



Australian Government

Assessment Requirements for UEEHA0028 Perform compliance audits of hazardous areas and related electrical installation

Release: 1

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Modification History

Release 1. This is the first release of this unit of competency in the Electrotechnology 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 and performance criteria on at least two separate occasions and include:

- establishing the extent of the audit including:
 - reviewing the verification dossier to confirm whether essential hazardous area documentation is retained and procedures for maintaining records are established
 - checking hazardous area classification and design drawings and documentation to confirm whether appropriate procedures have been followed and are traceable and authentic
 - ascertaining details of any alteration/modification to plant or processes
 - determining the type and intended location of each item of equipment subject to audit from design drawings and documentation
 - obtaining WHS/OHS policies and procedures and compliant tools and equipment needed for the audit
- performing audit including:
 - interpreting and applying WHS/OHS work procedures
 - examining area classification documentation for compliance of process, traceability and relevance to the current plant and processes
 - assessing electrical design documents for the installation for compliance with the relevant standards and as-installed documentation
 - assessing certification documentation and any repair/overhaul or compliance assessment record for item of explosion-protected equipment for compliance with requirements for the current plant and processes
 - directing appropriately authorized persons to open equipment enclosures as required for the audit and on completion ensuring integrity of explosion-protection is restored
 - auditing electrical equipment and installation for conformance to the design as-installed specifications and compliance with requirements of the applicable standards
 - evaluating inspection and maintenance records against the condition of the plant and accessing compliance with requirements
- reporting audit results including:
 - reporting differences between the hazardous area documentation (verification dossier),

including the as-installed design specifications and installation

- documenting audit report deficiencies and inaccuracies in the site records and non-conformances of explosion-protected equipment and its installation and recommendation for rectification
- forwarding the audit report to the person responsible for acting on the recommendation and for maintaining the hazardous area documentation (verification dossier).

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:

- documentation retained in a verification dossier appropriate and sufficient for the site and includes details such as the following where relevant including:
 - area classification including:
 - site drawings showing the horizontal and elevated delineation of each zone
 - explosive/flammable characteristics of the material creating the explosive atmosphere
 - information related to dust layers
 - justification/explanation for the zones and delineation
 - justification for the area classification
 - installation design including:
 - specification for non-hazardous areas
 - specification for each item of explosion-protected equipment
 - specification of wiring systems
 - equipment location drawings
 - cable schedule/route drawing for wiring system
 - as-installed equipment including:
 - certification documents for each item and manufacturer's information including limits of use
 - history of repairs/overhaul to an item of explosion-protected equipment including compliance assessment
 - certification documents for any second-hand equipment
 - fitness-for-purpose assessments
 - inspection and maintenance reports including:
 - initial inspection
 - periodic inspection schedules
 - maintenance program and actions
 - equipment repair/overhaul
 - other documentation required for the given purpose/activities of the site
- auditing process and procedures
- reference compliance standards for:
 - area classification

- installation design
- selection of equipment
- installation/erection
- inspection and maintenance.

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 PPE currently used in industry
- applicable documentation including:
- safe work methods
- verification dossier for the site including documentation of:
 - area classification
 - installation design
 - as-installed equipment
 - inspection and maintenance records
- electrical installation at the site.

Links

Companion Volume Implementation Guides are found in VETNet -

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