|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Flight no: | CPL (A) 12.\_\_\_\_ | Trainee name & ARN: |  | | |
| Date: |  | Instructor: |  | | |
| Aircraft registration: |  | Aircraft type: |  | Flight time: |  |

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| Lesson Overview  * CPL Navigation Exercise 8 – Navigation route: [Enter navigation route\*] * Simulated commercial exercise, including simulated passenger and cargo management and loading * Revise:   + ‘Short field’ take-off and landing   + Simulated engine failure on take-off, simulated engine failure in the circuit area   + Best range and best endurance configurations   + Steep turning   + Sideslipping   + Practice forced landing, simulated complete engine failure   + Basic instrument flight, navigation aids and systems, unusual attitude recoveries, full and limited panel   + Simulated inadvertent IMC entry and return to visual flight   + Lost procedure   + Circuits (at base aerodrome following navigation exercise) * **Assess**:   + Refuelling   + Pre-flight actions and procedures, pre-flight inspection   + Taxiing   + Communicating face-to-face, operational communication using an aeronautical radio, operate radio equipment, manage R/T equipment malfunctions, operate transponder   + Local area airspace   + Post flight actions and procedures   *\*lesson plan scenario – OCTA– training area for assessment of local area airspace & general handling exercises -CTA – OCTA (circuits on return to operating base)* |

| PRE-FLIGHT KNOWLEDGE  Long Briefing: as required Pre-flight Briefing: as required  Underpinning knowledge: as required | |
| --- | --- |
| Content | |
| **Long briefing**   * Preparation for and overview of exercise * Revision as required | |
| **Underpinning knowledge**   * As required | |
| **HF & NTS**   * As required | |
| **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: 3.5 hours dual (0.4 IF) | | | |
| --- | --- | --- | --- |
| MOS Reference | Lesson Content (Elements & Performance Criteria) | Performance  Standard | |
| Required | Achieved\* |
| 1. NAV.1 | Prepare documents and flight plan |  |  |
|  | calculate and document critical point (CP) and point of no return (PNR) locations | 2 |  |
| 1. A3.7 | Local area airspace |  |  |
|  | using an appropriate chart, for the local area and circuit area: |  |  |
|  | * + 1. identify geographical features | **1** |  |
|  | * + 1. identify geographical limits | **1** |  |
|  | * + 1. identify restricted, controlled and uncontrolled airspace areas | **1** |  |
|  | * + 1. state local airspace limits | **1** |  |
|  | * + 1. identify the transit route between the departure aerodrome and training area | **1** |  |
|  | * + 1. identify the geographical limits of the training area | **1** |  |
|  | * + 1. identify aerodromes and landing areas within the local area | **1** |  |
| 1. C1.1 | Communicating face-to-face | **1** |  |
| 1. C2.1 | Pre-flight actions and procedures | **1** |  |
| 1. C2.2 | Perform pre-flight inspection | **1** |  |
| 1. C4.3 | Refuel aircraft | **1** |  |
|  |  |  |  |
| 1. A1.2 | Taxi aeroplane | **1** |  |
| 1. A6.1 | Manage engine failure - take-off (simulated) | 2 |  |
| 1. A2.5 | Take off aeroplane from ‘short field’ | 2 |  |
| 1. C3.1 | Operate radio equipment | **1** |  |
| 1. C1.2 | Operational communication using an aeronautical radio | **1** |  |
| 1. C3.2 | Manage R/T equipment malfunctions | **1** |  |
| 1. C3.3 | Operate transponder | **1** |  |
| 1. A3.7 | Local area airspace |  |  |
|  | maintain orientation and pinpoint location by using geographical features and a local area chart | **1** |  |
|  | transit from the circuit area and transit to the designated training area | **1** |  |
|  | operate safely within a transit lane (if applicable) | **1** |  |
|  | remain clear of restricted, controlled and other appropriately designated airspace | **1** |  |
|  | operate safely in the vicinity of local aerodromes and landing areas | **1** |  |
|  | transit from the designated training area to the circuit area | **1** |  |
|  | set QNH appropriately | **1** |  |
|  | correctly determine which runway is to be used for landing | **1** |  |
|  | ensure runway is serviceable and available | **1** |  |
|  | position aircraft for arrival into the circuit | **1** |  |
| 1. A5.3 | Turn aeroplane steeply | 2 |  |
| 1. A5.4 | Sideslip aeroplane (where flight manual permits) *Straight sideslip and sideslipping turn* | 2 |  |
| 1. C4.2 | Manage fuel system *Configure for best range performance and best endurance performance, calculate revised endurance for each* | 2 |  |
| 1. A6.3 | Perform forced landing (simulated) *(simulated complete engine failure)* | 2 |  |
| 1. IFF.1 | Determine and monitor the serviceability of flight instruments and instrument power sources | 2 |  |
| 1. IFF.2 | Perform manoeuvres using full instrument panel | 2 |  |
| 1. IFF.3 | Recover from upset situations and unusual attitudes | 2 |  |
| 1. IFL.1 | Recognise failure of attitude indicator and stabilised heading indicator | 2 |  |
| 1. IFL.2 | Perform manoeuvres – limited panel | 2 |  |
| 1. IFL.3 | Recover from upset situations and unusual attitudes – limited panel | 2 |  |
| 1. IFL.4 | Re-establish visual flight | 2 |  |
| 1. NAV.6 | Perform lost procedure | 2 |  |
| 1. A3.6 | Perform circuits and approaches | 2 |  |
| 1. A4.3 | Conduct a missed approach | 2 |  |
| 1. A4.4 | Perform recovery from missed landing | 2 |  |
| 1. A6.2 | Manage engine failure in the circuit area (simulated) | 2 |  |
| 1. A4.5 | Short landing | 2 |  |
| 1. C2.3 | Post-flight actions and procedures | **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 |
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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 |
| --- | --- |
|  |  |