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

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| Lesson Overview  * Landings and lift-offs * Hovering in crosswind and tailwind * Turns about the nose and tail * Sideways and rearwards flight |

| PRE-FLIGHT KNOWLEDGE  Long Briefing: 0.8 hour Pre-flight Briefing: 0.3 hour  Underpinning knowledge: as required | |
| --- | --- |
| Content | |
| * **Long briefing** – Landings and lift offs * **Aerodynamics associated with ground effect** * Dynamic Rollover * Loss of tail rotor effectiveness * Robinson Helicopter Safety Notice SN -36 (if applicable) | |
| **Underpinning knowledge**   * Review/expand previously introduced knowledge as required * Airworthiness requirements applicable to the helicopter class or type [C2(d)] * Documented radio procedures relevant to the VFR [C3(b)] * Ground resonance and action to be taken when it occurs [H1(g)], [H2(e)] * Taxiway and runway markings [H2(f)], [H3(c)] * Loss of tail rotor effectiveness and actions to be taken when it occurs [H2(g)], [H3(d)] | |
| **HF & NTS**   * Lookout for taxiing traffic * Listen out for taxiing traffic * Fitness for flight * More frequent scanning of instruments is required due to higher than normal power use and fuel consumption * Visual scanning technique * Hand over/take over 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. C1.2 | Operational communication using an aeronautical radio |  |  |
| (h) | respond to transmissions and take appropriate action | 3 |  |
| (i) | recognise and manage communication errors and misunderstandings effectively | 3 |  |
| (j) | seek clarification in the time available if a message is unclear or uncertainty exists | 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 |  |
| 1. H2.2 | Hover helicopter in crosswind and tailwind |  |  |
|  | helicopter is maintained in hovering flight remaining over a nominated hover point at a nominated height and heading in cross and tail winds | 3 |  |
|  | coordinated corrective action is used to maintain a constant rate of turn and counter the effects of wind | 3 |  |
| 1. H2.4 | Perform turns around nose and tail |  |  |
|  | helicopter is turned around a nominated point on or forward of the nose while maintaining a constant height and specified rate of movement around that point | 3 |  |
|  | helicopter is turned around a nominated point on or aft of the tail while maintaining a constant height and specified rate of movement around that point | 3 |  |
|  | controlled corrective action is taken to counter the effects of wind | 3 |  |
|  | helicopter is maintained clear of obstructions during turning manoeuvres | 3 |  |
|  | lookout is maintained using a systematic scan technique at a rate determined by traffic density, visibility, obstructions and terrain | 3 |  |
|  | turns in a specified direction are commenced and stopped at a specified heading | 3 |  |
|  | RPM is managed within limits during the turn | 3 |  |
|  | maintain ground track at a constant distance from the nominated point | 3 |  |
|  | anti-torque pedals are used to ensure helicopter nose or tail is pointed at the nominated turning point | 3 |  |
| 1. H2.5 | Perform sideways and rearwards flight |  |  |
|  | helicopter is transitioned from static hover to sideways and rearward flight | 3 |  |
|  | lookout is maintained in direction of flight using a systematic scan technique at a rate determined by traffic density, visibility, obstructions and terrain | 3 |  |
|  | rearward movement is only conducted after visually checking behind helicopter, and height is adjusted as required | 3 |  |
|  | helicopter directional control is maintained and manoeuvred clear of obstructions during sidewards and backwards flight manoeuvres | 3 |  |
|  | RPM is managed within limits during the turn | 3 |  |
|  | maintain rate of movement of helicopter at a safe speed | 3 |  |
|  | sideways and rearward flight is terminated over a nominated hover point | 3 |  |
| 1. H2.6 | Land from the hover |  |  |
|  | complete pre-landing checks (if applicable) | 3 |  |
|  | helicopter is lowered on to a nominated point from hovering flight using a controlled rate of descent, without adverse longitudinal, lateral, yawing or rolling movements | 3 |  |
|  | ensure helicopter is stable on its landing gear prior to fully lowering collective | 3 |  |
|  | after-landing checks are performed | 3 |  |
| 1. H2.7 | Manage a mishandled landing |  |  |
|  | identify when an adverse landing situation is developing | 3 |  |
|  | appropriate action is taken to discontinue the landing and return to a safe hover | 3 |  |
| 1. H2.8 | Manage a mishandled lift off |  |  |
|  | identify when an adverse lift off situation is developing | 3 |  |
|  | appropriate action is taken to discontinue the lift off and return to the ground safely | 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 |
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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 | | |
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| **Proceed to next training session?** | **Yes** | **No** |

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