|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Flight no: | CPL(H) 45.\_\_\_ | Trainee name & ARN: |  | | |
| Date: |  | Instructor: |  | | |
| Aircraft registration: |  | Aircraft type: |  | Flight time: |  |

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| --- |
| Lesson Overview  * Consolidation and practise of previously introduced principles and techniques |

| PRE-FLIGHT KNOWLEDGE  Long Briefing: As required. Pre-flight Briefing: 0.3 hour  Underpinning knowledge: as required | |
| --- | --- |
| Content | |
| **Long briefing** –Basic Instrument Flight   * Review/expand previously introduced material as required | |
| **Underpinning knowledge** (relevant to the stage of training):   * Review/expand previously introduced knowledge as required | |
| **HF & NTS**   * Ensure VMC can be maintained * Look out for traffic. * Maintain situational awareness * Use correct handover /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 [1.2 hours dual] | | | |
| --- | --- | --- | --- |
| MOS Reference | Lesson Content (Elements & Performance Criteria) | Performance  Standard | |
| Required | Achieved\* |
| **IFF.1** | **Determine and monitor the serviceability of flight instruments and instrument power sources** |  |  |
| (a) | determine serviceability of flight and navigational instruments | 1 |  |
| (b) | perform functional checks of flight and navigational instruments where applicable prior to take-off | 1 |  |
| (c) | monitor flight instrument and instrument power sources and react to any warnings, unserviceability or erroneous indications | 1 |  |
| **IFF.2** | **Perform manoeuvres using full instrument panel** |  |  |
| (a) | interpret flight instrument indications and apply procedures and techniques to achieve and maintain a specified flight path using the aircraft's full instrument panel | 1 |  |
| (b) | set and maintain power and attitude by reference to the full instrument panel to achieve the following: |  |  |
|  | (i) straight and level performance during normal cruise within the flight tolerances | 1 |  |
|  | (ii) nominated climb performance within the flight tolerance | 1 |  |
|  | (iii) descent performance within the flight tolerances | 1 |  |
| (c) | set and maintain power and attitude by reference to the full instrument panel to establish a rate 1 turn onto a nominated heading within the flight tolerances | 1 |  |
| **IFF.3** | **Recover from upset situations and unusual attitudes** |  |  |
| (a) | correctly identify upset situations and unusual attitudes under simulated IMC | 1 |  |
| (b) | recover to controlled flight from upset situations and unusual attitudes under simulated IMC from any combination of the following aircraft states: |  |  |
|  | (i) high and low-nose attitudes | 1 |  |
|  | (ii) varying angles of bank | 1 |  |
|  | (iii) various power settings | 1 |  |
|  | (iv) various aircraft configurations | 1 |  |
|  | (v) unbalanced flight | 1 |  |
| **IFL.1** | **Recognise failure of attitude indicator and stabilised heading indicator** |  |  |
| (a) | monitor flight instruments and instrument power sources and recognise warning indicators or erroneous instrument indications | 1 |  |
| (b) | transition from a full instrument panel to a limited instrument panel | 1 |  |
| **IFL.2** | **Perform manoeuvres - limited panel** |  |  |
| (a) | interpret and respond appropriately to instrument indications | 1 |  |
| (b) | apply power and attitude settings to achieve straight and level performance during: |  |  |
|  | (i) normal cruise | 1 |  |
|  | (ii) in a helicopter - at minimum power for level flight speed | 1 |  |
| (c) | apply power and attitude settings to achieve: |  |  |
|  | (i)  nominated climb performance | 1 |  |
|  | (ii)  nominated descent performance | 1 |  |
|  | (iii)  during climb, descent and straight and level flight, rate 1 turns onto a nominated heading | 1 |  |
| (d) | balance aircraft | 1 |  |
| (e) | establish level flight at a nominated altitude, from a climb or descent during straight or turning flight | 1 |  |
| **IFL.3** | **Recover from upset situations and unusual attitudes - limited panel** |  |  |
| (a) | correctly identify upset situations and unusual attitudes under simulated IMC | 1 |  |
| (b) | recover to stabilised straight and level flight using approved techniques from upset situations and unusual attitudes under simulated IMC from any combination of the following aircraft states: |  |  |
|  | (i) high and low-nose attitudes | 1 |  |
|  | (ii) varying angles of bank | 1 |  |
|  | (iii) various power settings | 1 |  |
|  | (iv) various aircraft configurations | 1 |  |
|  | (v) unbalanced flight | 1 |  |
| **IFL.4** | **Re-establish visual flight** |  |  |
| (a) | transition from visual flight conditions to instrument flight conditions while maintaining control of the aircraft | 1 |  |
| (b) | perform a manoeuvre to re-establish visual flight | 1 |  |
| (c) | implement a plan that ensures the flight continues in VMC | 1 |  |

\*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 |
| --- |
| 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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