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| --- | --- | --- | --- | --- | --- |
| Flight no: | ME(A)CR6.\_\_\_\_ | Trainee name & ARN: |  | | |
| Date: |  | Instructor: |  | | |
| Aircraft registration: |  | Aircraft type: |  | Flight time: |  |

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| Lesson Overview  * Revise general handling, circuits and asymmetrics * Revise the effects of asymmetric operation on aeroplane systems:   + engine parameters   + electrical system operation   + hydraulic system operation   + fuel system (cross feed, fuel consumption)   + other systems as applicable * Revise the effects of asymmetric flight on the aeroplane’s performance:   + during climb, cruise (range & endurance) and descent * Revise the effect on performance:   + with the propeller of failed engine feathered   + of configuration (flaps, undercarriage, as applicable)   + of departure from best performance speeds and configuration * **Assess:**   + remaining performance criteria in preparation for ME(A)CR flight test * Flight manoeuvres to be performed within the flight tolerances mentioned in Schedule 8 of the Part 61 MOS |

| PRE-FLIGHT KNOWLEDGE  Long Briefing: 0.8 hour Pre-flight Briefing: 0.3 hour  Underpinning knowledge: as required | |
| --- | --- |
| Content | |
| **Long briefing** – Revision as required | |
| **Underpinning knowledge**   * Review and assess previously introduced underpinning knowledge * Contents of the flight manual and pilot operating handbook for the aircraft being flown [A1 4(g)] * Flight test knowledge requirements:   + the privileges and limitations of the class rating   + flight review requirements   + navigation and operating systems   + normal, abnormal and emergency flight procedures   + operating limitations   + weight and balance limitations   + aircraft performance data, including take-off and landing performance data   + flight planning * Assess flight test knowledge requirements | |
| **HF & NTS**   * Assess underpinning knowledge | |
| **Pre-flight briefing**   * Review flight sequences, what to expect, see & do * Check essential knowledge * Reinforce threat & error management * Reinforce significant airmanship points | |
| **Theory examination**   * ME(A)CR aeronautical knowledge examination (in-house) (in accordance with the knowledge standards specified in the Part 61 MOS) * Knowledge deficiency report (required when the knowledge examination pass is less than 100%) | |
| **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 | Achieves competency to the standard required for qualification issue |

| FLIGHT TRAINING  Suggested flight time: 1.3 hours dual (0.1 IF) | | | |
| --- | --- | --- | --- |
| MOS Reference | Lesson Content (Elements & Performance Criteria) | Performance  Standard | |
| Required | Achieved\* |
| 1. C4.1 | Plan fuel requirements | **1** |  |
| 1. C4.2 | Manage fuel system | **1** |  |
| 1. A1.1 | Start and stop engine | **1** |  |
| 1. AME.1 | Operate multi-engine aeroplane | **1** |  |
| 1. A2.1 | Carry out pre take-off procedures | **1** |  |
| 1. AME.5 | Perform rejected take-off - multi-engine aeroplane | **1** |  |
| 1. A2.2 | Take-off aeroplane | **1** |  |
| 1. A2.3 | Take-off aeroplane in a crosswind | **1** |  |
|  |  |  |  |
| 1. A2.5 | Take-off aeroplane from ‘short field’ | **1** |  |
| 1. A2.4 | Carry out after take-off procedures | **1** |  |
| 1. AME.3 | Manage engine failure and malfunction after take-off (simulated) | **1** |  |
| 1. A3.1 | Climb aeroplane | **1** |  |
| 1. A3.2 | Maintain straight and level flight | **1** |  |
| 1. A3.3 | Descend aeroplane | **1** |  |
| 1. A3.4 | Turn aeroplane | **1** |  |
| 1. A3.5 | Control aeroplane at slow speeds | **1** |  |
| 1. A5.1 | Enter and recover from stall | **1** |  |
| 1. A5.3 | Turn aeroplane steeply | **1** |  |
| 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 | **1** |  |
| 1. AME.4 | Manage engine failure and malfunction enroute (simulated) | **1** |  |
| 1. AME.2 | Manage failures and malfunctions - general | **1** |  |
| 1. A3.6 | Perform circuits and approaches | **1** |  |
| 1. A4.3 | Conduct a missed approach | **1** |  |
| 1. A4.4 | Perform recovery from missed landing | **1** |  |
| 1. AME.6 | Manage engine failure and malfunction during approach and landing (simulated) | **1** |  |
| 1. AME.7 | Conduct go-around or missed approach with engine failure (simulated) | **1** |  |
| 1. A4.1 | Land aeroplane | **1** |  |
| 1. A4.2 | Land aeroplane in a crosswind | **1** |  |
| 1. A4.5 | Short landing | **1** |  |
| 1. NTS1.2 | Maintain situational awareness | **1** |  |
| 1. NTS1.3 | Assess situations and make decisions | **1** |  |
| 1. NTS1.4 | Set priorities and manage tasks | **1** |  |
| 1. NTS1.5 | Maintain effective communications and interpersonal relationships | **1** |  |
| 1. NTS2.1 | Recognise and manage threats | **1** |  |
| 1. NTS2.2 | Recognise and manage errors | **1** |  |
| 1. NTS2.3 | Recognise and manage undesired aircraft state | **1** |  |

\*Enter the performance standard achieved if it is different to that required

Note: The trainee must demonstrate competency in all performance criteria on two separate flights prior to a flight test recommendation being made.

| 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 | | |
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| **Proceed to ME(A)CR flight test?#** | **Yes** | **No** |

#Each of the performance criteria contained within the units of competency for the Multi-engine aeroplane class rating must have been assessed to performance standard 1, on a minimum of two separate flights.

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