|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Flight no: | RPL(A)2.\_\_\_\_ | Trainee name & ARN: |  | | |
| Date: |  | Instructor: |  | | |
| Aircraft registration: |  | Aircraft type: |  | Flight time: |  |

|  |
| --- |
| Lesson Overview  * Establish and maintain straight and level flight * Straight flight - reference point/heading, wings level, aeroplane in balance * Level flight – attitude, trim * Power + attitude+ configuration = performance * Straight & level at various airspeeds, power settings and configurations:   + normal, fast, slow & precautionary (flaps) cruise |

| PRE-FLIGHT KNOWLEDGE  Long Briefing: 1.0 hour Pre-flight Briefing: 0.3 hour  Underpinning knowledge: as required | |
| --- | --- |
| Content | |
| **Long briefing** – Straight & Level   * Aerodynamic forces acting on the aeroplane; lift, weight, thrust, drag * Generation of lift * Stability * Attitude flying * Power + attitude +configuration = performance * Operation of controls and technique for maintaining straight flight & level flight * Instrument indications * Cruise configurations * Application in flight | |
| **Underpinning knowledge**   * Review/expand previously introduced knowledge as required * Typical single-engine aeroplane systems [[A1 4(a), A3 4(d)] * Fuel requirements for day VFR flight operation [C2 4(b), C4 4(a)] | |
| **HF & NTS**   * Principles of ‘see and avoid’ * Visual limitations * Visual scan technique - use of clock code * Hand over/take over technique (e.g. ‘I have control – you have control’) * Control technique | |
| **Pre-flight briefing**   * Review flight sequences, what to expect, see & do * Check essential knowledge * Reinforce threat & error management * Reinforce significant airmanship points | |
| **Pre-flight knowledge components complete:** | **Instructor’s signature & date** |

|  |  |  |
| --- | --- | --- |
| Performance Standard | | |
| **3** | **2** | **1** |
| Has received training in the element, however is not able to consistently demonstrate competency to the standard required for qualification issue | Demonstrates a developing level of proficiency, and is deemed safe to conduct solo practice under direct supervision | Achieves competency to the standard required for qualification issue |

| FLIGHT TRAINING  Suggested flight time: 1.0 hour dual | | | |
| --- | --- | --- | --- |
| MOS Reference | Lesson Content (Elements & Performance Criteria) | Performance  Standard | |
| Required | Achieved\* |
| 1. C1.1 | Communicating face-to-face |  |  |
|  | pronounces words clearly, using an accent that does not cause difficulties in understanding | 3 |  |
|  | conveys information in clearly structured sentences without confusion or ambiguity | 3 |  |
|  | uses an extensive vocabulary to accurately communicate on general and technical topics, without excessive use of jargon, slang or colloquial language | 3 |  |
|  | speaks fluently without long pauses, repetition or excessive false starts | 3 |  |
|  | responds to communications with actions that demonstrate that the information has been received and understood | 3 |  |
|  | exchanges information clearly in a variety of situations with both expert and non-expert English speakers while giving and receiving timely and appropriate responses | 3 |  |
|  | uses appropriate techniques to validate communications | 3 |  |
| 1. A3.2 | Maintain straight and level flight |  |  |
|  | operate and monitor all aircraft systems during straight and level flight manoeuvres | 3 |  |
|  | adjust altimeter subscale according to applicable settings | 3 |  |
|  | identify and avoid terrain and traffic | 3 |  |
|  | for the following straight and level manoeuvres select power, attitude and configuration as required for the flight path, balance and trim the aeroplane accurately, and apply smooth, coordinated control inputs to achieve the required flight tolerances that apply to the manoeuvre: |  |  |
|  | * + 1. at slow speed | 3 |  |
|  | * + 1. at normal cruise | 3 |  |
|  | * + 1. at high-speed cruise | 3 |  |
|  | * + 1. during acceleration and deceleration | 3 |  |
|  | * + 1. with flaps selected | 3 |  |

\*Enter the performance standard achieved if it is different to that required

Where it has not been possible to introduce performance criteria or the trainee has not achieved the required standard, the performance criteria must be covered during the next lesson. Enter these performance criteria in the lesson record for the subsequent lesson.

| CONSOLIDATION AND/OR REMEDIAL TRAINING | | | |
| --- | --- | --- | --- |
| MOS Reference | Lesson Content (Elements & Performance Criteria) | Performance  Standard | |
| Required | Achieved |
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| DEBRIEFING |
| --- |
| Content |
| * Training review and outcomes achieved against lesson objectives and the Part 61 MOS competency standards * Recommendations for next lesson (including any carryover/remedial training) * Trainee preparation for next lesson * Training record completion and sign off |

| COMMENTS AND OUTCOME | | |
| --- | --- | --- |
|  | | |
| **Proceed to next training session?** | **Yes** | **No** |

| Instructor’s signature & date | Trainee’s signature & date |
| --- | --- |
|  |  |