**TUTORIAL: STUDENT SOLO CONSIDERATIONS**

**FLIGHT INSTRUCTOR RATING – TUTORIAL LESSON PLAN & TRAINING RECORD**

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| **TRAINEE NAME:** |  | **TRAINEE ARN:** |  |
| **INSTRUCTOR NAME:** |  | **TRAINING SESSION DATE:** |  |
| **Lesson Overview**   * The objectives of the training session are to:   + Provide the trainee instructor with guidance on preparing for a dual flight check prior to student solo operations and the application of the standards to be applied   + Provide the trainee with guidance on assessing student solo readiness with emphasis on human factors   + Review the principles of learning with focus on assessing performance against the required standards   + Review the environmental circumstances that must be considered for student solo operations | | | |

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| **MOS**  **Reference** | **Lesson Content** *(Elements & Performance Criteria)* |
| **FIR4.4** | **Conduct airborne training** |
| (e) | Monitors the task (unassisted practice) |
|  | (i) identify the trainee’s deficiencies and provide feedback to assist the trainee in achieving the standard |
|  | (ii) provides and varies additional instruction and demonstration as necessary to assist trainee; |
|  | (iii) remedial training is effective such that errors are corrected; |
|  | (iv) encourage the trainee to develop self-assessment skills; |
|  | (v) note training events for debriefing and assessment; |
| (f) | develop the trainee’s responsibility through the application of human factors principles for threat and error management |
| **FIR4.5** | **Conduct post-flight briefing** |
| (a) | encourage the trainee to self-assess performance against the performance criteria; |
| (b) | describe clearly and accurately, significant details of the trainee’s performance and assesses the trainee’s achievement against the training outcomes for the lesson and associated performance criteria; |
| (c) | identify any deficiencies in performance and suggest remedial actions and training; |
| (d) | Discuss threat and error management issues encountered during the flight |

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| **MOS Ref** | **Underpinning knowledge** |
| (b) | Principles and methods of instruction as prescribed in unit FIRC of schedule 3 of the part 61 MOS: |

# Training Notes

* The tutorial session should be planned in a logical manner to ensure that the trainee instructor receives the appropriate level of guidance and training to make solo flight assessments
* The instructor should discuss the concept of consistency of performance by the student and how to discern the difference between random mistakes that would not prohibit solo operations and technique faults that would prohibit solo operations
* Multiple airborne lesson examples that cover a breadth of common mistakes that most students make but may not ordinarily prohibit solo operation should be included in the tutorial
* The instructor should guide the trainee instructor on the practical management of solo circuit operations including where and when to exit the aircraft, where to situate to observe the operations and what to brief the student on exiting the aircraft including the importance of clear and concise instruction
* Advising the student on any aircraft performance considerations they may encounter whilst solo
* Advising the student on priorities when dealing with an emergency or abnormal situation whilst solo
* If applicable advise ATC of impending solo operations
* Guidance on the assessment of student preparation for solo operations outside the circuit including the vital pre-flight brief elements for training area operations and cross-country operations
* The Aviation Instructors handbook (FAA-H-8083-9A) and the Flight Instructor manual – Helicopter are useful references for some of the subject matter that should be included in this briefing

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* The tutorial session should require the trainee instructor to demonstrate their understanding of the objectives of lesson through simulated practical demonstrations and simulated practise.
* Post flight de-brief is included so that the trainee instructor can establish the logical links between the airborne lesson observations (where applicable) and the content of the post flight de-brief. This aspect of the training will include guidance on how to obtain valid information from the student on the in-flight conditions and issues the student may have been confronted with
* There are no performance standards provide against the criteria in FIR4.4 and FIR4.5. The inclusion of these elements is to provide some focus for the instructor and though not all can be directly demonstrated or practised on the ground the tutorial provides an opportunity to discuss them with the trainee instructor as part of the scenarios by drawing attention to some of the issues and considerations that can occur in airborne instruction.

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| **COMMENTS AND OUTCOME (INCLUDING ELEMENTS & PERFORMANCE CRITERIA THAT REQUIRE CONSOLIDATION AND/OR REMEDIAL TRAINING)** | |
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| **Instructor’s Signature & Date** | **Trainee’s Signature & Date** |
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