



Australian Government

Civil Aviation Safety Authority

I, TERENCE LINDSAY FARQUHARSON, Acting Director of Aviation Safety, on behalf of CASA, make this instrument under regulations 11.068 and 61.035 of the *Civil Aviation Safety Regulations 1998* and section 4 of the *Acts Interpretation Act 1901*.

Terry Farquharson
Acting Director of Aviation Safety

August 2014

Part 61 Manual of Standards Instrument 2014

1 Name of instrument

- 1.1 This instrument is the Part 61 Manual of Standards for Part 61 of the *Civil Aviation Safety Regulations 1998 (CASR 1998)*.
- 1.2 This instrument is called the *Part 61 Manual of Standards Instrument 2014*.
- 1.3 In this instrument, unless the contrary intention appears, a reference to “this MOS” or “the MOS” means the *Part 61 Manual of Standards Instrument 2014*.

2 Commencement

This instrument commences on 1 September 2014.

3 Scope

Under regulation 61.035 of CASR 1998, and for Part 61 of CASR 1998, this MOS sets out matters relating to:

- (a) flight crew licences, ratings and endorsements; and
- (b) the use of an ACAS; and
- (c) aeronautical radio operations; and
- (d) aeroplane taxiing; and
- (e) conditions on flight examiner ratings.

4 Condition on flight examiner ratings

For paragraph 98 (5A) (1) (a) and subsection 98 (5D) of the *Civil Aviation Act 1988*, and regulation 11.068 of CASR 1998, it is a condition on a flight examiner rating, issued before or after this MOS, that when conducting a flight test or a proficiency check the holder of the rating must comply with the requirements of, and take into account the recommendations in, the *Flight Examiners' Handbook* as in force and published on the CASA website at the time of the flight test or proficiency check.

5 Definitions

- 5.1 In this MOS, unless the contrary intention appears:
cell, for a column of a table in a Schedule of this instrument, means each individual, undivided unit into which the column is subdivided.

in accordance with published procedures, for carrying out an activity in relation to an aircraft, means carrying out the activity in accordance with the applicable requirements (if any) set out in each of the following:

- (a) the aircraft flight manual;
- (b) the aircraft operator's operations manual;
- (c) the Aeronautical Information Publication (AIP);
- (d) another operational document applicable to the activity that is approved in writing by CASA or the operator.

- 5.2 In this MOS, unless the contrary intention appears, an abbreviation has the meaning given to it by the Dictionary of abbreviations in Schedule 1A.
- 5.3 Unless the contrary intention appears, if an abbreviation used in this MOS is not given a meaning under Schedule 1A, the abbreviation has the meaning that is given to it by the prevalent usage, custom and practice of the aviation industry.
- 5.4 To avoid doubt, in this MOS neither a unit code nor an examination code is an abbreviation within the meaning of subsection 5.2 or 5.3.

6 Recreational pilot licences — general English language proficiency standard

- 6.1 The general English language proficiency standard is as set out in Section 1 of Schedule 2.

Note See the Table of Contents at the front of Schedule 2 to find the general English language proficiency standards.

- 6.2 The assessment mentioned in subclause 5.1.1 of Section 1 of Schedule 2, and the requirement specified in subclause 5.1.2, are each part of the standard.
- 6.3 The general English language proficiency tests are as set out in paragraph 5.1.2 (f) of Section 1 of Schedule 2.
- 6.4 For subsection 6.3, achieving the minimum grade specified for each test is part of each test.

7 Aviation English language proficiency standards and maintenance of English language proficiency

- 7.1 The aviation English language proficiency standard is as set out in Section 1 of Schedule 2.

Note See the Table of Contents at the front of Schedule 2 to find the aviation English language proficiency standards.

- 7.2 The ICAO level 4, level 5 and level 6 aviation English language proficiency standards (rating scales) are as set out in Section 2 of Schedule 8.

Note See the Table of Contents at the front of Schedule 8 to find the ICAO level 4, level 5 and level 6 aviation English language proficiency standards (rating scales).

8 Units of competency for flight training, use of ACAS, aeronautical radio operations, and taxiing

- 8.1 The units of competency for each of the following matters are as set out in the Appendix of a Section in Schedule 1 that is for the particular matter:
 - (a) a flight crew licence with an aircraft category rating, a flight crew rating on a licence, or an endorsement on a rating;
 - (b) a design feature endorsement or a flight activity endorsement;
 - (c) use of an ACAS;
 - (d) an aeronautical radio operator certificate;
 - (e) a certificate of competency for taxiing aeroplanes of a particular class or type rating.

Note See the Table of Contents at the front of Schedule 1 to find the reference to any particular matter listed in paragraphs (a) to (e) above.

8.2 For an Appendix mentioned in subsection 8.1, each unit of competency mentioned in a cell in column 2 of the practical flight standards table in the Appendix (the ***unit of competency***) has the unit code mentioned in the corresponding cell in column 1 (the ***unit code***).

8.3 For subsection 8.2, the requirements of the unit of competency are set out in the document whose unit code is mentioned in the cell in column 1 that corresponds to the unit of competency.

8.4 For subsection 8.3, the unit coded document containing the requirements of the unit of competency is the document in Schedule 2 which has the same unit code.

Note See the Table of Contents at the front of Schedule 2 for an alphabetical list of unit codes.

8.5 The competency required of a person by each unit of competency mentioned in Schedule 2 (the ***unit***) is the ability to do the following:

- (a) perform each of the elements mentioned in clause 2 of the unit:
 - (i) according to the performance criteria mentioned for the element; and
 - (ii) within the range of variables mentioned in clause 3 for the unit; and
 - (iii) for practical flight — within the flight tolerances mentioned in the table in Section 1 of Schedule 8 that is for the category of aircraft (where applicable) and for the licence or rating; and
- (b) demonstrate the underpinning knowledge for each unit, as mentioned in clause 4 of the unit.

Note A unit of competency in Schedule 2 usually comprises: (1) the unit description, (2) its elements and performance criteria, (3) the range of variables across which these criteria are to be applied, and (4) the minimum underpinning knowledge for (2) and (3).

9 Other approved courses

RESERVED (CASR 61.040 and 61.210)

10 Aeronautical knowledge standards

10.1 The aeronautical knowledge standards for a flight crew licence with an aircraft category rating, a flight crew rating on a licence or an endorsement on a rating are as set out in the Appendix of a Section in Schedule 1 that is for the licence, rating or endorsement.

Note See the Table of Contents at the front of Schedule 1 to find any particular licence, rating or endorsement.

10.2 For an Appendix mentioned in subsection 10.1, each unit of knowledge mentioned in a cell in column 2 of an aeronautical knowledge standards table in the Appendix (the ***unit of knowledge***) has the unit code mentioned in the corresponding cell in column 1 (the ***unit code***).

10.3 For subsection 10.2, the requirements of the unit of knowledge are set out in the document whose unit code is mentioned in the cell in column 1 that corresponds to the unit of knowledge.

10.4 For subsection 10.3, the unit coded document containing the requirements of a unit of knowledge is the document in Schedule 3 which has the same unit code.

10.5 The standard of knowledge required of a person by each unit of knowledge mentioned in Schedule 3 is the ability to demonstrate, to the appropriate level, knowledge of the elements, topics and specific content described in each clause of the unit.

10.6 For subsection 10.5:

- (a) an element, generally identifying a knowledge area within the unit of knowledge, is indicated in bold, underlined print, and numbered as a clause; and

- (b) a topic (if any), further defining a knowledge area within an element, is indicated in bold print and numbered as a subclause; and
- (c) specific content, describing in detail the relevant content of the topic (if any), or the element, is indicated in plain print and numbered as subclauses, paragraphs, subparagraphs and sub-subparagraphs as the case may be.

11 Aeronautical knowledge examinations, pass standards and time

- 11.1 The aeronautical knowledge examinations for a flight crew licence with an aircraft category rating, a flight crew rating on a licence, or an endorsement on a rating are as set out in the table in the Section of Schedule 4 that is for the licence, rating or endorsement (the *table*).
- 11.2 For subsection 11.1, the examination for each examination subject mentioned in a cell in column 2 of the table (the *subject*) has the examination code, the pass standard and the time limit mentioned in the cell in column 1, column 3 and column 4 (respectively) of the table that corresponds to the subject.

Note The examination codes mentioned in the cells in column 1 of the table are for examination administration purposes only.

12 Flight tests — competency standards

- 12.1 The competency standards for a flight test for a flight crew licence with an aircraft category rating, a flight crew rating on a licence, or an endorsement on a rating are as set out in the Appendix in Schedule 5 that is for the licence, rating or endorsement flight test.
- 12.2 For subsection 12.1, the competency standards for a flight test mentioned in an Appendix in Schedule 5 comprise the following:

- (a) the flight test requirements mentioned in the Appendix for the test;
- (b) the knowledge requirements mentioned in the Appendix for the test;
- (c) the practical flight standards mentioned in the Appendix for the test, but within the flight tolerances mentioned in the table in Section 1 of Schedule 8 that is for the category of aircraft (where applicable) and for the licence, rating or endorsement.

Note For paragraph (c), the aircraft category is identified in the title of the relevant table in Schedule 8, and the licence, rating or endorsement is identified in the “Applicability” clause of the relevant table.

- 12.3 For an Appendix mentioned in subsection 12.1, each unit of competency mentioned in a cell in column 2 of the practical flight standards table in the Appendix (the *unit of competency*) has the unit code mentioned in the corresponding cell in column 1 (the *unit code*), subject to the modification (if any) specified in column 3.
- 12.4 For subsection 12.3, the requirements of the unit of competency are set out in the document whose unit code is mentioned in the cell in column 1 that corresponds to the unit of competency.
- 12.5 For subsection 12.4, the unit coded document containing the requirements of the unit of competency is the document in Schedule 2 which has the same unit code.
- Note* See the Table of Contents at the front of Schedule 2 for an alphabetical list of unit codes.
- 12.6 For a flight test, the competency required of a person by each relevant unit of competency mentioned in Schedule 2 (the *unit*) is the ability to perform each of the elements mentioned in clause 2 of the unit:
 - (a) according to the performance criteria mentioned for the element; and
 - (b) within the range of variables mentioned in clause 3 for the unit; and
 - (c) subject to the modifications (if any) specified in column 3 of the practical flight standards table in Schedule 5.

Note For a flight test, the competency required of a person by a unit of competency does not require specific testing of the underpinning knowledge in Schedule 2.

13 Proficiency checks — competency standards

- 13.1 The competency standards for a proficiency check for a flight crew rating on a licence, or an endorsement on a rating are as set out in the Appendix in Schedule 6 that is for the rating proficiency check.

Note See the Table of Contents at the front of Schedule 6 to find the reference to any particular proficiency check.

- 13.2 For subsection 13.1, the competency standards for a proficiency check mentioned in an Appendix in Schedule 6 comprise the following:

- (a) the proficiency check requirements mentioned in the Appendix for the check;
- (b) the knowledge requirements mentioned in the Appendix for the check;
- (c) the practical flight standards mentioned in the Appendix for the check, but within the flight tolerances mentioned in the table in Section 1 of Schedule 8 that is for the category of aircraft (where applicable) and for the flight crew rating.

Note For paragraph (c), the aircraft category is identified in the title of the relevant table in Schedule 8, and the rating is identified in the “Applicability” clause of the relevant table.

- 13.3 For an Appendix mentioned in subsection 13.1, each unit of competency mentioned in a cell in column 2 of the practical flight standards table in the Appendix (the **unit of competency**) has the unit code mentioned in the corresponding cell in column 1 (the **unit code**), subject to the modification (if any) specified in column 3.

- 13.4 For subsection 13.3, the requirements of the unit of competency are set out in the document whose unit code is mentioned in the cell in column 1 that corresponds to the unit of competency.

- 13.5 For subsection 13.4, the unit coded document containing the requirements of the unit of competency is the document in Schedule 2 which has the same unit code.

Note See the Table of Contents at the front of Schedule 2 for an alphabetical list of unit codes.

- 13.6 For a proficiency check, the competency required of a person by each relevant unit of competency mentioned in Schedule 2 (the **unit**) is the ability to perform each of the elements mentioned in clause 2 of the unit, according to the performance criteria mentioned for the element, within the range of variables mentioned in clause 3 for the unit, but subject to the modifications (if any) specified in column 3 of the practical flight standards table in Schedule 6.

Note For a proficiency check, the competency required of a person by a unit of competency does not require specific testing of the underpinning knowledge in Schedule 2.

14 Flight reviews — competency standards

- 14.1 The competency standards for a flight review for a flight crew rating on a licence are as set out in the Appendix in Schedule 7 that is for the rating flight review.

Note See the Table of Contents at the front of Schedule 7 to find the reference to any particular flight review.

- 14.2 For subsection 14.1, the competency standards for a flight review mentioned in an Appendix in Schedule 7 comprise the following:

- (a) the flight review requirements mentioned in the Appendix for the flight review;
- (b) the knowledge requirements mentioned in the Appendix for the flight review;
- (c) the practical flight standards mentioned in the Appendix for the flight review, but within the flight tolerances mentioned in the table in Section 1 of Schedule 8 that is for the category of aircraft (where applicable) and for the rating.

Note For paragraph (c), the aircraft category is identified in the title of the relevant table in Schedule 8, and the rating is identified in the “Applicability” clause of the relevant table.

- 14.3 For an Appendix mentioned in subsection 14.1, each unit of competency mentioned in a cell in column 2 of the practical flight standards table in the Appendix (the ***unit of competency***) has the unit code mentioned in the corresponding cell in column 1 (the ***unit code***), subject to the modification (if any) specified in column 3.
- 14.4 For subsection 14.3, the requirements of the unit of competency are set out in the document whose unit code is mentioned in the cell in column 1 that corresponds to the unit of competency.
- 14.5 For subsection 14.4, the unit coded document containing the requirements of the unit of competency is the document in Schedule 2 which has the same unit code.
- Note* See the Table of Contents at the front of Schedule 2 for an alphabetical list of unit codes.
- 14.6 For a flight review, the competency required of a person by each relevant unit of competency mentioned in Schedule 2 (the ***unit***) is the ability to perform each of the elements mentioned in clause 2 of the unit, according to the performance criteria mentioned for the element, within the range of variables mentioned in clause 3 for the unit, but subject to the modifications (if any) specified in column 3 of the practical flight standards table in Schedule 7.
- Note* For a flight review, the competency required of a person by a unit of competency does not require specific testing of the underpinning knowledge in Schedule 2.