|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Flight no: | RPL(A)1.\_\_\_\_ | Trainee name & ARN: |  | | |
| Date: |  | Instructor: |  | | |
| Aircraft registration: |  | Aircraft type: |  | Flight time: |  |

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| Lesson Overview  * Introduction to manoeuvring the aeroplane on the ground and in flight * Attitude flying * Primary and secondary effect of controls * Operation of ancillary controls * Effect of power, slipstream, airspeed, undercarriage (if retractable), flap and trim |

| PRE-FLIGHT KNOWLEDGE  Long Briefing: 1.0 hour Pre-flight Briefing: 0.3 hour  Underpinning knowledge: as required | |
| --- | --- |
| Content | |
| **Long briefing** – Effects of Controls   * Planes of movement; pitch, roll & yaw * Control surfaces * Primary effect of controls * Secondary effect of controls * Operation of ancillary controls * Effect of power, slipstream and airspeed * Operation and effect of undercarriage (if retractable),operation and effect of flap * Operation and effect of trimming control(s) * Application in flight | |
| **Underpinning knowledge**   * Identify grade of fuel, verify fuel quantity (pre-flight inspection) [C4 4(b)&(c)] * Typical single-engine aeroplane systems [A4 4(a)], carburettor icing [A1 4(c)] * Ground surface and propeller care considerations [A1 4(l)] * Primary effects of controls [A3 4(a)] * Secondary effects of controls [A3 4(b)] | |
| **HF & NTS**   * Principles of ‘see and avoid’ * 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** |

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| 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. C2.1 | Pre-flight actions and procedures |  |  |
|  | complete all required pre-flight administration documentation | 3 |  |
| 1. C2.2 | Perform pre-flight inspection |  |  |
|  | complete an internal and external check of the aircraft | 3 |  |
|  | ensure all aircraft locking and securing devices, covers and bungs are removed and stowed securely | 3 |  |
| 1. A1.1 | Start and stop engine |  |  |
|  | perform engine start and after start actions | 3 |  |
|  | perform engine shutdown and after shutdown actions | 3 |  |
|  | considers ground surface in relation to contamination and propeller care during engine start and stop activities | 3 |  |
| 1. A1.2 | Taxi aeroplane |  |  |
|  | comply with taxiway and other aerodrome markings, right-of-way rules and ATC or marshalling instructions when applicable | 3 |  |
|  | maintain safe taxi speed and control of the aircraft | 3 |  |
|  | maintain safe spacing from other aircraft, obstructions, and persons | 3 |  |
|  | taxi the aeroplane along the centre of the taxiway | 3 |  |
|  | avoid causing a hazard to other aircraft, objects or persons | 3 |  |
|  | correctly manage the engine during taxi manoeuvres | 3 |  |
| 1. NTS1.1 | Maintain effective lookout |  |  |
|  | maintain traffic separation using a systematic visual scan technique at a rate determined by traffic density, visibility and terrain | 3 |  |
| 1. C2.3 | Post-flight actions and procedures |  |  |
|  | shut down aircraft | 3 |  |
|  | conduct post-flight inspection and secure the aircraft (if applicable) | 3 |  |
|  | complete all required post-flight administration documentation | 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.

| DEBRIEFING |
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| 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 |
| --- | --- |
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