



Australian Government
Civil Aviation Safety Authority

Instrument number CASA 43/11

I, JOHN FRANCIS McCORMICK, Director of Aviation Safety, on behalf of CASA, make this instrument under paragraph 6 (1) (b) and subregulation 42ZC (6) of the *Civil Aviation Regulations 1988 (CAR 1988)*.

A handwritten signature in black ink, appearing to read 'John F. McCormick', written over a horizontal line.

John F. McCormick
Director of Aviation Safety

09 February 2011

Authorisation of persons to carry out maintenance on amateur-built (ABAA), amateur-built experimental and kit-built experimental aircraft

Appointment of authorised persons to issue maintenance releases for amateur-built (ABAA), amateur-built experimental and kit-built experimental aircraft

1 Revocation

Instrument CASA 10/11 is revoked.

2 Definitions

In this instrument:

aircraft means an amateur-built or kit-built aircraft for which:

- (a) a special certificate has been issued in accordance with regulation 21.190 of the *Civil Aviation Safety Regulations 1998 (CASR 1998)*; or
- (b) an experimental certificate has been issued for a purpose mentioned in paragraph 21.191 (g) or (h) of CASR 1998.

primary builder means:

- (a) that member of a group of builders of an aircraft who has fabricated and assembled more than half of an amateur-built aircraft or assembled more than half of a kit-built aircraft; or
- (b) if paragraph (a) does not apply to any member of the group — that member who has been nominated in writing by the group as the primary builder for the purpose of issuing maintenance releases.

3 Application

This instrument applies to each of the following persons:

- (a) a person who has fabricated and assembled more than half of an aircraft mentioned in the definition of *aircraft*;
- (b) for an amateur-built aircraft — a person, other than a person referred to in paragraph (a), who has contributed to the fabrication and assembly of an aircraft mentioned in the definition of *aircraft*;
- (c) for a kit-built aircraft — a person who has assembled more than half of an aircraft mentioned in the definition of *aircraft*;
- (d) for a kit-built aircraft — a person, other than a person referred to in paragraph (c), who has contributed to the assembly of an aircraft mentioned in the definition of *aircraft*;
- (e) a person who holds an aircraft maintenance engineer licence issued under regulation 31 of CAR 1988 or an aircraft engineer licence issued under Part 66 of CASR 1998.

4 Authorisation of persons to carry out maintenance

For paragraph 42ZC (4) (e) of CAR 1988, I authorise a person mentioned in section 3 to carry out maintenance on an aircraft.

5 Appointment of authorised persons to issue maintenance releases

For paragraph 43 (1) of CAR 1988, I appoint a person authorised under section 4 to be an *authorised person* to issue a maintenance release for an aircraft.

6 Conditions

Each authorisation under section 4 and each appointment under section 5 is subject to the conditions mentioned in Schedule 1.

6 Expiry

This instrument stops having effect at the end of 28 February 2013.

Schedule 1 Conditions

- 1 An authorised person may only issue a maintenance release for an aircraft if all required maintenance has been carried out and properly certified by a person authorised to conduct maintenance under this instrument.
- 2 An authorised person must sign each maintenance release he or she issues under this instrument.
- 3 For a maintenance release to be issued for an aircraft mentioned in paragraph 3 (b) or 3 (d), the authorised person must have been nominated in writing by the group of builders as the primary builder of the aircraft.
- 4 A person authorised to carry out maintenance on an aircraft must do so:
 - (a) in accordance with the appropriate data for proper maintenance of the aircraft; and
 - (b) using the appropriate tooling.

- 5 An authorised person must ensure that each maintenance release issued includes any information required to be entered on the maintenance release by any direction, permit or permission issued under the *Civil Aviation Act 1988*, its Regulations or Civil Aviation Orders that applies to the aircraft, the aircraft components or the aircraft materials.
- 6 When issuing a maintenance release, an authorised person must do so in accordance with the applicable requirements of Civil Aviation Order 100.5 and regulation 43 of CAR 1988.
- 7 A person mentioned in paragraph 3 (b) may only carry out maintenance on the elements of the aircraft the person fabricated and assembled.
- 8 A person mentioned in paragraph 3 (d) may only carry out maintenance on the elements of the aircraft the person assembled.
- 9 A person mentioned in paragraph 3 (e) may only carry out maintenance:
 - (a) on those types of aircraft or aircraft engines that are covered by his or her licence; and
 - (b) that is within any limits endorsed on the licence.
- 10 Except for a person mentioned paragraph 3 (e), before a person performs any activity authorised by this instrument, the person must:
 - (a) satisfactorily complete a course of training which covers the topics and standards specified in column 2 of the table at Annex 1; and
 - (b) for each topic and standard — attain the knowledge level listed in column 3 of the table as detailed in Annex 2.
- 11 Except for a person mentioned paragraph 3 (e), before a person performs any activity authorised by this instrument, the person must hold a certificate of attainment, in the topics and standards specified in clause 8, from a course or an organisation mentioned in Annex 3 of this instrument.

Annex 1

1	2	3
Item	Topics and Standards	Knowledge levels
1	ICAO and CASA's obligations to ICAO	1
2	CASA priorities	1
3	Role of Self-Administering Organisations	1
4	Australian Aviation Law overall structure	1
5	CARs that apply to maintenance by owner-builders	1
6	CASRs that apply to maintenance by owner-builders	1
7	Responsibility of registered operator	3
8	Responsibilities of maintainer	3
9	Guidance material for operators and maintainers	1
10	Type Certificates	1

1	2	3
Item	Topics and Standards	Knowledge levels
11	Special Certificates — amateur-built experimental (ABE) and amateur-built aircraft acceptance (ABAA)	2
12	Maintenance Authorities, CAR 31 Licences (where applicable) and CASR Part 66 Licences (where applicable)	1
13	Systems of Maintenance (<i>SOM</i>) — General	1
14	CASA SOM	2
15	Owner generated SOM	2
16	Log Book Statement	3
17	Minimum Equipment Lists (MELs)	1
18	Flight Manuals and Placards	2
19	Maintenance Data Sources	2
20	CAR 2A approval of data	1
21	Automatic approvals of data from foreign NAAs	1
22	Generic data	1
23	Airworthiness Directives (ADs)	3
24	Service Bulletins, Instructions and Notices	2
25	Major Defect reporting	2
26	Safety Management Systems	1
27	Human factors affecting maintenance	1
28	Safety in the aircraft workplace	1
29	Drugs and Alcohol in safety sensitive aviation activities	1
30	Fuelling of aircraft	1
31	Continuing Airworthiness records	2
32	Weight and balance records	2
33	Recording of maintenance	3
34	Coordination of maintenance	2
35	Certification of maintenance	3
36	Duplicate inspections of control systems after maintenance	2
37	Maintenance work sheets	2
38	Aircraft log book	3
39	Maintenance release	3

1	2	3
Item	Topics and Standards	Knowledge levels
40	Modifications of aircraft	1
41	Approval of modification and major repair data	1
42	Use and care of calibrated equipment	2
43	Fabrication in the course of maintenance (FITCOM)	2
44	AD/ENG/4 Engine condition report	3
45	Authorised Release Certificate	1

Annex 2

Knowledge levels

Level 1

A familiarisation with the principal elements of the topic such that the following objectives are met.

Objectives:

- The applicant must be familiar with the basic elements of the topic.
- The applicant must be able to give a simple description of the topic, using common words and examples.
- The applicant must be able to use typical terms.

Level 2

A general knowledge of the theoretical and practical aspects of the topic and an ability to apply that knowledge, such that the following objectives are met.

Objectives:

- The applicant must be able to understand the theoretical fundamentals of the topic.
- The applicant must be able to give a general description of the topic using, as appropriate, typical examples.
- The applicant must be able to demonstrate awareness of practical applications of the topic.

Level 3

A detailed knowledge of the theoretical and practical aspects of the topic, and a capacity to combine and apply the separate elements of knowledge in a logical and comprehensive manner, such that the following objectives are met.

Objectives:

- The applicant must be able to describe the underlying intent and implications of the topic.
- The applicant must be able to give a detailed description of the topic using theoretical fundamentals and specific examples.
- The applicant must be able to explain in detail the theoretical and practical application of the topic.

Annex 3

Training course and training organisations recognised by CASA for the purpose of this Instrument

- 1 Sport Aircraft Association of Australia (SAAA) Maintenance Procedures Course as approved by CASA.
 - 2 A CASR Part 147 Maintenance Training Organisation that is approved by CASA to provide basic maintenance licence training.
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