|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Flight no: | PPL(A)3.\_\_\_\_ | Trainee name & ARN: |  | | |
| Date: |  | Instructor: |  | | |
| Aircraft registration: |  | Aircraft type: |  | Flight time: |  |

|  |
| --- |
| Lesson Overview  * Navigation route: [Enter navigation route] * Circuits at [enter location] * **Verify** current competencies (competencies attained during RPL flight training - flight manoeuvres to be performed within the flight tolerances mentioned in Table 1, Schedule 8 of the Part 61 MOS) * **Assess** competency to conduct first solo navigation exercise |

| PRE-FLIGHT KNOWLEDGE  Long Briefing: 1.0 hour Pre-flight Briefing: 0.5 hour  Underpinning knowledge: as required | |
| --- | --- |
| Content | |
| **Long briefing** – Preparation for and overview of navigation exercise #3   * Other revision as required | |
| **Underpinning knowledge**   * Review/expand previously introduced knowledge as required * Tracking tolerances for radio navigation and GNSS aids * NDB – limitations, methods of selecting and using most appropriate NDB for tracking, tracking techniques, procedures and limitations * VOR – settings for command indications, VOR tracking techniques, procedures and limitations * GNSS principles, operation, performance limitations & errors, methods of position fixing, operating procedures, waypoint passage indications, operational and serviceability checks, human factors limitations, requirements applicable to pilots and equipment * Assess underpinning knowledge as required for the conduct of first solo navigation exercise | |
| **HF & NTS**   * Review 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** |

|  |  |  |
| --- | --- | --- |
| 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 (0.3 IF) | | | |
| --- | --- | --- | --- |
| MOS Reference | Lesson Content (Elements & Performance Criteria) | Performance  Standard | |
| Required | Achieved\* |
| 1. NAV.1 | Prepare documents and flight plan | **2** |  |
| 1. C4.1 | Plan fuel requirements | **1** |  |
| 1. ONTA.1 | Non-towered aerodrome – pre-flight preparation | **2** |  |
| 1. C2.1 | Pre-flight actions and procedures | **1** |  |
| 1. C2.2 | Perform pre-flight inspection | **1** |  |
| 1. C4.3 | Refuel aircraft | **1** |  |
| 1. C5.1 | Manage passengers | **1** |  |
| 1. C5.2 | Aid and assist passengers | **1** |  |
| 1. C5.3 | Manage cargo | **1** |  |
| 1. A1.1 | Start and stop engine | **1** |  |
| 1. A1.2 | Taxi aeroplane | **1** |  |
| 1. ONTA.2 | Taxi aircraft at a non-towered aerodrome or landing area | **2** |  |
| 1. A2.1 | Carry out pre take-off procedures | **1** |  |
| 1. A2.2 | Take off aeroplane | **1** |  |
| 1. A2.3 | Take off aeroplane in a crosswind | **1** |  |
| 1. A2.4 | Carry out after take-off procedures | **1** |  |
| 1. A3.1 | Climb aeroplane | **1** |  |
| 1. ONTA.3 | Perform departure at a non-towered aerodrome or landing area | **2** |  |
| 1. NAV.3 | Conduct departure procedures | **2** |  |
| 1. NAV.4 | Navigate aircraft enroute | **2** |  |
| 1. NAV.2 | Comply with airspace procedures while navigating | **2** |  |
| 1. OGA | Operate aircraft in Class G airspace | **2** |  |
| 1. C3.2 | Manage R/T equipment malfunctions | **1** |  |
| 1. NAV.8 | Use instrument navigation systems | **2** |  |
| 1. A3.2 | Maintain straight and level flight (slow speed, normal cruise, high speed cruise, cruise with flaps selected) | **1** |  |
| 1. A3.3 | Descend aeroplane | **1** |  |
| 1. A3.4 | Turn aeroplane | **1** |  |
| 1. A3.5 | Control aeroplane at slow speeds | **1** |  |
|  |  |  |  |
| 1. NAV.5 | Navigate at low level and in reduced visibility | **2** |  |
| 1. NAV.6 | Perform lost procedure | **2** |  |
| 1. NAV.7 | Perform diversion procedure | **2** |  |
| 1. CTA.1 | Operate aircraft in controlled airspace | 2 |  |
| 1. CTR.4 | Perform arrival and landing at controlled aerodrome |  |  |
|  | advise ATC as soon as possible if unable to comply with clearance | 2 |  |
|  | maintain tracking tolerances | 2 |  |
| 1. CTR.2 | Taxi aircraft at a controlled aerodrome |  |  |
|  | obtain and comply with ATC clearances | 2 |  |
| 1. CTR.3 | Perform departure from controlled aerodrome | 2 |  |
|  | check and ensure runway approach is clear prior to entering a runway | **1** |  |
|  | comply with ATC departure instructions | 2 |  |
|  | advise ATC as soon as possible if unable to comply with clearance | 2 |  |
|  | contact approach with airborne report or give departure call to tower | 2 |  |
|  | avoid wake turbulence | 2 |  |
|  | comply with airways clearances within tracking and altitude tolerances and maintain traffic lookout until clear of the aerodrome control zone | 2 |  |
| 1. IFF.1 | Determine and monitor the serviceability of flight instruments and instrument power sources | **1** |  |
| 1. IFF.2 | Perform manoeuvres **using** full instrument panel (simulated inadvertent entry into IMC – rate one turn onto nominated heading) | **1** |  |
|  | set and maintain power and attitude by reference to the full instrument panel to achieve the following: |  |  |
|  | * + 1. straight and level performance during normal cruise within the flight tolerances | **1** |  |
|  | * + 1. nominated climb performance within the flight tolerances | **1** |  |
|  | * + 1. descent performance within the flight tolerances | **1** |  |
| 1. IFF.3 | Recover from upset situations and unusual attitudes | **1** |  |
| 1. NAV.9 | Execute arrival procedures | **2** |  |
| 1. ONTA.4 | Perform arrival and landing at a non-towered aerodrome or landing area | **2** |  |
| 1. A3.6 | Perform circuits and approaches | **1** |  |
| 1. A2.5 | Take off aeroplane from ‘short field’ | **1** |  |
| 1. A3.7 | Local area airspace | **1** |  |
| 1. A4.1 | Land aeroplane | **1** |  |
| 1. A4.2 | Land aeroplane in a crosswind | **1** |  |
| 1. A4.3 | Conduct a missed approach | **1** |  |
| 1. A4.4 | Perform recovery from missed landing | **1** |  |
| 1. A4.5 | Short landing | **1** |  |
|  |  |  |  |
|  |  |  |  |
| 1. NTS1.1 | Maintain effective lookout | **2** |  |
| 1. NTS1.2 | Maintain situational awareness | **2** |  |
| 1. NTS1.3 | Assess situations and make decisions | **2** |  |
| 1. NTS1.4 | Set priorities and manage tasks | **2** |  |
| 1. NTS1.5 | Maintain effective communications and interpersonal relationships | **2** |  |
| 1. NTS2.1 | Recognise and manage threats | **2** |  |
| 1. NTS2.2 | Recognise and manage errors | **2** |  |
| 1. NTS2.3 | Recognise and manage undesired aircraft state | **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 |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

| DEBRIEFING |
| --- |
| Content |
| * Training review and outcomes achieved against lesson objectives and the Part 61 MOS competency standards * Recommendations for next lesson (first solo navigation exercise, or any carryover/remedial training) * Trainee preparation for next lesson * Training record completion and sign off |

| COMMENTS AND OUTCOME | | |
| --- | --- | --- |
|  | | |
| **Proceed to first solo navigation exercise?** | **Yes** | **No** |

# The trainee must be assessed as capable of conducting the first solo navigation flight safely. The requirements of CASR Parts 61 and 141 must also be met.

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