



Australian Government

Assessment Requirements for PMBPROD384E Operate multi-axis router

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 PMBPROD384 Operate multi-axis router.

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 a multi-axis router at least once to meet job specifications, and:
 - download CAD files to the machining centre
 - perform a test run, digitising directly using a 'teach pendant'
 - import and use STP files.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- functions and operating principles of multi-axis routers and ancillary equipment
- types, characteristics, uses and limitations of multi-axis routers
- operating practices and techniques applicable to multi-axis router software
- production workflow sequences
- types of materials and their characteristics
- the criteria for overall process/equipment readiness for the process or equipment being used
- typical quality standards required at each stage of production
- key variables and common adjustments that may affect product quality and production output, and the impact of variations in machine process on product quality and production output, including:
 - speeds, including tool speed and travel
 - surface finish and appearance
 - output rate
 - product integrity and general conformance to specification
- typical and atypical process and product problems, including early warning signs, possible causes and corrective actions
- 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>