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| --- | --- | --- | --- | --- | --- |
| Flight no: | RPL(A)6.\_\_\_\_ | Trainee name & ARN: |  | | |
| Date: |  | Instructor: |  | | |
| Aircraft registration: |  | Aircraft type: |  | Flight time: |  |

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| Lesson Overview  * Circuit introduction:   + normal take-off   + standard circuit   + normal approach   + normal landing * **Assess**:   + straight and level   + control aeroplane at slow speed - training area   + stalling (from straight and level, approach configuration) – training area   + post-flight actions and procedures |

| PRE-FLIGHT KNOWLEDGE  Long Briefing: 0.8 hour Pre-flight Briefing: 0.3 hour  Underpinning knowledge: as required | |
| --- | --- |
| Content | |
| **Long briefing** – Circuit introduction   * Circuit pattern * Benefits of take-off and landing into wind * Take-off technique * Local aerodrome circuit procedures * Aeroplane operating procedures and checklists * Traffic management * Interpretation of windsock indications - wind speed and direction * Approach technique, judgement of aeroplane approach profile and regaining correct approach path * Landing technique * Procedures and cautions during touch and go | |
| **Underpinning knowledge**   * Review/expand previously introduced knowledge as required * Local aerodrome requirements [C2 4(f)], Local area operating procedures [A3 4(p)] (circuit area procedures) * Documented radio procedures relevant to the VFR [C3 4(b)] * Actions to be taken in the event of a brake, tyre or steering failure [A1 4(m)] | |
| **HF & NTS**   * Effective communication under normal circumstances [NTS1 4(a)] * Application of situational awareness to identify real or potential environmental or operational threats to flight safety [NTS2 4(c)] * Use of checklists and standard operating procedures to prevent errors [NTS2 4(h)] * Task management, organise workload [NTS2 4(i),(i)-(v)] * Visual scan technique - use of clock code, importance of lookout and identification of traffic * Traffic management – speed control, circuit pattern adjustments * 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. A1.2 | Taxi aeroplane |  |  |
|  | perform applicable taxi checks, including the following: |  |  |
|  | * + 1. brakes and steering function normally and take appropriate action in the event of a malfunction | 3 |  |
|  | * + 1. altimeter setting | 3 |  |
|  | correct handling techniques are applied to take into account wind from all four quadrants | 3 |  |
| 1. A2.1 | Carry out pre take-off procedures |  |  |
|  | correctly identify critical airspeeds, configurations, and emergency and abnormal procedures for normal and crosswind take-offs | 3 |  |
|  | work out a plan of action, in advance, to ensure the safest outcome in the event of abnormal operations | 3 |  |
|  | verify and correctly apply correction for the existing wind component to the take-off performance | 3 |  |
|  | perform all pre take-off and line-up checks required by the aircraft checklist | 3 |  |
|  | ensure approach path is clear of conflicting traffic and other hazards before lining up for take-off | 3 |  |
|  | align the aeroplane on the runway centreline | 3 |  |
| 1. A2.2 | Take off aeroplane |  |  |
|  | apply the controls correctly to maintain longitudinal alignment on the centreline of the runway, if appropriate, prior to initiating and during the take-off | 3 |  |
|  | adjust the power controls taking into account the existing conditions | 3 |  |
|  | monitor power controls, settings, and instruments during take-off to ensure all predetermined parameters are achieved and maintained | 3 |  |
|  | adjust the controls to attain the desired pitch attitude at the predetermined airspeed to attain the desired performance | 3 |  |
|  | perform the take-off applying the required pitch, roll and yaw inputs as appropriate in a smooth, coordinated manner | 3 |  |
|  | trim the aeroplane accurately | 3 |  |
|  | perform gear and flap retractions, power adjustments (as applicable) and other required pilot-related activities | 3 |  |
|  | maintain flight path along the runway extended centreline | 3 |  |
|  | apply the applicable noise abatement and wake turbulence avoidance procedures | 3 |  |
| 1. A2.4 | Carry out after take-off procedures |  |  |
|  | perform after take-off checklist | 3 |  |
|  | maintain the appropriate climb segment at the nominated heading and airspeed | 3 |  |
|  | manoeuvre according to local and standard procedures | 3 |  |
|  | maintain traffic separation | 3 |  |
| 1. C1.2 | Operational communication using an aeronautical radio |  |  |
|  | maintain effective communication with others on operational matters | 3 |  |
|  | respond to transmissions and take appropriate action | 3 |  |
|  | recognise and manage communication errors and misunderstandings effectively | 3 |  |
|  | seek clarification in the time available if a message is unclear or uncertainty exists | 3 |  |
|  | react appropriately to a variety of regional accents | 3 |  |
| 1. C3.1 | Operate radio equipment |  |  |
|  | maintain a listening watch and respond appropriately to applicable transmissions | 3 |  |
| 1. A3.2 | Maintain straight and level flight | **2** |  |
| 1. A3.5 | Control aeroplane at slow speeds | **2** |  |
| 1. A5.1 | Enter and recover from stall | **2** |  |
| 1. A3.6 | Perform circuits and approaches |  |  |
|  | operate and monitor all aircraft systems when operating the aeroplane in the circuit | 3 |  |
|  | in accordance with specific local procedures, safely perform a full circuit pattern (5 legs) by balancing and trimming the aeroplane accurately while applying smooth, coordinated control inputs to achieve the required flight tolerances specified for the flight path flown during traffic pattern manoeuvres as follows: |  |  |
|  | * + 1. track upwind along extended centreline to 500 ft | 3 |  |
|  | * + 1. establish and maintain crosswind leg tracking 90° to the runway | 3 |  |
|  | * + 1. establish and maintain downwind leg tracking parallel to, and at a specified distance from, the runway at circuit height | 3 |  |
|  | * + 1. establish base leg tracking 90° to the runway at a specified distance from the runway threshold | 3 |  |
|  | perform checks as required throughout circuit | 3 |  |
|  | establish the approach and landing configuration appropriate for the runway and meteorological conditions, and adjust the power plant controls as required for the following: |  |  |
|  | * + 1. commence and control approach descent path | 3 |  |
|  | * + 1. adjust descent commencement point to take account of extended downwind leg or traffic adjustments | 3 |  |
|  | * + 1. align and maintain aircraft on final approach flight path with specified or appropriate runway | 3 |  |
|  | * + 1. set and maintain approach configuration not below 500 ft AGL | 3 |  |
|  | * + 1. identify and maintain the nominated aiming point | 3 |  |
|  | * + 1. maintain a stabilised approach angle at the nominated airspeed not less than 1.3Vs to the round-out height | 3 |  |
|  | * + 1. verify existing wind conditions, make proper correction for drift, and maintain a precise ground track | 3 |  |
|  | * + 1. apply speed allowances for wind gusts | 3 |  |
|  | * + 1. configure aeroplane for landing | 3 |  |
|  | maintain aircraft separation and position in the circuit with reference to other aircraft traffic in the circuit area | 3 |  |
| 1. NTS1.1 | Maintain effective lookout |  |  |
|  | maintain radio listening watch and interpret transmissions to determine traffic location and intentions | 3 |  |
| 1. NTS1.4 | Set priorities and manage tasks |  |  |
|  | plan events and tasks to occur sequentially | 3 |  |
|  | anticipate events and tasks to ensure sufficient opportunity for completion | 3 |  |
| 1. A4.1 | Land aeroplane |  |  |
|  | maintain a constant landing position aim point | 3 |  |
|  | achieve a smooth, positively-controlled transition from final approach to touchdown, including the following: |  |  |
|  | * + 1. control ballooning during flare | 3 |  |
|  | * + 1. touchdown at a controlled rate of descent, in the specified touchdown zone within tolerances | 3 |  |
|  | * + 1. control bouncing after touchdown | 3 |  |
|  | * + 1. touch down aligned with the centreline within tolerances | 3 |  |
|  | ensure separation is maintained | 3 |  |
|  | maintain positive directional control and crosswind correction during the after-landing roll | 3 |  |
|  | use drag and braking devices, as applicable, in such a manner to bring the aeroplane to a safe stop | 3 |  |
|  | complete the applicable after-landing checklist items in a timely manner | 3 |  |
| 1. C2.3 | Post-flight actions and procedures |  |  |
|  | shut down aircraft | **2** |  |
|  | conduct post-flight inspection and secure the aircraft (if applicable) | **2** |  |
|  | complete all required post-flight administration documentation | **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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