered RPA

[119] Item 2, Column 3, in section 3 of Appendix 4 of Schedule 6

omit

Very small or small RPA with liquid-fuel system

insert

2 Very small or small RPA with liquid-fuel system

[120] Item 2, Column 4, in section 3 of Appendix 4 of Schedule 6

omit

(a) the calculated RPA (first occurring)

- 1 The following:
 - (a) the calculated RPA

[121] Item 2, Column 4, in section 3 of Appendix 4 of Schedule 6

omit

(a) the calculated RPA (second occurring)

insert

- 2 The following:
 - (a) the calculated RPA

[122] Item 6, Column 3, in section 3 of Appendix 4 of Schedule 6

omit

(a) start

insert

1 The following:

(a) start

[123] Item 6, Column 3, in section 3 of Appendix 4 of Schedule 6

omit

Without GPS hold

insert

2 Without GPS hold

[124] Item 6, Column 4, in section 3 of Appendix 4 of Schedule 6

omit

(a) controlled ascent (first occurring)

insert

- 1 The following:
 - (a) controlled ascent

[125] Item 6, Column 4, in section 3 of Appendix 4 of Schedule 6

omit

(a) controlled ascent (second occurring)

insert

2 The following:

(a) controlled ascent

[126] Item 7, Column 3, in section 3 of Appendix 4 of Schedule 6

omit

Manual transitional

insert

1 Manual transitional

[127] Item 7, Column 3, in section 3 of Appendix 4 of Schedule 6

omit

Automated transitional flight

insert

2 Automated transitional flight

[128] Item 7, Column 4, in section 3 of Appendix 4 of Schedule 6

omit

(a) the RPA remains (first occurring)

insert

- 1 The following:
 - (a) the RPA remains

[129] Item 7, Column 4, in section 3 of Appendix 4 of Schedule 6

omit

(a) the RPA remains (second occurring)

insert

- 2 The following:
 - (a) the RPA remains

[130] Item 8, Column 3, in section 3 of Appendix 4 of Schedule 6

omit

Climb the aircraft

insert

1 Climb the aircraft

[131] Item 8, Column 3, in section 3 of Appendix 4 of Schedule 6

omit

Complete standard

insert

2 Complete standard

[132] Item 8, Column 3, in section 3 of Appendix 4 of Schedule 6

omit

Complete steep turns

insert

3 Complete steep turns

[133] Item 8, Column 4, in section 3 of Appendix 4 of Schedule 6

omit

(a) maintains correct

- 1 The following:
 - (a) maintains correct

[134] Item 8, Column 4, in section 3 of Appendix 4 of Schedule 6

omit

(a) turns should be (first occurring)

insert

- 2 The following:
 - (a) turns should be

[135] Item 8, Column 4, in section 3 of Appendix 4 of Schedule 6

omit

(a) turns should be (second occurring)

insert

- 3 The following:
 - (a) turns should be

[136] Item 9, Column 3, in section 3 of Appendix 4 of Schedule 6

omit

Inward and outward

insert

1 Inward and outward

[137] Item 9, Column 3, in section 3 of Appendix 4 of Schedule 6

omit

Demonstrate

insert

2 Demonstrate

[138] Item 9, Column 3, in section 3 of Appendix 4 of Schedule 6

omit

Simulate

insert

3 Simulate

[139] Item 9, Column 4, in section 3 of Appendix 4 of Schedule 6

omit

(a) accurate altitude

insert

- 1 The following:
 - (a) accurate altitude

[140] Item 9, Column 4, in section 3 of Appendix 4 of Schedule 6

omit

Familiar with

insert

2 Familiar with

[141] Item 9, Column 4, in section 3 of Appendix 4 of Schedule 6

omit

(a) maintains safe

insert

- 3 The following:
 - (a) maintains safe

[142] Item 10, Column 3, in section 3 of Appendix 4 of Schedule 6

omit

Demonstrate/simulate

insert

1 Demonstrate/simulate

[143] Item 10, Column 3, in section 3 of Appendix 4 of Schedule 6

omit

Recover from

insert

2 Recover from

[144] Item 10, Column 3, in section 3 of Appendix 4 of Schedule 6

omit

(a) recover the RPA

insert

- 3 The following:
 - (a) recover the RPA

[145] Item 10, Column 3, in section 3 of Appendix 4 of Schedule 6

omit

Glide approach/simulated

insert

4 Glide approach/simulated

[146] Item 10, Column 4, in section 3 of Appendix 4 of Schedule 6

omit

(a) familiar with

insert

- 1 The following:
 - (a) familiar with

[147] Item 10, Column 4, in section 3 of Appendix 4 of Schedule 6

omit

(a) correct recovery

- 2 The following:
 - (a) correct recovery

[148] Item 10, Column 4, in section 3 of Appendix 4 of Schedule 6

omit

(a) implements recovery

insert

- 3 The following:
 - (a) implements recovery

[149] Item 10, Column 4, in section 3 of Appendix 4 of Schedule 6

omit

(a) uses elevators

- 4 The following:
 - (a) uses elevators