**Planning matrix – Night VFR**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Lesson format**  D = Demonstration R = Read back  PFB = Pre-flight Brief LB = Long Brief  A = Assess  CR = Classroom  **Performance standards**  **3 =** has received training in the element, however is not able to consistently demonstrate competency to the standard required for the grant of the authorisation. **2 =** is able to achieve competency to the standard required for the grant of the authorisation on the majority of occasions.  **1 =** achieved competency to the standard required for the grant of the authorisation. | | **Lesson number** | | | | | | | | | | | | | | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** | **21** | **22** |
| Review – night VFR operations | Review - CBT | Review – underpinning knowledge | Briefing – Privileges and limitations | Tutorials 2 & 3 lesson plans and pre-fight briefings | Instructor control seat familiarisation | BIF – long brief | BIF – long brief | BIF –- PFB & Flight (IFF) | BIF – PFB & Flight (IFL) | Night Circuits – long brief | Night Circuits – long brief | Night Circuits – PFB & Flight | Night Circuits - PFB & Flight | Night Circuits – EMG PFB & Flight | Night Navigation – long brief | Night Navigation – long brief | Navaid Trn’g – PFB & Flight | Night Navigation - PFB & Flt | Night VFR Flight Review \*\* | Night Navigation - PFB & Flt | Flight Test |
|  | Lesson format | CR | CR | CR | CR | CR |  | D | R | DR | R | D | R | DR | R | DR | D | R | DR | DR | CR | R |  |
|  | Dual day | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.5 | 1.5 | 1.0 | 1.0 | 1.5 | 1.5 | 1.0 | 1.0 | 1.0 | 1.5 | 1.5 | 1.0 | 1.0 | 4.0 | 1.0 | 3.0 |
|  | Dual night |  |  |  |  |  | 1.5 |  |  |  |  |  |  | 1.0 | 1.0 | 1.0 |  |  | 1.0 | 2.0 |  | 2.0 | 2.0 |
|  | Exams | Flight Instructor rating – Common (when with initial rating issue) | | | | | | | | | | | | | | | | | | | | | |
| **Units, Elements and Performance Criteria** | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **FIR-TE9 – Night VFR Training Endorsement** | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **FIR-TE9.1: Demonstrate knowledge of competency based training as applied to Night VFR rating training** | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| (a) | describe the structure, content and context of the Part 61 MOS operational rating and endorsement standards for the night VFR rating | 1 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 1 |
| (b) | describe the content of the flight test standards for a night VFR rating | 1 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 1 |
| (c) | describe the requirements for a night VFR rating flight review | 1 |  |  | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 1 | 1 |
| (d) | state key competencies required by a pilot to operate under the night VFR safely | 1 | 1 |  |  |  |  |  |  | 2 | 1 |  |  | 1 | 1 | 1 |  |  | 1 | 1 | 1 | 1 | 1 |
| **FIR-TE9.2: Demonstrate understanding of principles and methods of instruction** | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| (a) | apply knowledge and application of element 3, principles and methods of instruction, described in unit FIRC (instructor rating common) in schedule 3 of Part 61 MOS |  |  |  |  |  |  | D | 2 | 2 | 1 | D | 1 | 1 | 1 | 1 | D | 1 | 1 | 1 | 1 | 1 | 1 |
| **FIR-TE9.3: Conduct aeronautical knowledge training** | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| (a) | conduct aeronautical knowledge training demonstrating applicable performance criteria described in elements FIR4.1 and FIR4.2 of unit FIR4 (conduct aeronautical knowledge training and flight training); |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **FIR 4.1 Plan training** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | (a) confirm trainee readiness for proposed training through review of training records to confirm their competency status; |  |  |  |  |  |  | D | 2 |  |  | D | 1 |  |  |  | D | 1 |  |  |  |  | 1 |
|  | (b) identify training objectives based on performance criteria in the manual of standards and operator’s training plans; |  |  |  |  |  |  | D | 2 |  |  | D | 1 |  |  |  | D | 1 |  |  |  |  | 1 |
|  | (c) identify underpinning knowledge for the units and elements relevant to the lesson and confirm trainee understanding; |  |  |  |  |  |  | D | 2 |  |  | D | 1 |  |  |  | D | 1 |  |  |  |  | 1 |
|  | (d) select appropriate training methods to facilitate training objectives and knowledge transfer; |  |  |  |  |  |  | D | 2 |  |  | D | 1 |  |  |  | D | 1 |  |  |  |  | 1 |
|  | (e) apply threat and error management into each ground lesson; |  |  |  |  |  |  | D | 2 |  |  | D | 1 |  |  |  | D | 1 |  |  |  |  | 1 |
|  | (g) select appropriate training resources and confirm availability and serviceability of required facilities, equipment, training aids, reference material and the airworthiness of the training aircraft or device. |  |  |  |  |  |  | D | 2 |  |  | D | 1 |  |  |  | D | 1 |  |  |  |  | 1 |
|  | **FIR4.2 Conduct aeronautical knowledge training** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | (a) establish a learning environment and motivation that suits the trainee’s needs; |  |  |  |  |  |  | D | 2 |  |  | D | 1 |  |  |  | D | 1 |  |  |  |  | 1 |
|  | (b) clearly state the training objectives; |  |  |  |  |  |  | D | 2 |  |  | D | 1 |  |  |  | D | 1 |  |  |  |  | 1 |
|  | (c) conduct the lesson following or modifying the lesson plan to achieve training objectives and transfer of knowledge; |  |  |  |  |  |  | D | 2 |  |  | D | 1 |  |  |  | D | 1 |  |  |  |  | 1 |
|  | (d) present and link new knowledge to previous knowledge; |  |  |  |  |  |  | D | 2 |  |  | D | 1 |  |  |  | D | 1 |  |  |  |  | 1 |
|  | (e) use selected training aids to illustrate and enhance explanations; |  |  |  |  |  |  | D | 2 |  |  | D | 1 |  |  |  | D | 1 |  |  |  |  | 1 |
|  | (f) apply appropriate instructional techniques; with instruction to the point using clear and deliberate speech; |  |  |  |  |  |  | D | 2 |  |  | D | 1 |  |  |  | D | 1 |  |  |  |  | 1 |
|  | (g) deliver technical knowledge accurately and clearly to the required standard; |  |  |  |  |  |  | D | 2 |  |  | D | 1 |  |  |  | D | 1 |  |  |  |  | 1 |
|  | (h) provide opportunities for trainee participation and practice; |  |  |  |  |  |  | D | 2 |  |  | D | 1 |  |  |  | D | 1 |  |  |  |  | 1 |
|  | (i) discuss threat and error management issues and ensure application understood by the trainee; |  |  |  |  |  |  | D | 2 |  |  | D | 1 |  |  |  | D | 1 |  |  |  |  | 1 |
|  | (j) confirm training objectives have been achieved by questioning, review and other suitable methods; |  |  |  |  |  |  | D | 2 |  |  | D | 1 |  |  |  | D | 1 |  |  |  |  | 1 |
|  | (k) provide feedback on trainee performance; |  |  |  |  |  |  | D | 2 |  |  | D | 1 |  |  |  | D | 1 |  |  |  |  | 1 |
|  | (l) develop trainee self-assessment skills; |  |  |  |  |  |  | D | 2 |  |  | D | 1 |  |  |  | D | 1 |  |  |  |  | 1 |
|  | (m) complete training objectives in the time available; |  |  |  |  |  |  | D | 2 |  |  | D | 1 |  |  |  | D | 1 |  |  |  |  | 1 |
|  | (n) Ensure all training is conducted effectively |  |  |  |  |  |  | D | 2 |  |  | D | 1 |  |  |  | D | 1 |  |  |  |  | 1 |
| (b) | demonstrate extensive understanding of the underpinning knowledge included in the units IFF, IFL, NVR1, NVR2 and NVR3 (as applicable) |  |  | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| (c) | establish trainee understanding of underpinning knowledge included in units IFF and IFL relating to the conduct instrument flight |  |  |  |  |  |  | D | 2 |  |  | D | 1 |  |  |  |  |  |  |  |  |  | 1 |
| (d) | establish trainee understanding of underpinning knowledge included in unit NVR1 relating to conduct of circuit operations at night |  |  |  |  |  |  |  |  |  |  | D | 2 |  |  |  |  |  |  |  |  |  | 1 |
| (e) | establish trainee understanding of underpinning knowledge |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | D | 2 |  |  |  |  | 1 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Lesson format**  D = Demonstration R = Read back  PFB = Pre-flight Brief LB = Long Brief  A = Assess  CR = Classroom  **Performance standards**  **3 =** has received training in the element, however is not able to consistently demonstrate competency to the standard required for the grant of the authorisation. **2 =** is able to achieve competency to the standard required for the grant of the authorisation on the majority of occasions.  **1 =** achieved competency to the standard required for the grant of the authorisation. | | **Lesson number** | | | | | | | | | | | | | | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** | **21** | **22** |
| Review – night VFR operations | Review - CBT | Review – underpinning knowledge | Briefing – Privileges and limitations | Tutorials 2 & 3 lesson plans and pre-fight briefings | Instructor control seat familiarisation | BIF – long brief | BIF – long brief | BIF –- PFB & Flight (IFF) | BIF – PFB & Flight (IFL) | Night Circuits – long brief | Night Circuits – long brief | Night Circuits – PFB & Flight | Night Circuits - PFB & Flight | Night Circuits – EMG PFB & Flight | Night Navigation – long brief | Night Navigation – long brief | Navaid Trn’g – PFB & Flight | Night Navigation - PFB & Flt | Night VFR Flight Review \*\* | Night Navigation - PFB & Flt | Flight Test |
|  | Lesson format | CR | CR | CR | CR | CR |  | D | R | DR | R | D | R | DR | R | DR | D | R | DR | DR | CR | R |  |
|  | Dual day | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.5 | 1.5 | 1.0 | 1.0 | 1.5 | 1.5 | 1.0 | 1.0 | 1.0 | 1.5 | 1.5 | 1.0 | 1.0 | 4.0 | 1.0 | 3.0 |
|  | Dual night |  |  |  |  |  | 1.5 |  |  |  |  |  |  | 1.0 | 1.0 | 1.0 |  |  | 1.0 | 2.0 |  | 2.0 | 2.0 |
|  | Exams | Flight Instructor rating – Common (when with initial rating issue) | | | | | | | | | | | | | | | | | | | | | |
| **Units, Elements and Performance Criteria** | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **FIR-TE9 – Night VFR Training Endorsement** | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | included in unit NVR2 relating to the conduct of night VFR operations in single-engine aircraft |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| (f) | establish trainee understanding of underpinning knowledge included in unit NVR3 relating to the conduct of night VFR operations in multi-engine aircraft |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | D | 2 |  |  |  |  | 1 |
| (g) | establish applicants understanding of the underpinning knowledge specified in section 4 of the applicable units for the night VFR rating under review, in accordance with the flight review requirements described in schedule 7 of the Part 61 MOS |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |  |  | 1 |  | 1 |
| **FIR-TE9.4: Develop briefings and plan flight training** | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| (a) | Develop briefings and plan flight training |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | elements in units NTS1 and NTS2 to be addressed in relevant briefings and flight exercises as applicable; and |  |  |  |  |  |  |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
|  | (i) basic instrument flight |  |  |  |  |  |  | D | 2 | 2 | 2 |  |  | 1 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
|  | (ii) conduct of traffic pattern at night |  |  |  |  |  |  |  |  |  |  | D | 2 | 2 | 1 | 2 |  |  |  | 1 |  | 1 | 1 |
|  | (iii) navigation aid orientation, intercepting and tracking |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 | 1 |  | 1 | 1 |
|  | (iv) flight planning under the night VFR |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | D | 2 |  | 1 |  | 1 | 1 |
|  | (v) arrival and departure at night (including 1 engine inoperative considerations where applicable) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | D | 2 |  | 1 |  | 1 | 1 |
|  | (vi) navigation under the VFR at night (including use of ground based and satellite based navigational systems as applicable) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | D | 2 |  | 1 |  | 1 | 1 |
|  | (vii) visual approach procedures at night |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | D | 2 |  | 1 |  | 1 | 1 |
| (b) | identify potential threats and errors normally associated with flight training at night and develop suitable mitigating action for each flight exercise. |  |  |  |  |  |  | D | 2 | 2 | 1 | D | 1 | 2 | 1 | 1 | D | 1 | 1 | 1 |  | 1 | 1 |
| **FIR-TE9.5: Conduct pre-flight briefing** | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| (c) | perform effective pre-flight briefings for each training session in the training plan, including the application of standard operating procedures, demonstrating relevant performance criteria described in element FIR4.1 and FIR4.3 of unit FIR4 (conduct aeronautical knowledge training and flight training); |  |  |  |  |  |  |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
|  | **FIR4.1 Plan training** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | (a) confirm trainee readiness for proposed training through review of training records to confirm their competency status |  |  |  |  |  |  |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
|  | (b) identify training objectives based on performance criteria in the manual of standards and operator’s training plans; |  |  |  |  |  |  |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
|  | (c) identify underpinning knowledge for the units and elements relevant to the lesson and confirm trainee understanding |  |  |  |  |  |  |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
|  | (d) select appropriate training methods to facilitate training objectives and knowledge transfer |  |  |  |  |  |  |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
|  | (e) apply threat and error management into each ground lesson; |  |  |  |  |  |  |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
|  | (f) identify potential threats and errors in a flight lesson, including those associated with simulation of abnormal or emergency procedures or aircraft mishandling by trainee, and consider suitable mitigators; |  |  |  |  |  |  |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
|  | (g) select appropriate training resources and confirm availability and serviceability of required facilities, equipment, training aids, reference material and the airworthiness of the training aircraft or device. |  |  |  |  |  |  |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
|  | **FIR4.3 Conduct pre-flight briefing** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | (a) confirm the trainee is mentally and physically prepared for flight training; |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | (b) brief the trainee on the training outcomes, the associated performance criteria and the actions required of the trainee during the flight; |  |  |  |  |  |  |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
|  | (c) link previous training to the current exercise; |  |  |  |  |  |  |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
|  | (d) brief the trainee on how the flight will be conducted to meet the training outcomes; |  |  |  |  |  |  |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
|  | (e) confirm the trainee’s ability to recall the training outcomes, underpinning knowledge, handling technique and planned flight scenario; |  |  |  |  |  |  |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
|  | (f) discuss the environmental conditions and their suitability for the training exercise; |  |  |  |  |  |  |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
|  | (g) discuss threat and error management issues applicable to the proposed flight and confirm the trainee understands her or his responsibility for managing those issues (airmanship). |  |  |  |  |  |  |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
| (e) | demonstrate applicable performance criteria described in element FIR7.1 (conduct flight review) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **FIR7.1 Conduct pre-flight discussion** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | (a) prepare a pre-flight discussion plan that covers the topics, |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |  | 1 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Lesson format**  D = Demonstration R = Read back  PFB = Pre-flight Brief LB = Long Brief  A = Assess  CR = Classroom  **Performance standards**  **3 =** has received training in the element, however is not able to consistently demonstrate competency to the standard required for the grant of the authorisation. **2 =** is able to achieve competency to the standard required for the grant of the authorisation on the majority of occasions.  **1 =** achieved competency to the standard required for the grant of the authorisation. | | **Lesson number** | | | | | | | | | | | | | | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** | **21** | **22** |
| Review – night VFR operations | Review - CBT | Review – underpinning knowledge | Briefing – Privileges and limitations | Tutorials 2 & 3 lesson plans and pre-fight briefings | Instructor control seat familiarisation | BIF – long brief | BIF – long brief | BIF –- PFB & Flight (IFF) | BIF – PFB & Flight (IFL) | Night Circuits – long brief | Night Circuits – long brief | Night Circuits – PFB & Flight | Night Circuits - PFB & Flight | Night Circuits – EMG PFB & Flight | Night Navigation – long brief | Night Navigation – long brief | Navaid Trn’g – PFB & Flight | Night Navigation - PFB & Flt | Night VFR Flight Review \*\* | Night Navigation - PFB & Flt | Flight Test |
|  | Lesson format | CR | CR | CR | CR | CR |  | D | R | DR | R | D | R | DR | R | DR | D | R | DR | DR | CR | R |  |
|  | Dual day | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.5 | 1.5 | 1.0 | 1.0 | 1.5 | 1.5 | 1.0 | 1.0 | 1.0 | 1.5 | 1.5 | 1.0 | 1.0 | 4.0 | 1.0 | 3.0 |
|  | Dual night |  |  |  |  |  | 1.5 |  |  |  |  |  |  | 1.0 | 1.0 | 1.0 |  |  | 1.0 | 2.0 |  | 2.0 | 2.0 |
|  | Exams | Flight Instructor rating – Common (when with initial rating issue) | | | | | | | | | | | | | | | | | | | | | |
| **Units, Elements and Performance Criteria** | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **FIR-TE9 – Night VFR Training Endorsement** | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | outcomes and associated performance criteria required for the rating being reviewed; |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | (b) deliver pre-flight discussion plan ; |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |  | 1 |
|  | (c) provide the applicant with opportunity to actively participate in the discussion ; |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |  | 1 |
|  | (d) confirm the aims of the discussion have been achieved by questioning, review and other suitable means. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |  | 1 |
| **FIR-TE9.6: Conduct flight training** | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| (a) | conduct flight training in accordance with the training plan demonstrating all skills and behaviours described in element FIR4.4 of unit FIR4 (conduct aeronautical knowledge training and flight training) |  |  |  |  |  |  |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
|  | **FIR4.4 Conduct airborne training** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | (a) manage responsibilities as pilot in command for the safe operation of the aircraft; |  |  |  |  |  |  |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
|  | (b) apply flying techniques and procedures to the competency standards specified for the qualification being trained for whilst occupying the instructor seat; |  |  |  |  |  |  |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
|  | (c) demonstrate the task: |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | (i) introduce tasks in manageable portions without trainee overload; |  |  |  |  |  |  |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
|  | (ii) make clear, concise and systematic explanations; |  |  |  |  |  |  |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
|  | (iii) coordinate demonstration with explanation of manoeuvre; |  |  |  |  |  |  |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
|  | (iv) make coordinated control inputs without abrupt manoeuvring, using accepted techniques; |  |  |  |  |  |  |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
|  | (v) demonstrate the manoeuvre to the competency standards specified in this manual for a commercial pilot. |  |  |  |  |  |  |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
|  | (d) direct the task : |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | (i) implement handover and takeover procedures for control of aircraft; |  |  |  |  |  |  |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
|  | (ii) provide direction appropriate to trainee’s progress; |  |  |  |  |  |  |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
|  | (iii) provide instructions in a clear, concise and timely manner; |  |  |  |  |  |  |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
|  | (iv) provide sufficient practice for the trainee to achieve the task; |  |  |  |  |  |  |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
|  | (v) intervene only to the extent necessary to assist the trainee’s progress or to maintain safety. |  |  |  |  |  |  |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
|  | (e) monitor the task (unassisted practice): |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | (i) identify the trainee’s deficiencies and provide feedback to assist the trainee in achieving the standard; |  |  |  |  |  |  |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
|  | (ii) provide and varies additional instruction and demonstration as necessary to assist trainee; |  |  |  |  |  |  |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
|  | (iii) ensure remedial training is effective such that errors are corrected; |  |  |  |  |  |  |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
|  | (iv) encourage the trainee to develop self-assessment skills; |  |  |  |  |  |  |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
|  | (v) note training events for debriefing and assessment. |  |  |  |  |  |  |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
|  | (f) intervene to recover the aircraft if trainee does not manage an undesired aircraft state; |  |  |  |  |  |  |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
|  | (g) develop the trainee‘s responsibility through the application of human factors principles for threat and error management |  |  |  |  |  |  |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
| (b) | perform flying techniques and procedures to the competency standards specified for the issue of a night VFR rating whilst occupying the instructor seat |  |  |  |  |  | 2 |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
| (c) | maintain situational awareness during all phases of flight demonstrating the performance criteria specified in unit NTS1; |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **NTS1 Non-technical Skills 1** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | NTS1.1 Maintain effective lookout |  |  |  |  |  | 1 |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
|  | NTS1.2 Maintain situational awareness |  |  |  |  |  | 1 |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
|  | NTS1.3 Assess situations and make decisions |  |  |  |  |  | 1 |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
|  | NTS1.4 Set priorities and manage tasks |  |  |  |  |  | 1 |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
|  | NTS1.5 Maintain effective communications and interpersonal relationships |  |  |  |  |  | 1 |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
| (d) | manage threats and errors during all phases of the flight demonstrating the performance criteria specified in unit NTS2; |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **NTS2 Non-technical Skills 2** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | NTS2.1 Recognise and manage threats |  |  |  |  |  | 1 |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
|  | NTS2.2 Recognise and manage errors |  |  |  |  |  | 1 |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
|  | NTS2.3 Recognise and manage undesired aircraft state |  |  |  |  |  | 1 |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Lesson format**  D = Demonstration R = Read back  PFB = Pre-flight Brief LB = Long Brief  A = Assess  CR = Classroom  **Performance standards**  **3 =** has received training in the element, however is not able to consistently demonstrate competency to the standard required for the grant of the authorisation. **2 =** is able to achieve competency to the standard required for the grant of the authorisation on the majority of occasions.  **1 =** achieved competency to the standard required for the grant of the authorisation. | | **Lesson number** | | | | | | | | | | | | | | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** | **21** | **22** |
| Review – night VFR operations | Review - CBT | Review – underpinning knowledge | Briefing – Privileges and limitations | Tutorials 2 & 3 lesson plans and pre-fight briefings | Instructor control seat familiarisation | BIF – long brief | BIF – long brief | BIF –- PFB & Flight (IFF) | BIF – PFB & Flight (IFL) | Night Circuits – long brief | Night Circuits – long brief | Night Circuits – PFB & Flight | Night Circuits - PFB & Flight | Night Circuits – EMG PFB & Flight | Night Navigation – long brief | Night Navigation – long brief | Navaid Trn’g – PFB & Flight | Night Navigation - PFB & Flt | Night VFR Flight Review \*\* | Night Navigation - PFB & Flt | Flight Test |
|  | Lesson format | CR | CR | CR | CR | CR |  | D | R | DR | R | D | R | DR | R | DR | D | R | DR | DR | CR | R |  |
|  | Dual day | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.5 | 1.5 | 1.0 | 1.0 | 1.5 | 1.5 | 1.0 | 1.0 | 1.0 | 1.5 | 1.5 | 1.0 | 1.0 | 4.0 | 1.0 | 3.0 |
|  | Dual night |  |  |  |  |  | 1.5 |  |  |  |  |  |  | 1.0 | 1.0 | 1.0 |  |  | 1.0 | 2.0 |  | 2.0 | 2.0 |
|  | Exams | Flight Instructor rating – Common (when with initial rating issue) | | | | | | | | | | | | | | | | | | | | | |
| **Units, Elements and Performance Criteria** | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **FIR-TE9 – Night VFR Training Endorsement** | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| (e) | demonstrate applicable performance criteria described in element FIR7.2 (conduct flight review |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **FIR7.2 Conduct review** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | (a) Conduct the flight review in accordance with specified flight review standards ; |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |  | 1 |
|  | (b) assess the pilot's performance against the specified flight review |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |  | 1 |
|  | (c) deliver remedial training for those elements performed below the specified ; |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |  | 1 |
|  | (d) ensure remedial training is effective and errors are corrected |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |  | 1 |
| **FIR-TE9.7: Conduct post-flight briefing** | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| (a) | conduct post-flight briefing demonstrating all performance criteria described in element FIR4.5 of unit FIR4 (conduct aeronautical knowledge training and flight training); |  |  |  |  |  |  |  |  | 2 | 1 |  |  | 1 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
|  | **FIR4.5 Conduct post-flight briefing** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | (a) encourage the trainee to self-assess performance against the performance criteria; |  |  |  |  |  |  |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
|  | (b) describe clearly and accurately, significant details of the trainee’s performance and assess the trainee’s achievement against the training outcomes for the lesson and associated performance criteria; |  |  |  |  |  |  |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
|  | (c) identify any deficiencies in performance and suggest remedial actions and training; |  |  |  |  |  |  |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
|  | (d) discuss threat and error management issues encountered during the flight; |  |  |  |  |  |  |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
|  | (e) brief the trainee on the details of the next training exercise; |  |  |  |  |  |  |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
| (b) | demonstrate applicable performance criteria described in element FIR7.3 (conduct flight review). |  |  |  | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **FIR7.3 Complete post-review briefing and administration** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | (a) conduct a post-review briefing describing clearly and accurately significant details fo the applicant performance against the specified flight review standards; |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |  | 1 |
|  | (b) complete post-review administration . |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |  | 1 |
| **FIR-TE9.8: Conduct post-training administration** | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| (a) | complete post-training administration demonstrating performance criteria in element FIR4.6 of unit FIR 4 (conduct aeronautical knowledge training and flight training). |  |  |  | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **FIR4.6 Complete post-training administration** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | (a) record achievement, or otherwise, of competency, any remedial training required and identify content of the next training exercise; |  |  |  |  |  |  |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
|  | (b) complete administration procedures required for issue of an endorsement or military equivalent where applicable. |  |  |  |  |  |  |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
|  | (c) inform relevant staff of the trainee’s performance and results where required; |  |  |  |  |  |  |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |
|  | (d) review effectiveness of training and identify any adjustments to delivery, presentation and content |  |  |  |  |  |  |  |  | 2 | 1 |  |  | 2 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 |