Australian Government

Assessment Requirements for UEEEL0026 Align and install traction lift equipment

Release: 1

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Modification History

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

- aligning and installing traction lift equipment
- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements and workplace procedures and practices, including using of risk control measures
- applying sustainable energy principles and practices
- carrying out alignment functions
- completing and reporting alignment and installation work activities
- dealing with unplanned events in accordance with workplace procedures in a manner that minimises risk to personnel and equipment
- planning to align and install traction lift 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:

- alignment equipment, including rail gauges, straight edges, shims/packers and lasers
- car operating devices, including slowdown switch, limits, inductors, door locks, vanes and shaft information
- current industry practices, workplace procedures and technologies
- equipment layout, including specifications, clearances, 3-D impact on layout and lift code
- fixing devices and methods, including inserts and expansion and chemically bonded anchors
- installation and alignment of hydraulic equipment, including ram/cylinder, hydraulic lines and bleeding hydraulic system
- lift car alignment, including superstructure, frames and doors
- lift well alignment, including guides and brackets, trimmer beams, buffers, compensators, landing doors and locks
- lift well/s, including lift well alignment

- multiple lift wells, including:
  - corrective action and setting of well templates
  - plumb charts analysis for 3-D impact
  - use of theodolite, centre line/datum, survey information and layouts
- single lift wells, including:
  - purpose and need for accuracy, including identification of clearances
  - modification of errors, including adjustment and use of template
  - use of plumb lines and weights
  - measuring and marking out lift wells and machine room, where appropriate
  - plumbing chart and use of laser level
- machine room alignment, including machine and fixings, diverter, governor and tensioning sheaves, counterweight centre lines and roping system
- relevant job safety assessments or risk mitigation processes
- relevant manufacturer specifications and relevant industry standards, including:
  - traction lift mechanical equipment
  - traction lift electrical equipment
- relevant WHS/OHS legislated requirements
- relevant workplace documentation
- relevant workplace policies, procedures and instructions
- running clearances requirements, including safety gear, car sill and door operator
- sustainable energy principles and practices.

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 suitable workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in suitable 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 materials, tools, facilities, equipment and personal protective equipment (PPE) currently used in industry
- resources that reflect current industry practices in relation to aligning and installing lift equipment
- applicable documentation, including workplace procedures, equipment specifications,

regulations, relevant industry standards, codes of practice and operation manuals.

Links

Companion Volume implementation guides are found in VETNet - - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b8a8f136-5421-4ce1-92e0-2b50341431b6