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| --- | --- | --- | --- | --- | --- |
| Flight no: | RPL(A)19.\_\_\_\_ | Trainee name & ARN: |  | | |
| Date: |  | Instructor: |  | | |
| Aircraft registration: |  | Aircraft type: |  | Flight time: |  |

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| Lesson Overview  * Crosswind circuits * Review missed approach and recovery from missed landing * Review engine failure after take-off and in the circuit area * **Assess:**   + local observations, use of weather forecasts   + refuelling   + crosswind take-off and landing   + operational communication   + NTS lookout, effective communications and interpersonal relationships |

| PRE-FLIGHT KNOWLEDGE  Long Briefing: 0.5 hour Pre-flight Briefing: 0.3 hour  Underpinning knowledge: as required | |
| --- | --- |
| Content | |
| **Long briefing** – Crosswind Circuits   * Check essential knowledge from circuits briefing * Aeroplane crosswind limitations/maximum demonstrated crosswind * Company crosswind limitations, personal limitation * Drift compensation considerations * Calculation of crosswind component for landing * Crosswind take-off, approach and landing technique | |
| **Underpinning knowledge**   * Review/expand previously introduced knowledge as required * Obtaining or calculating the crosswind and down or upwind components [A2 4(a)] * Interpreting windsock indications and determining wind direction and speed [A2 4(c)] * Dangers associated with mechanical and wake turbulence [A3 4(k)] * Aeroplane limitations [A4 4(c)] * Options when local conditions are not suitable for landing [A4 4(e)] * Causes of loss of control of aeroplane on landing [A4 4(f)] * Contents of the aircraft flight manual and pilot’s operating handbook [A4 4(g)] | |
| **HF & NTS**   * Effective communication under normal and non-normal circumstances [NTS1 4(a), NTS2 4(a)] * Undesired aeroplane state – prevention, identifying, controlling [NTS2 4(e)] * How an undesired aeroplane state can develop from unmanaged threat or error [NTS2 4(f)] | |
| **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 |  |  |
|  | obtain, interpret and apply information contained in the required pre-flight operational documentation, including the following: |  |  |
|  | * + 1. weather forecasts | **2** |  |
|  | * + 1. local observations | **2** |  |
| 1. C4.3 | Refuel aircraft | 2 |  |
| 1. A2.3 | Take off aeroplane in a crosswind |  |  |
|  | perform a take-off in an aeroplane making appropriate adjustments for the crosswind conditions | **2** |  |
|  | maintain the runway centreline and extended centreline | **2** |  |
| 1. A6.1 | Manage engine failure - take-off (simulated) | 2 |  |
|  | ensure passengers adopt brace position | 3 |  |
| 1. A3.6 | Perform circuits and approaches | 2 |  |
| 1. A6.2 | Manage engine failure in the circuit area (simulated) | 2 |  |
|  | re-brief passengers about flight situation, brace position and harness security | 3 |  |
| 1. C1.2 | Operational communication using an aeronautical radio |  |  |
|  | communicate effectively in unfamiliar, stressful or non-standard situations | **2** |  |
|  | communicate effectively in unexpected, stressful or non-standard situations using standard phraseology or plain English | **2** |  |
| 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 | **1** |  |
|  | maintain radio listening watch and interpret transmissions to determine traffic location and intentions | **1** |  |
|  | perform airspace-cleared procedure before commencing any manoeuvre | **1** |  |
| 1. NTS1.5 | Maintain effective communications and interpersonal relationships |  |  |
|  | establish and maintain effective and efficient communications and interpersonal relationships with all stakeholders to ensure the optimum outcome of the flight | **2** |  |
|  | define and explain objectives to stakeholders | **2** |  |
|  | demonstrate a level of assertiveness that ensures the optimum completion of the flight | **2** |  |
| 1. A4.2 | Land aeroplane in a crosswind |  |  |
|  | verify existing wind conditions, make proper correction for drift, and maintain a precise ground track | **2** |  |
|  | configure the aeroplane for the crosswind conditions | **2** |  |
|  | control the aeroplane during the transition from final approach to touchdown and during after-landing roll to compensate for the crosswind conditions | **2** |  |

\*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 |
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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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