Assessment Requirements for AVIB0004 Inspect and report on obstacle limitation surfaces

Release: 1

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Modification History

Release 1. This is the first release of this unit of competency in the AVI Aviation Training Package.

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements, performance criteria and range of conditions on at least one occasion and include:

- adapting to differences in equipment and operating environment in accordance with workplace procedures
- applying relevant legislation and workplace procedures
- applying relevant systems (such as aerodrome safety management system [SMS]) and procedures to assess and/or mitigate risk
- communicating effectively with others
- completing relevant documentation
- identifying and correctly using equipment required to inspect and report on the obstacle limitation surfaces (OLS)
- implementing work health and safety (WHS) procedures and relevant regulations
- interpreting and following operational instructions and prioritising work
- modifying activities in accordance with contingencies, situations and environments
- monitoring and anticipating operational problems and hazards and taking appropriate action
- monitoring work activities in terms of planned schedule
- operating electronic communications equipment to required protocol
- reading, interpreting and following relevant regulations, instructions, procedures, information and signs
- selecting and using required personal protective equipment (PPE) conforming to industry and WHS standards
- working collaboratively with others
- working systematically with required attention to detail without injury to self or others, or damage to goods or equipment.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements, performance criteria and range of conditions and include knowledge of:

- aerodrome layout, including access routes

- aircraft schedules and their use in inspecting and reporting on OLS
- declared distances, including:
  - accelerate stop distance available (ASDA)
  - end of take-off distance available (TODA) gradient
  - landing distance available (LDA)
  - supplementary take-off distances available (STODA) and associated gradients
  - TODA
  - take-off run available (TORA)
- different conditions for OLS inspections:
  - all weather conditions
  - day and night
  - various forms of transport, such as vehicle and other motorised/towed equipment
  - variety of terrain conditions
- suitable means of reporting, including:
  - method of working plan (MOWP)
  - Notice to Airmen (NOTAM)
  - verbal communications
  - written communication via fax and/or email
- effects on the usability of the aerodrome caused by obstacles
- function of an Aerodrome Reporting Officer (ARO) or a Works Safety Officer (WSO) as defined in the Manual of Standards (MOS) Part 139 – Aerodromes
- operation of airband radio equipment as used to communicate with air traffic control (ATC) and/or pilots
- people to notify about OLS inspection and reporting:
  - relevant government authorities
  - aerodrome tenants/users
  - airline personnel and managers
  - ATC
  - contractors
  - emergency services personnel
  - other aerodrome/workplace personnel and managers
  - relevant technical staff
  - safety personnel
  - security personnel
- principles of shielding
- displaced thresholds or situations which may constitute the need for a displaced threshold
- problems, safety hazards and risks that exist when inspecting and reporting on OLS and related risk assessment/management measures that may need to be taken
- relevant equipment used in inspecting and reporting on OLS:
  - computer

- lights
- radio/s
- serviceability markers and cones (displaced threshold markers, dumb bell markers, glider markers, signal circle markers, unserviceability cones, unserviceability cross markers and work limit markers)
- telephone
- vehicle siren/loud speaker
- vehicle with flashing light
- reporting procedures
- relevant information/documents:
  - aerodrome drug and alcohol management plan (DAMP)
  - aerodrome manual
  - aerodrome SMS, and safety/security policies and principles of risk assessment and risk management
  - aerodrome operating procedures
  - aeronautical information publication (AIP)
  - AIP – En Route Supplement Australia (ERSA)
  - airport legislation and airport (protection of airspace) regulations
  - airline timetables
  - airside driver's handbook and/or airside driving requirements for the aerodrome
  - Civil Aviation Safety Regulations (CASRs)
  - conditions of service, legislation and industrial agreements, including workplace agreements and awards
  - equipment manufacturer specifications for inspecting and reporting on OLS
  - induction and training material
  - MOS Part 139 – Aerodromes
  - NOTAM
  - plans and maps
  - workplace procedures for inspecting and reporting on OLS
- relevant legislative and regulatory requirements relating to inspecting and reporting on OLS as identified in:
  - CASRs and MOS Part 139 – Aerodromes
  - Defence Orders and Instructions
  - standards and recommended practices (SARPs) of the International Civil Aviation Organization (ICAO)
  - workplace relations
- reporting procedures
- relevant authorities for accessing and reporting purposes, including:
  - aerodrome:
    - operator or delegated person
    - users

- ATC
- Australian Defence Force (ADF) aerodrome operators
- Civil Aviation Safety Authority (CASA)
- NOTAM office (i.e. Airservices Australia)
- requirements for completing relevant documentation and/or incident reporting
- surfaces which comprise OLS, including:
  - approach and take-off surfaces
  - baulked landing surfaces
  - conical surface
  - inner approach surface
  - inner horizontal surface
  - inner transitional surface
  - outer horizontal surface
  - transitional surface
- weather information and its implications for workplace operations
- workplace procedure for inspecting and reporting on OLS.

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Assessment must occur in workplace operational situations. Where this is not appropriate, assessment must occur in simulated workplace operational situations that reflect workplace conditions.

Resources for assessment must include access to:

- a range of relevant exercises, case studies and/or simulations
- relevant materials, tools, equipment and personal protective equipment currently used in industry.
- applicable documentation, including workplace procedures, regulations, codes of practice and operation manuals
- acceptable means of simulation assessment.

Links

AVI Training Package Companion Volume Implementation Guide available on VET Net: - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=4725260a-0af3-4daf-912b-ef1c2f3e5816