



Australian Government

Assessment Requirements for PMBPROD302E Bunch and strand wire

Release: 1

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Modification History

Release 1. Unit code changed. Application changed. Elements and Performance Criteria changed. Range of Conditions removed. Assessment Requirements changed. Supersedes and is equivalent to PMBPROD302 Bunch and strand wire.

Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and demonstrated the ability to:

- bunch and strand wire at least once to meet job specifications.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- function and operating principles of wire bunching and stranding equipment, equipment components and ancillary equipment
- products, materials and material characteristics
- wire bunching and stranding manufacturing processes
- the criteria for overall process/equipment readiness for the process or equipment being used
- production workflow sequences and materials demand
- behaviour of materials in relation to key process variables, and speed, temperature and tension
- wire properties and their interactions with process conditions
- typical quality standards required at each stage of production
- impact of machine operating parameters on product quality and production output
- impact of variations in raw materials and equipment operation in relation to final product
- key variables that may affect product quality and production output, including:
 - equipment operating speed
 - time
 - tension
 - wind off speed
 - product integrity and general conformance to specification
- typical and atypical process and product problems, including early warning signs, possible causes and corrective actions:
 - processing problems, including incorrect diameters, ovality, surface appearance, colour, inclusions, elongation, tensile strength, weight and wrap

- equipment malfunctions, including wire breaks, issues caused by raw material contamination, die wear and build-up, faulty capstan bands and faulty wire welds
- materials problems, including raw material contamination and incorrect quantities of materials
- organisational procedures relevant to the work environment or job role, including procedures for the emergency shutdown of equipment
- hazards that may arise in the job or work environment and:
 - their possible causes
 - potential consequences
 - appropriate risk controls.

Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

Links

Companion Volume implementation guides are found in VETNet – -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=932aacef-7947-4c80-acc6-593719fe4090>