



Australian Government

**Assessment Requirements for UEEHA0023
Develop and manage periodic electrical
inspection and maintenance programs for
hazardous areas**

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Modification History

Release 1. This is the first release of this unit of competency in the UEE Electrotechnology Training Package.

This unit replaces and is equivalent to UEEHA0009 Develop and manage periodic electrical inspection and maintenance programs for hazardous areas.

Prerequisite requirements have been amended.

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria on at least two separate occasions and include:

- determining inspection requirements, including:
 - reviewing all documentation held in the verification dossier
 - assessing the effect of factors that may influence equipment integrity
- developing an inspection program for a given hazardous area, including:
 - developing inspection schedules based on information gathered from the verification dossier, factors that may influence equipment integrity, requirements of relevant standards and any previous inspection results
 - developing procedures for each grade of inspection based on the recommendations of standards and equipment manufacturers and conditions particular to the site
 - developing or reviewing the documentation systems for reporting inspection activities and identifying non-compliance defects and recommendations for maintenance
 - establishing or improving work health and safety (WHS)/occupational health and safety (OHS) procedures and safe work methods for inspection and maintenance activities
- implementing and evaluating the inspection program and the resulting maintenance required, including:
 - reviewing qualifications of inspection and maintenance persons to ensure they are currently competent
 - developing a maintenance program from periodic and sample inspection reports, including procedures for dealing with equipment that may require repair or overhaul
 - evaluating the need to revise the extent and frequency of inspections from analysis of information in the inspection reports
 - ensuring all inspection and maintenance documents are retained in the verification dossier
 - establishing procedures for remedial maintenance and equipment repair and overhaul.

Knowledge Evidence

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

- area classification, including:
 - general principles and objectives
 - area classification procedures, including:
 - sources and grades of release
 - type and extent of zones
 - dust layer hazards
 - application of equipment protection levels (EPLs)
- required inspection documentation including:
 - site-specific documents, including:
 - area classification and, where included, EPL for each location
 - records of explosion-protected equipment to be maintained in accordance with its type of protection
 - previous inspection records
 - compliance standards for equipment, electrical installation, design and selection and inspection and maintenance
- inspection requirements, including:
 - grades of inspection and types of inspection
 - aspects to consider in establishing an inspection schedule
 - inspection schedule requirements
 - documentation of the results of scheduled inspections
 - WHS/OHS policy and safe work methods, including isolation of equipment within the hazardous area
- maintenance requirements, including:
 - aspects of equipment subject to maintenance
 - limits of remedial maintenance within hazardous areas
 - requirements for repair, overhaul and reclamation of equipment
 - defects and remedial recommendations identified in schedule inspections.

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 must occur in workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational

situations that replicate workplace conditions.

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.

Resources for assessment must include access to:

- a range of relevant exercises, case studies and/or other simulations
- relevant and appropriate tools and testing devices and personal protective equipment (PPE) currently used in industry
- applicable documentation, including:
 - WHS/OHS policy and procedures for the site
 - verification dossier for the site that includes the following:
 - area classification documents
 - plant design specifications
 - ‘as-installed’ electrical equipment location and distribution drawing
 - process diagrams
 - certification documents for all installed equipment
 - relevant technical standards
 - inspection reports and maintenance records.

Links

Companion Volume Implementation Guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b8a8f136-5421-4ce1-92e0-2b50341431b6>