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| --- | --- | --- | --- | --- | --- |
| Flight no: | RPL(A)24.\_\_\_\_ | Trainee name & ARN: |  | | |
| Date: |  | Instructor: |  | | |
| Aircraft registration: |  | Aircraft type: |  | Flight time: |  |

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| Lesson Overview  * Precautionary search & landing * Fuel log, best endurance configuration, calculating endurance * Abnormal situations (e.g. low fuel situation, deteriorating weather) * **Assess:**   + Pre-flight actions and procedures – MEL, NOTAMs, GNSS (if applicable), ERSA, AIP   + ‘Short field’ take-off and landing |

| PRE-FLIGHT KNOWLEDGE  Long Briefing: 0.5 hour Pre-flight Briefing: 0.3 hour  Underpinning knowledge: as required | |
| --- | --- |
| Content | |
| **Long briefing** – Precautionary search & landing   * Circumstances which may require a precautionary landing * Importance of proper planning and early decision making * Aeroplane configuration – precautionary/poor visibility cruise * Landing area/field selection * Obstacle, terrain and turbulence awareness * Wind awareness – judging direction and strength * Low flying considerations and hazards * Turning illusions * Planning the search, approach and landing * Vital actions * Radio procedures (PAN call) * Passenger management * Actions after landing | |
| **Underpinning knowledge**   * Review/expand previously introduced knowledge as required * Variations to planned fuel consumption [C4 4(h)] * Contents of the aircraft flight manual and pilot’s operating handbook [A3 4(m), A4 4(g), A6 4(l)] * Causes leading to precautionary landings [A6 4(c)] * Suitable fields for forced landings and precautionary landings [A6 4(g)] * Considerations when practising emergencies/ non-normal operations [A6 4(h)], Low flying hazards [A6 4(o)] * VMC [A4 4(h), A6 4(n)], Day VFR flight rules [A4 4(i)] | |
| **HF & NTS**   * Effective communication under normal and non-normal circumstances [NTS1 4(a), NTS2 4(a)] * Threat and error management detailing processes that can be used to identify and mitigate or control threats and errors [NTS2 4(b)] * Undesired aeroplane state – prevention, identifying, controlling [NTS2 4(e)] * How an undesired aeroplane state can develop from unmanaged threat or error [NTS2 4(f)] * Task management [NTS2 4(i)] | |
| **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. C2.1 | Pre-flight actions and procedures |  |  |
|  | obtain, interpret and apply information contained in the required pre-flight operational documentation, including the following: |  |  |
|  | * + 1. minimum equipment list (MEL) | 2 |  |
|  | * + 1. Notice to Airmen (NOTAM) | 2 |  |
|  | * + 1. global navigation satellite system (GNSS) receiver autonomous integrity monitoring (RAIM) information | 2 |  |
|  | * + 1. En Route Supplement Australia (ERSA) | 2 |  |
|  | * + 1. Aeronautical Information Package (AIP) | 2 |  |
| 1. C2.2 | Perform pre-flight inspection |  |  |
|  | report to, and seek advice from, qualified personnel to determine the action required in relation to any identified defects or damage | 3 |  |
|  | certify the aircraft flight technical log entering any defects or endorsements to permissible unserviceabilities as appropriate | 3 |  |
|  | complete and certify the daily inspection (if authorised to do so) | 3 |  |
| 1. C5.3 | Manage cargo | 3 |  |
| 1. A2.5 | Take off aeroplane from ‘short field’ | **2** |  |
| 1. A6.4 | Conduct precautionary search and landing (simulated condition) |  |  |
|  | assess flight circumstances and make an appropriate decision when to perform precautionary landing | 3 |  |
|  | configure aeroplane for conditions | 3 |  |
|  | perform precautionary search procedure | 3 |  |
|  | select landing area, carry out an inspection and assess its suitability for landing, taking into account: |  |  |
|  | * + 1. unobstructed approach and overshoot paths | 3 |  |
|  | * + 1. landing area length adequate for landing | 3 |  |
|  | * + 1. landing area surface is suitable for aeroplane type and clear of hazards | 3 |  |
|  | maintain orientation and visual contact with the landing area | 3 |  |
|  | advise ATS or other agencies capable of providing assistance of situation and intentions | 3 |  |
|  | re-brief passengers about flight situation, brace position and harness security | 3 |  |
|  | land and secure aircraft and manage passengers | 3 |  |
| 1. A6.5 | Manage other abnormal situations (simulated) (e.g. low fuel situation, deteriorating weather) | 3 |  |
| 1. C4.2 | Manage fuel system (maintain fuel log, endurance calculations, configure for best endurance) | 3 |  |
| 1. A4.5 | Short landing | **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 |
| --- | --- |
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