



Australian Government

PMBPROD209E Operate cable winding equipment

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 PMBPROD209 Operate cable winding equipment.

Application

This unit covers the skills and knowledge required to operate cable winding equipment.

This unit applies to an individual working alone or as part of a team.

The unit principally refers to operators who are required to carry out pre-startup checks, check settings and adjustments on preset equipment, monitor and adjust the equipment, and recognise problems and take appropriate action.

No licensing or certification requirements exist at the time of publication. Relevant legislation, industry standards and codes of practice within Australia must be applied.

Pre-requisite Unit

Nil

Competency Field

Production – Cable Winding

Elements and Performance Criteria

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Check work requirements	1.1 Identify requirements from job specifications and according to workplace procedures 1.2 Perform housekeeping tasks to prepare for work to be undertaken 1.3 Perform pre-operational checks including emergency stops, and checking for and acting on hazards 1.4 Undertake pre-startup checks of equipment, including checking safety gates, guards and emergency stops are in position and working according to equipment specifications

Elements Elements describe the essential outcomes.	Performance Criteria Performance criteria describe the performance needed to demonstrate achievement of the element.
2. Set up winding equipment	2.1 Assess spool condition for operational readiness 2.2 Assess winding equipment settings and adjustments, spool size and length settings for operational readiness 2.3 Thread product through equipment and feed onto spool according to equipment operation instructions 2.4 Adjust tensions and check laying pattern to achieve optimal operation 2.5 Check emergency cut-off switches and other safety devices in readiness for operation
3. Operate cable winding equipment	3.1 Start up and operate cable winding equipment according to equipment instructions to meet work requirements 3.2 Check process is operating according to equipment specifications and work requirements 3.3 Ensure output meets job specifications and quality standards 3.4 Monitor and maintain supply of materials to support operation of equipment 3.5 Accurately complete logs and records 3.6 Apply waste management strategies to collect excess, discarded or nonconforming materials to be disposed of, recycled or reprocessed according to workplace procedures 3.7 Clean, lubricate and adjust equipment according to equipment specifications 3.8 Clean work area according workplace procedures 3.9 Pause or stop equipment in normal and abnormal circumstances according to workplace procedures
4. Complete work process	4.1 Complete operation according to work requirements and secure free ends 4.2 Apply manual handling techniques to remove and set down reel 4.3 Relocate reel and transport as required by operational procedures 4.4 Fit new spool and start up product-winding operations for next operation

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
5. Respond to process control variances	5.1 Recognise and log process control variances and their causes 5.2 Determine, prioritise and implement remedial and preventative actions based on identified issues and causes 5.3 Accurately maintain records and logbooks

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance.

- Numeracy skills to read and interpret production information to manage key variables.
- Reading skills to interpret job and equipment specifications and instructions, and workplace procedures.
- Writing and oral communication skills to record and report on cable winding equipment operation processes.

Other foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

Supersedes and is equivalent to PMBPROD209 Operate cable winding equipment.

Links

Companion Volume implementation guides are found in VETNet –

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

Assessment Requirements for PMBPROD209E Operate cable winding equipment

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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:

- operate cable winding equipment at least once to meet job specifications.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- the functions of cable winding and ancillary equipment, machine components and the materials used
- principles of operation of the equipment
- principles of safe manual-handling for cable winding equipment
- the criteria for overall process/equipment readiness for the process and equipment being used
- cable winding workflow sequences and materials demand
- key variables that may affect product quality and production output, including:
 - differences between actual and set conditions
 - speed
 - tension
- typical process and product problems, including early warning signs, possible causes and corrective actions
- the distinguishing characteristics of causes of routine faults, including:
 - procedural errors
 - mechanical abnormalities
- 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.

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