|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Flight no: | CPL (A) 8.\_\_\_\_ | Trainee name & ARN: |  | | |
| Date: |  | Instructor: |  | | |
| Aircraft registration: |  | Aircraft type: |  | Flight time: |  |

|  |
| --- |
| Lesson Overview  * CPL Navigation Exercise 5 – Navigation route: [Enter navigation route\*] * Circuits at [enter location] * Simulated commercial exercise, including simulated passenger and cargo management and loading * Critical point and point of no return calculations * Crosswind take-off and landing (OCTA circuits) * Revise best endurance, best range configurations and re-calculation of operational endurance * Revise circuits at OCTA aerodrome, missed approach and missed landing recovery, simulated engine failure in the circuit area * Navigation at low level * Perform diversion procedure * Steep turns * Practice forced landing, simulated complete engine failure * Other abnormal situations –CSU and retractable undercarriage * Use instrument navigation systems * Basic instrument flight full panel, including unusual attitude recoveries   *\*lesson plan scenario – OCTA– CTA – OCTA (circuits) - OCTA* |

| 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**   * Basic GNSS principles, enroute GNSS navigation principles [NAV 4 (a),(b)] * Tracking tolerances for radio navigation and GNSS aids, non-directional beacon (NDB), VOR, GNSS [RNE 4(a)-(d)] | |
| **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: 3.0 hours dual (0.3 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. A2.3 | Take off aeroplane in a crosswind | | 2 |  |
| 1. C4.2 | Manage fuel system *Configure for best range performance and best endurance performance, calculate revised endurance for each* | | 2 |  |
| 1. NAV.5 | Navigate at low level and in reduced visibility | | 2 |  |
| 1. NAV.7 | Perform diversion procedure | | 2 |  |
| 1. NAV.8 | Use instrument navigation systems | | 2 |  |
| 1. RNE.1 | Operate and monitor radio navigation aids and systems | | 2 |  |
| 1. RNE.2 | Navigate the aircraft using navigation aids and systems | | 2 |  |
| 1. A5.3 | Turn aeroplane steeply *Steep level turns, steep descending turns* | | 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. A6.5 | | Manage other abnormal situations (simulated) *(revise CSU & retractable undercarriage abnormal situations)* | 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. A4.2 | Land aeroplane in a crosswind | | 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 |
| --- | --- |
|  |  |