|  |
| --- |
| Overview |
| This syllabus describes the flight training and assessment activities to be undertaken during the commercial pilot licence (non-integrated) – aeroplane category rating training course.  The aim of the course is to provide the student with the required skills, knowledge and attitudes to safely exercise the commercial pilot licence– aeroplane category rating.  Flight training lessons include general handling and navigation exercises incorporating operations at controlled aerodromes and in controlled airspace, basic and advanced manoeuvres, circuit operations, basic instrument flight and procedures in the event of abnormal situations and emergencies. Human factors and non-technical skills awareness and application are also included.  Manual propeller pitch control and retractable undercarriage design feature endorsement training is conducted following the completion of CPL lesson 6 (for students not already holding these endorsements). Details of this training course are contained in a separate syllabus.  The privileges and limitations of the commercial pilot licence – aeroplane category rating are defined in CASR Part 61 Subpart 61.I. |
| **Competency Standards** |
| **Practical flight competency standards**  Flight training is provided to allow the student to meet the prescribed Part 61 MOS practical flight competency standards. Student performance is assessed against these flight competency standards. The standards required for the completion of this course and the issue of the licence are captured by the following units of competency:   |  |  | | --- | --- | | **Unit code** | **Unit of competency** | | C1 | Communicating in the aviation environment | | C2 | Perform pre- and post-flight actions and procedures | | C3 | Operate aeronautical radio | | C4 | Manage fuel | | C5 | Manage passengers and cargo | | NTS1 | Non-technical skills 1 | | NTS2 | Non-technical skills 2 | | NAV | Navigate aircraft | | A1 | Control aeroplane on the ground | | A2 | Take-off aeroplane | | A3 | Control aeroplane in normal flight | | A4 | Land aeroplane | | A5 | Aeroplane advanced manoeuvres | | A6 | Manage abnormal situations – single-engine aeroplanes | | IFF | Instrument flight full panel | | IFL | Limited instrument panel manoeuvres | | RNE | Radio navigation – enroute | | ONTA | Operate at non-towered aerodrome | | OGA | Operate in Class G airspace | | CTR | Operate at a controlled aerodrome | | CTA | Operate in controlled airspace | |

|  |
| --- |
| Competency Standards |
| **Aeronautical knowledge** **standards**  The knowledge required to meet the aeronautical knowledge standards prescribed by the Part 61 MOS may be attained through student self-study or more formal training. Theory topics and content are described in the following units of knowledge:   |  |  | | --- | --- | | **Unit code** | **Unit of knowledge** | | CAKC | CPL Aeronautical knowledge | | CAKA | CPL Aeronautical knowledge - aeroplane | | CADC | CPL Aerodynamics | | CADA | CPL Aerodynamics - aeroplane | | CFRC | CPL Flight rules and air law | | CFRA | CPL Flight rules and air law - aeroplane | | CHFC | CPL Human factors | | CNVC | CPL Navigation | | CMTC | CPL Meteorology | | COPC | CPL Ops, performance and planning | | COPA | CPL Ops, performance and planning - aeroplane | |
| **Course prerequisites** |
| This course has been developed for students who already hold a private pilot licence and aeroplane category rating. Students should have completed at least 2.3 hours of dual instrument time have logged at least 89.5 hours in command.  Students must be at least 18 years old to apply for a commercial pilot licence. |
| **Pre-course assessment flight and course duration** |
| The course may be undertaken on a part-time or full-time basis.  The syllabus is based on a total flight time of 46.8 hours inclusive of the CPL aeroplane category flight test; however the time required to achieve competency will vary from student to student.  Prior to commencing the course, students will undertake an assessment flight with the HOO or nominated senior instructor. A training plan will be tailored in order to meet the training needs of each student, as determined by their level of competency and prior experience. Adjustments to this syllabus will be made to meet the training plan, where required. |
| **Course resources** |
| Flight training is undertaken in the C172 and the PA-28R Arrow.  Other resources include a model aeroplane, cockpit cut-out, instrument flight hood or foggles, navigation charts and navigation equipment. |
| **Syllabus documentation** |
| Syllabus documentation includes:   * a planning matrix * a lesson plan and training record for each flight.   Refer to Part 5A/Section 5.1\* of the operations manual for a guide to the use of the syllabus documents. |
| **Lesson sequence and allowable variations** |
| The planning matrix provides the sequence of flight training lessons.  Any variations to the lesson sequence are only to be made with the prior approval of the HOO or authorising instructor. |
| **Flight in command** |
| The course includes 10.5 hours of command flight time.  Prior to authorising a student to conduct a solo exercise, instructors must ensure the requirements of section 3B1.1/3.4.1.1\* are met. The student’s flight plan and fuel calculations must be reviewed for accuracy. |
| **Non-technical skills** |
| Non-technical skills do not appear in the ‘lesson content’ section of every lesson plan and training record, however apply to every flight lesson. Instructors are to continually monitor the student’s application of these skills. |
| **Aeronautical knowledge examinations** |
| Successful completion of the following examinations are required prior to or during the course:   |  |  |  | | --- | --- | --- | | **Exam code** | **Subject** | **Pass standard %** | | CNAV | CPL Navigation | 70 | | CMET | CPL Meteorology | 70 | | CHUF | CPL Human factors | 70 | | CLWA | CPL Flight rules and air law – aeroplane | 80 | | CADA | CPL Aerodynamics – aeroplane | 70 | | CSYA | CPL Aircraft general knowledge – aeroplane | 70 | | CFPA | CPL Operation, performance and planning - aeroplane | 70 |   Aeronautical knowledge examinations are conducted in the ground examination facility. Refer to Part 3E/Section 3.7\* for further information regarding the conduct of these exams.  **Knowledge Deficiency Report**  If a student passes any of the CPLA aeronautical knowledge examinations with a score of less than 100%, a report shall be prepared about the competency standards in which the student’s knowledge is deficient (a knowledge deficiency report). Following further self-study, an instructor holding a grade 1 or 2 training endorsement must orally assess the student’s knowledge to ensure the deficiencies noted on the knowledge deficiency report have been addressed (i.e. knowledge corrected to 100%).  A copy of the knowledge deficiency report for each CPLA examination must be provided to the flight examiner who is to conduct the flight test. |
| **Flight test** |
| Upon successful completion of the course students must pass the CPL aeroplane category flight test, prior to making application for the commercial pilot licence.  The test is conducted by a flight examiner and involves a ground component and a cross-country flight of approximately 2.8 hours (2.5 hours airborne time). An assessment of general handling competencies is included in the test.  Flight test standards are contained in Schedule 5 App I.1 to the Part 61 MOS. Manoeuvres must be performed within the flight tolerances specified in table 2, Section 1 of Schedule 8 of the MOS.  For flight test procedures and information regarding the booking of flight tests, refer to section 3F1/3.8.1\*. |
| **Document control and access information** |
| This syllabus is a managed document and is uncontrolled if printed. Refer to the version number and date in the footer to ensure that the current syllabus is being referenced.  It is available in electronic format. Paper copies are also provided for use by instructors and students.  Syllabus documentation is to be read in conjunction with [Sample Aviation]’s operations manual, CASR Parts 61, 141 and the Part 61 Manual of Standards. |

\*MAAT manual reference