|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Flight no: | RPL(A)4.\_\_\_\_ | Trainee name & ARN: |  | | |
| Date: |  | Instructor: |  | | |
| Aircraft registration: |  | Aircraft type: |  | Flight time: |  |

|  |
| --- |
| Lesson Overview  * Adverse yaw demonstration * Medium level turns * Climbing turns * Descending turns (glide and powered) * Introduction to spiral dive – recognition and recovery (instructor demonstration only) * Refuelling * **Assess:**   + Communicating face-to-face |

| PRE-FLIGHT KNOWLEDGE  Long Briefing: 0.8 hour Pre-flight Briefing: 0.3 hour  Underpinning knowledge: as required | |
| --- | --- |
| Content | |
| **Long briefing** – Turning   * Aerodynamic forces acting on the aeroplane during a turn * Adverse yaw * Overbank/underbank tendency * Attitude flying * Medium level turns, climbing turns, descending turns * Spiral dive introduction - causes, symptoms, recognition and recovery technique * Instrument indications * Application in flight | |
| **Underpinning knowledge**   * Review/expand previously introduced knowledge as required * Basic radiotelephony phraseology and common aviation terminology [C1 4(a)&(b)] * Phonetic alphabet [C3 4(a)] * Aeronautical radio system components [C3 4(c)] * Refuelling procedures, precautions and safety requirements [C4 4(d)-(g)] * Meaning of aerodrome markings, signals and local procedures [A1 4(k)] | |
| **HF & NTS**   * Fitness for flight * Principles of ‘see and avoid’ * Visual limitations * Visual scan technique - use of clock code * Lookout technique prior and during turning * Work cycle (e.g. lookout, attitude, performance-LAP) * 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 | **2** |  |
|  | conveys information in clearly structured sentences without confusion or ambiguity | **2** |  |
|  | uses an extensive vocabulary to accurately communicate on general and technical topics, without excessive use of jargon, slang or colloquial language | **2** |  |
|  | speaks fluently without long pauses, repetition or excessive false starts | **2** |  |
|  | responds to communications with actions that demonstrate that the information has been received and understood | **2** |  |
|  | exchanges information clearly in a variety of situations with both expert and non-expert English speakers while giving and receiving timely and appropriate responses | **2** |  |
|  | uses appropriate techniques to validate communications | **2** |  |
| 1. C1.2 | Operational communication using an aeronautical radio |  |  |
|  | apply the phonetic alphabet | 3 |  |
|  | transmit numbers | 3 |  |
|  | make appropriate transmissions using standard aviation phraseology | 3 |  |
|  | use plain English effectively when standard phraseology is inadequate | 3 |  |
|  | receive appropriate responses to transmissions | 3 |  |
| 1. C3.1 | Operate radio equipment |  |  |
|  | conduct transmission and receipt of radio communications using appropriate procedures and phraseology | 3 |  |
| 1. C4.3 | Refuel aircraft |  |  |
|  | identify the correct type of fuel to be used | 3 |  |
|  | ensure aircraft is earthed prior to refuelling and defueling operations | 3 |  |
|  | correctly load and unload fuel | 3 |  |
|  | ensure required fuel quantity is loaded | 3 |  |
|  | ensure fuel caps are closed and secured after fuelling operations | 3 |  |
|  | perform fuel quality checks | 3 |  |
| 1. C3.3 | Operate transponder |  |  |
|  | operate a transponder during normal, abnormal and emergency operations  (normal operations) | 3 |  |
| 1. A3.4 | Turn aeroplane |  |  |
|  | operate and monitor all aircraft systems during turning flight manoeuvres | 3 |  |
|  | for the following turning 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: |  |  |
|  | (i) level turns | 3 |  |
|  | (ii) climbing turns | 3 |  |
|  | (iii) powered descending turns | 3 |  |
|  | (iv) gliding descending turns | 3 |  |
|  | complete turn manoeuvre on a nominated heading or geographical feature | 3 |  |
|  | turn aeroplane at varying rates to achieve specified tracks | 3 |  |
|  | manoeuvre aeroplane over specified tracks or geographical features | 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 |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

| 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 |
| --- | --- |
|  |  |