# Appendix B

# Draft unit – Night vision imaging system training endorsement - FIR-TE10

**FIR-TE10 Night vison imaging system rating training endorsement**

## 1    Unit description

This unit describes the skills and knowledge required to effectively plan, conduct and administer training authorised by the night vision imaging system rating training endorsement.

## 2    Elements and performance criteria

2.1    **FIR-TE10.1 – Demonstrate knowledge of competency based training as applied to night vision imaging system rating training**

(a)    describe the structure, content and context of the Part 61 MOS operational rating and endorsement standards for the night vision imaging system rating;

(b)    describe how the unit of competency structure in the Part 61 MOS is applied to the conduct of flight training

(c)    describe the content of the flight test standards for a night vision imaging system rating;

(d)    describe the requirements for a night vision imaging system rating proficiency check;

(e)    state key competencies required by a pilot to operate using night vision imaging systems;

2.2    **FIR-TE10.2 - 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-TE10.3 – 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 aeronautical knowledge prescribed in unit NVIS (NVIS rating – all aircraft categories);

(c)    demonstrate extensive understanding of the underpinning knowledge associated with each unit relevant to night vision imaging system rating and endorsements;

(d)    establish trainee understanding of underpinning knowledge included in unit NVI  as applicable;

(e)    establish applicant understanding of the knowledge requirements in accordance with the proficiency check standards described in schedule 6 of the Part 61 MOS.

2.4    **FIR-TE10.4 – Develop briefings and plan flight training**

(a)    prepare a training plan that identifies each ground briefing and flight exercise required to achieve the standards required for the issue of a NVIS rating and endorsement as follows:

(i)    elements in units NTS1 and NTS2 to be addressed in relevant briefings and flight exercises as applicable; and

(ii)    NVI – night vision imaging systems operation.

(b)    identify potential threats and errors normally associated with flight training using night vision imaging systems and develop suitable mitigating actions for each flight exercise.

2.5 **FIR-TE10.5 – Conduct pre-flight briefing**

(a) perform effective pre-flight briefings for each flight exercise in the training plan, including application of standard operating procedures, demonstrating applicable performance criteria described in elements FIR4.1 and FIR4.3 of unit FIR4 (conduct aeronautical knowledge training and  flight training)

2.6 **FIR-TE10.6 – Conduct airborne 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);

(b) perform flying techniques and procedures to the competency standards specified for the issue of a night vision imaging system rating and endorsements 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 NTS2;

(e) recognise trainee errors and recover the aircraft when trainee capability or aircraft limitations may be exceeded.

2.7 **FIR-TE10.7 – 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).

2.8 **FIR-TE10.8 – Complete post-training administration**

(a) complete post-training administration demonstrating performance criteria in element FIR4.6 of unit FIR4 (conduct aeronautical knowledge 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 vision imaging system rating and applicable endorsements;

(c) flight training includes all units and elements of competency relevant to a night vision imaging system rating and applicable endorsements and is supported by relevant pre and post flight briefings;

(d) aircraft may include:

   (i) helicopter (single-engine or multi-engine);

   (ii) other commercial or military helicopter;

   (iii) helicopters fitted with analogue or digital flight instruments.

(e) aerodromes or HLS;

(f) environmental conditions may include:

    (i)    variable weather;

    (ii)    CTA and OCTA airspace;

    (iii)    turbulence;

    (iv)    terrain;

    (v)    sealed, gravel or grassed surfaces.

## 4    Underpinning knowledge of the following:

(a)    principles of instruction (FIR1, FIR2 and FIR3);

(b)    FIR4;

(c)    underpinning knowledge included in unit NVI;

(d)    relevant sections of Civil Aviation legislation;

(e)    common risks that exist when conducting NVIS rating training;

(f)    common problems that may occur when conducting NVIS 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.