

Appendix B

Draft unit – Night VFR training endorsement - FIR- TE9

FIR-TE9 Night VFR training endorsement**1 Unit description**

This unit describes the skills and knowledge required to effectively plan, conduct and administer training authorised by the Night VFR rating training endorsement.

2 Elements and performance criteria**2.1 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;
- (b) describe the content of the flight test standards for a night VFR rating;
- (c) describe the requirements for a night VFR rating flight review;
- (d) state key competencies required by a pilot to operate under the night VFR safely.

2.2 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.

2.3 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);
- (b) Demonstrate extensive understanding of the underpinning knowledge included in the units IFF, IFL, NVR1, NVR2 and NVR3 (as applicable);
- (c) establish trainee understanding of underpinning knowledge included in units IFF and IFL relating to the conduct of instrument flight;
- (d) establish trainee understanding of underpinning knowledge included in unit NVR1 relating to conduct of circuit operations at night;
- (e) establish trainee understanding of underpinning knowledge included in unit NVR2 for the conduct of night VFR operations in single engine aircraft;
- (f) establish trainee understanding of underpinning knowledge included in unit NVR3 for the conduct of night VFR operations in a multi-engine aircraft;
- (g) establish applicant 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.

2.4 FIR-TE9.4 – Develop briefings and plan flight training

- (a) prepare a training that identifies each ground briefing and flight/flight simulator exercise, required to achieve the standard for the issue of a NVFR rating. The following units and elements are to be addressed:
 - (i) elements in units NTS1 and NTS2 to be addressed in relevant briefings and flight exercises as applicable; and

- (ii) basic instrument flight;
 - (iii) conduct of a traffic pattern at night;
 - (iv) navigation aid orientation, intercepting and tracking;
 - (v) flight planning under the night VFR;
 - (vi) arrival and departures at night (including 1 engine inoperative considerations where applicable);
 - (vii) navigation under the VFR at night (including use of ground based and satellite based navigational systems as applicable);
 - (viii) visual approach procedures at night.
- (b) identify potential threats and errors normally associated with flight training at night and develop suitable mitigating actions for each flight exercise.

2.5 **FIR-TE9.5 – Conduct pre-flight briefing**

- (a) perform effective pre-flight briefings for each training session in the training plan, including application of standard operating procedures, demonstrating relevant performance criteria described in elements FIR4.1 and FIR4.3 of unit FIR4 (conduct aeronautical knowledge training and flight training);
- (b) demonstrate applicable performance criteria described in element FIR 7.1 (conduct flight review).

2.6 **FIR-TE9.6 – Conduct airborne training**

- (a) conduct flight training in accordance with the training plan demonstrating all skills and behaviours described in element FIR 4.4 of unit FIR4 (conduct aeronautical knowledge training and flight training);
- (b) perform flying techniques and procedures to the competency standards specified for the issue of a night VFR rating whilst occupying the instructor seat;
- (c) maintain situational awareness during all phases of the flight demonstrating the performance criteria specified in unit NTS1;
- (d) manage threats and errors during all phases of the flight demonstrating the performance criteria specified in unit NTS2;
- (e) demonstrate applicable performance criteria described in element FIR 7.2 (conduct flight review).

2.7 **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);
- (b) demonstrate applicable performance criteria described in element FIR 7.3 (conduct flight review).

2.8 **FIR-TE9.8 – Complete post-training administration**

- (a) complete post-training administration demonstrating performance criteria in element FIR4.6 of unit FIR4 (conduct aeronautical training and flight training).

3 Range of variables

- (a) activities are performed in accordance with published procedures;
- (b) aeronautical knowledge training includes all units and elements of competency relevant to a night VFR rating;
- (c) flight training includes all units and elements of competency relevant to a night VFR rating and is supported by relevant pre and post flight briefings;
- (d) aircraft may include:
 - (i) fixed wing (single-engine or multi-engine);
 - (ii) helicopter (single-engine or multi-engine);
 - (iii) other commercial or military aircraft;
 - (iv) aircraft fitted with analogue or digital flight instruments;
 - (v) aircraft fitted with autopilots and/or flight management systems.
- (e) flight instruments that are suitable for full panel instrument flight;
- (f) approved flight simulation training devices (FSTD);
- (g) aerodromes or HLS;
- (h) environmental conditions may include:
 - (i) variable weather;
 - (ii) simulated IMC;
 - (iii) day or night operations;
 - (iv) CTA and OCTA airspace;
 - (v) turbulence;
 - (vi) terrain;
 - (vii) sealed, gravel or grassed surfaces.

4 Underpinning knowledge of the following:

- (a) principles of instruction (FIR4);
- (b) underpinning knowledge included in applicable units IFF, IFL, NVR1, NVR2, NVR3;
- (c) underpinning knowledge included for the applicable units required for a night VFR rating;
- (d) relevant sections of Civil Aviation legislation;
- (e) common risks that exist when conducting night VFR rating training;
- (f) common problems that may occur when conducting night VFR rating training and appropriate action that should be taken in each case;
- (g) assessment and workplace training competency standards;
- (h) principles of adult teaching and learning;
- (i) human performance and limitations factors relevant to the training tasks;

- (j) psychological factors affecting satisfaction of human needs, defence mechanisms and stress management;
- (k) relevant workplace policies and procedures;
- (l) appropriate methods of analysis and training planning;
- (m) lesson planning and development;
- (n) preparation of training resources;
- (o) principles of assessment;
- (p) assessment of behaviour;
- (q) self-assessment and evaluation;
- (r) questioning techniques;
- (s) requirements for completing training documentation.