Assessment Requirements for AVIB0002 Inspect and report on aerodrome serviceability

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 that might arise during inspecting and reporting on aerodrome serviceability
- communicating effectively with others
- completing relevant documentation
- identifying and correctly using equipment required to conduct an inspection and report on aerodrome serviceability
- implementing work health and safety (WHS) procedures and relevant regulations
- interpreting and following operational instructions and prioritising work
- modifying activities according to workplace 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, signs, information and Manual of Standards (MOS)
- 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
- conducting aerodrome hazard and serviceability inspections, including:
  - animal and bird hazards, and objects becoming hazards within obstacle limitation areas
  - movement areas:
    - apron
    - clearway

- - runway and runway strip
  - runway end safety area (RESA)
  - taxiway and taxiway strip
- initiating procedural repairs or dealing with hazards and/or unserviceabilities, including:
  - accessing current weather information and public/aviation forecasts for the worksite
  - closing aerodrome to all air traffic
  - contacting aerodrome users
  - dealing with the hazard
  - ensuring lighting required to carry out works does not represent a hazard to aircraft operations
  - extinguishing lighting to hazardous section of the movement area
  - notifying appropriate aerodrome maintenance personnel or contractors
  - marking unserviceable area
  - partial closure of the movement area
  - reporting by a Notice to Airmen (NOTAM)
  - serviceability inspection following repairs/rectification
  - undertaking repairs
- reporting of hazardous situations requiring aerodrome works, including:
  - changes to temporary or permanent published aerodrome information
  - circuit failure
  - failure of:
    - aerodrome beacon
    - lighting to the wind indicator
    - obstacle lights
    - pilot activated lighting (PAL)
    - hazardous situations resulting in some or all of aerodrome becoming unserviceable
    - partial lighting failures (such as described in MOS Part 139 – Aerodromes)
    - power supply failure
    - restoration of aerodrome serviceability
    - general aerodrome lighting facilities - apron lighting, runway lighting etc.

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 aerodrome serviceability
- different operating conditions:
  - all weather conditions

- day and night
- various forms of transport, such as vehicle and other motorised/towed equipment
- variety of terrain conditions
- equipment used when inspecting and reporting on aerodrome serviceability
- functions of an Aerodrome Reporting Officer (ARO) and a Works Safety Officer (WSO) as defined in MOS Part 139 – Aerodromes
- navigational aids
- operation of airband radio equipment as used to communicate with air traffic control (ATC) and/or pilots
- problems, safety hazards and risks that exist when inspecting an aerodrome and related assessment/management measures that may need to be taken
- hazardous situations leading to aerodrome unserviceability
- procedures for servicing and minor maintenance of equipment used when inspecting and reporting on aerodrome serviceability
- purpose and application of:
  - aerodrome markers, markings and temporary lighting
  - method of working plan (MOWP)
- radio frequencies applicable to the aerodrome:
  - automatic terminal information services (ATIS)
  - common traffic advisory frequency (CTAF)
  - other air traffic agencies (such as ATC or flight information region [FIR])
  - aerodrome weather information broadcast (AWIB)
- relevant obstacle limitation surfaces (OLS) surfaces
- relevant information and documents:
  - aerodrome emergency plan (AEP) and procedures to be followed for each aerodrome emergency
  - aerodrome SMS and safety/security policies and principles of risk assessment and risk management
  - aerodrome drug and alcohol management plan (DAMP)
  - aerodrome manual
  - aeronautical information publication (AIP)
  - AIP – En Route Supplement Australia (ERSA)
  - 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
  - induction and training materials
  - logbooks
  - MOS Part 139 – Aerodromes
  - manufacturer specifications for equipment used when inspecting and reporting on

- aerodromes
  - NOTAM
  - operational checklists
  - plans and maps
  - relevant forms and databases
  - wildlife hazard management plan
  - workplace procedures
- relevant legislative and regulatory requirements relating to inspecting and reporting on the serviceability of an aerodrome as identified in:
  - CASRs and MOS Part 139 – Aerodromes
  - environmental sustainability
  - standards and recommended practices (SARPs) of the International Civil Aviation Organization (ICAO)
  - workplace relations
  - WHS and environmental procedures and regulations, including DAMP
- reporting procedures
- requirements for completing relevant documentation and/or incident reporting
- safety distances required from an aircraft wingtip to objects, including other aircraft:
  - unserviceability markers/markings
  - displaced threshold markers
  - dumbbell markers
  - signal circle markers
  - unserviceability lighting
  - unserviceability cross markers
  - unserviceability cones
- temporary aerodrome lighting
- vehicle or other mobile obstacle markings and equipment:
  - company logo/identification
  - orange or yellow painting or distinctive marking (of vehicles regularly used on movement area)
  - warning lights (orange/amber/yellow) mounted to be visible through 360 degrees
- weather information and implications for workplace operations
- workplace procedures for inspecting and reporting on aerodrome serviceability.

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 other simulations
- relevant and appropriate 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 simulated 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