

SECTION T PILOT INSTRUCTOR RATINGS

Appendix T.1 Flight instructor rating flight test

1. Flight test requirements

An applicant for a flight instructor rating flight test must demonstrate the following:

- (a) knowledge of the topics listed in subclause 2.1, which are relevant to the training endorsements that are being assessed during the test;
- (b) ability to conduct aeronautical knowledge training mentioned in subclause 2.2, that is applicable to the training endorsements being assessed;
- (c) ability to conduct the activities and manoeuvres mentioned in clause 3, within the operational scope and under the conditions mentioned in clause 4, to the competency standards required under section 12 of this MOS, which are relevant to the endorsements that are being assessed during the flight test.

Note 1 For the purposes of this unit, reference to trainee is a reference to the person who is receiving training that is being delivered by the applicant.

Note 2 For the purposes of this unit, a reference to applicant is a reference to the person who is undertaking this flight test.

2. Knowledge requirements

2.1 For paragraph 1 (a), the topics are the following topics:

- (a) privileges and limitations of a flight instructor rating and the training endorsements included in the flight test;
- (b) proficiency check requirements;
- (c) flight review requirements;
- (d) standardisation and proficiency obligations of Part 141 and Part 142 operators;
- (e) preparing a student for training;
- (f) principles and methods of instruction;
- (g) aeronautical knowledge;
- (h) practical training aspects of the units and elements of competency;
- (i) assessment techniques and standards;
- (j) common errors experienced by students and methods for resolving them;
- (k) determining a student's ability to conduct a solo flight;
- (l) managing a student's first solo flight;
- (m) supervision;
- (n) environmental conditions;
- (o) managing common threats and errors;
- (p) administrative matters which are relevant to the training endorsements held or being tested;
- (q) if the training endorsement authorises the instructor to conduct a flight review, the applicant is required to demonstrate knowledge of conducting flight reviews associated with the endorsement.

2.2 For paragraph 1 (b), and the endorsements being assessed, conduct aeronautical knowledge training

Note The relevant competency standards are in unit FIR4 and the relevant unit for the training endorsement or endorsements included in the test.

Long briefing — conduct a lesson for at least 1 topic that is relevant to a training endorsement, which is included in the flight test, by doing the following:

- (a) plan the lesson and the delivery method to be used;
- (b) state the training objectives and follow the lesson plan;
- (c) use training aids effectively;
- (d) present accurate technical knowledge;
- (e) provide opportunities for the trainee to participate;

- (f) discuss applicable non-technical skills as well as threat and error management issues;
- (g) confirm training objectives are achieved and provide feedback to the trainee.

3. Activities and manoeuvres

Note For paragraph 1 (b), the flight test includes all of the following activities and manoeuvres. The sequence set out here is not necessarily intended to direct the order of activities and manoeuvres.

3.1 Pre-Flight

Note The relevant competency standards are in unit code FIR4, FIR7, FIR9, and the relevant units for the training endorsements included in the flight test.

- (a) plan a flight training exercise;
- (b) perform pre-flight actions and procedures;
- (c) **pre-flight briefing** — conduct a pre-flight briefing for a training lesson that is relevant to a training endorsement, which is included in the test, by doing the following:
 - (i) confirm the trainee is prepared for the training lesson and can recall underpinning knowledge;
 - (ii) brief the trainee on the training outcomes of the proposed training lesson, including the associated performance criteria;
 - (iii) brief the trainee on the format of the training lesson, how it will be conducted, and the actions required of the trainee during the training lesson;
 - (iv) discuss threat and error management issues applicable to the proposed flight.

3.2 Ground operations, take-off, departure and climb

Note The relevant competency standards are in unit code FIR3.

- (a) complete all relevant checks and procedures;
- (b) plan, brief and conduct take-off and departure procedures.

3.3 En route cruise

Note The relevant competency standards are in unit code FIR3.

Maintain straight and level and turn aircraft.

3.4 Test specific activities and manoeuvres

Note The relevant competency standards are in unit codes FIR4, FIR7, FIR9 and the relevant units for the training endorsements included in the flight test.

- (a) implement the hand-over and take-over procedure;
- (b) intervene to manage undesired aircraft states;
- (c) **Air exercise 1** — conduct flight training for a selected training activity nominated by the flight examiner and perform the following:
 - (i) demonstrate manoeuvres and provide clear explanations to the trainee;
 - (ii) direct the trainee performing manoeuvres and tasks;
 - (iii) monitor and assess the trainee performing manoeuvres and tasks and provide further instruction as required;
- (d) **Air exercise 2** — conduct flight training for selected training manoeuvres nominated by the flight examiner and perform the following:
 - (i) manage pilot in command responsibilities effectively;
 - (ii) demonstrate and direct manoeuvres and provide clear explanations to the trainee;
 - (iii) monitor and assess the trainee performing manoeuvres and tasks and provide further instruction as required;
- (e) for a training endorsement that is for a multi-crew operation — conduct a multi-crew flight training air exercise by demonstrating and assessing the following:
 - (i) teamwork and collaborative problem solving;
 - (ii) non-technical skills that are applicable to both roles of a multi-crew operation;
 - (iii) standard operating procedures, cockpit discipline and use of automation.

3.5 Descent and arrival

Note The relevant competency standards are in unit code FIR4 and the relevant units for the training endorsements included in the flight test.

Plan and conduct arrival and circuit joining procedures.

3.6 Circuit, approach and landing

Note The relevant competency standards are in unit code FIR4 and the relevant units for the training endorsements included in the flight test.

- (a) conduct a normal circuit pattern, approach and landing;
- (b) perform after landing actions and procedures.

3.7 Shut down and post-flight

Note The relevant competency standards are in unit code FIR3.

- (a) park, shutdown and secure the aircraft;
- (b) complete post-flight administration;
- (c) **post-flight debriefing** — conduct a post-flight debriefing for the training activities included during the test by doing the following:
 - (i) the trainee is given the opportunity to self-assess their performance against the prescribed performance criteria and the objectives of the training activity;
 - (ii) the trainee's performance is assessed accurately and discussed effectively with the trainee;
 - (iii) trainee performance deficiencies are identified, and remedial actions and proposed training are discussed;
 - (iv) discuss with the trainee any threat and error management issues that were encountered during the flight.

3.8 General requirements

Note The relevant competency standards are in unit codes FIR3, NTS1 and NTS2.

- (a) maintain an effective lookout;
- (b) maintain situational awareness;
- (c) assess situations and make appropriate decisions;
- (d) set priorities and manage tasks effectively;
- (e) maintain effective communication and interpersonal relationships;
- (f) recognise and manage threats;
- (g) recognise and manage errors;
- (h) recognise and manage undesired aircraft state;
- (i) communicate effectively using appropriate procedures for airspace;
- (j) manage the aircraft systems required for the flight;
- (k) manage the fuel system and monitor the fuel plan and fuel usage during the flight.

4. Operational scope and conditions

4.1 The following operational scope applies to the flight test:

- (a) managing an aircraft system, which is not required for the flight, is not an assessable item unless the applicant uses the system during the flight;
- (b) deliver a long briefing chosen by the flight examiner that is relevant to the training endorsements included in the flight test;
- (c) deliver a pre-flight briefing chosen by the flight examiner that is relevant to the training endorsements included in the flight test;
- (d) conduct a flight training operation where the flight examiner performs the role of a trainee pilot and the applicant performs the role of flight instructor;
- (e) conduct 2 air exercises that are chosen by the flight examiner;
- (f) as directed by the flight examiner, perform general handling manoeuvres that are relevant to the training endorsements, which are included in the flight test;
- (g) emergencies and abnormal situations relating to aircraft systems, powerplants and the airframe are simulated and limited to those described in the AFM.

4.2 The following conditions apply to the flight test:

- (a) activities and manoeuvres are performed in accordance with published procedures;
- (b) the flight test must be conducted in an aircraft, or an FSTD that is approved for the purpose, which is suitable for the training endorsements included in the flight test, except where the test must be conducted in a suitable helicopter in accordance with paragraph 61.1185 (3) (c);

- (c) for the grant of a flight instructor rating — demonstrate competency conducting aeronautical knowledge and flight training for at least 1 training endorsement;
- (d) for the grant of an additional training endorsement — demonstrate competency conducting aeronautical knowledge and flight training for the endorsement.

Appendix T.2 Simulator instructor rating flight test

1. Flight test requirements

An applicant for a simulator instructor rating flight test must demonstrate the following:

- (a) knowledge of the topics listed in subclause 2.1, which are relevant to the training endorsements that are being assessed during the test;
- (b) ability to conduct aeronautical knowledge training mentioned in subclause 2.2, that is applicable to the training endorsements being assessed;
- (c) ability to conduct the activities and manoeuvres mentioned in clause 3, within the operational scope and under the conditions mentioned in clause 4, to the competency standards required under section 12 of this MOS, which are relevant to the endorsements that are being assessed during the flight test.

Note 1 For the purposes of this unit, reference to trainee is a reference to the person who is receiving training that is being delivered by the applicant.

Note 2 For the purposes of this unit, reference to applicant is to the person who is undertaking this flight test.

2. Knowledge requirements

2.1 For paragraph 1 (a), the topics are the following topics:

- (a) privileges and limitations of a simulator instructor rating and the training endorsements included in the flight test;
- (b) proficiency check requirements;
- (c) flight review requirements;
- (d) standardisation and proficiency obligations of Part 141 and Part 142 operators;
- (e) preparing a student for training;
- (f) principles and methods of instruction;
- (g) using FSTDs for training and assessment, including limitations and advantages;
- (h) aeronautical knowledge;
 - (i) practical training aspects of the units and elements of competency;
 - (j) assessment techniques and standards;
 - (k) common errors experienced by students and methods for resolving them;
 - (l) supervision;
- (m) environmental conditions;
- (n) managing common threats and errors;
- (o) administrative matters which are relevant to the training endorsements held or being tested;
- (p) if the training endorsement authorises the instructor to conduct a flight review, the applicant is required to demonstrate knowledge of conducting flight reviews associated with the endorsement.

2.2 For paragraph 1 (b), and the endorsements being assessed, conduct aeronautical knowledge training.

Note The relevant competency standards are in unit code SIR.

Long briefing — conduct a lesson for at least 1 topic that is relevant to a training endorsement, which is included in the flight test, by doing the following:

- (a) plan the lesson and the delivery method to be used;
- (b) state the training objectives and follow the lesson plan;
- (c) use training aids effectively;
- (d) present accurate technical knowledge;
- (e) provide opportunities for the trainee to participate;
- (f) discuss applicable non-technical skills as well as threat and error management issues;
- (g) confirm training objectives are achieved and provide feedback to the trainee.

3. Activities and manoeuvres

Note For paragraph 1 (b), the flight test includes all of the following activities and manoeuvres. The sequence set out here is not necessarily intended to direct the order of activities and manoeuvres.

3.1 Pre-Flight

Note The relevant competency standards are in unit code SIR.

- (a) plan a flight training exercise;
- (b) perform pre-flight actions and procedures;
- (c) **pre-flight briefing** — conduct a pre-flight briefing for a training lesson that is relevant to a training endorsement, which is included in the test, by doing the following:
 - (i) confirm the trainee is prepared for the training lesson and they can recall the relevant underpinning knowledge;
 - (ii) brief the trainee on the training outcomes of the proposed training lesson, including the associated performance criteria;
 - (iii) brief the trainee on the format of the training lesson, how it will be conducted, and the actions required of the trainee during the training lesson;
 - (iv) discuss threat and error management issues applicable to the proposed flight.

3.2 Ground operations, take-off, departure and climb

Reserved

3.3 En route cruise

Reserved

3.4 Test specific activities and manoeuvres

Note The relevant competency standards are in unit codes SIR and FIR9.

- (a) **Air exercises** — conduct FSTD training for 2 selected training activities nominated by the flight examiner and perform the following:
 - (i) guide and facilitate the learning activity, provide clear explanations to the trainee and manage the trainee's cognitive load;
 - (ii) monitor and assess the trainee performing manoeuvres and tasks and provide further instruction as required;
 - (iii) address any technical issues or unusual conditions as they arise;
 - (iv) demonstrate the ability to operate the instructor station;
 - (v) demonstrate the ability to operate the functional controls of the pilot station;
 - (vi) demonstrate a flight sequence;
- (b) for a training endorsement that is for a multi-crew operation — conduct a multi-crew FSTD training exercise by demonstrating and assessing the following:
 - (i) teamwork and collaborative problem solving are emphasised;
 - (ii) non-technical skills that are applicable to both roles of a multi-crew operation;
 - (iii) standard operating procedures, cockpit discipline and use of automation.

3.5 Descent and arrival

Reserved

3.6 Circuit, approach and landing

Reserved

3.7 Shut down and post-flight

Note The relevant competency standards are in unit code SIR.

- (a) perform post-flight FSTD and instructor station administration;
- (b) **post-flight debriefing** — conduct a post-flight debriefing for the training activities included during the test by doing the following:
 - (i) the trainee is given the opportunity to self-assess their performance against the prescribed performance criteria and the objectives of the training activity;
 - (ii) the trainee's performance is assessed accurately and discussed effectively with the trainee;
 - (iii) trainee performance deficiencies are identified, and remedial actions and proposed training are discussed;

- (iv) discuss with the trainee any threat and error management issues that were encountered during the flight.

3.8 General requirements

Note The relevant competency standards are in unit code SIR.

Communicate effectively using appropriate procedures for airspace.

4. Operational scope and conditions

4.1 The following operational scope applies to the flight test:

- (a) deliver a long briefing chosen by the flight examiner that is relevant to the training endorsements included in the flight test;
- (b) deliver a pre-flight briefing chosen by the flight examiner that is relevant to the training endorsements included in the flight test;
- (c) conduct an FSTD training activity where the applicant performs the role of simulator instructor;
- (d) operate the FSTD, including the instructor station and other systems as required.

4.2 The following conditions apply to the flight test:

- (a) activities and manoeuvres are performed in accordance with published procedures;
- (b) the flight must be conducted in an FSTD that is approved for the training endorsements included in the flight test;
- (c) for the grant of a simulator instructor rating — demonstrate competency conducting aeronautical knowledge and FSTD training for at least 1 training endorsement;
- (d) for the grant of an additional training endorsement — demonstrate competency conducting aeronautical knowledge and FSTD training for the endorsement.