



Australian Government

PMBPROD217E Operate printing 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 PMBPROD217 Operate printing equipment.

Application

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

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

The unit principally refers to any type of printing equipment, such as flexography, gravure and pad printing, used for printing onto extruded or moulded polymer products.

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 – Polymer Printing

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 materials, work and equipment requirements from job specifications 1.2 Perform housekeeping tasks to prepare for work to be undertaken 1.3 Perform pre-operational checks including checking for and acting on hazards
2. Start up printing equipment	2.1 Conduct pre-startup checks according to equipment specifications 2.2 Start up printing equipment according to equipment instructions
3. Operate printing equipment	3.1 Check process is operating according to equipment specifications and work requirements 3.2 Ensure output meets job specifications and quality standards

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
	3.3 Ensure output is ready for next operation from production workflow requirements 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 and segregate scrap, trim and other materials according to workplace procedures 3.7 Clean equipment and work area according to equipment specifications and workplace procedures 3.8 Pause or stop machine cycle in normal and abnormal circumstances according to workplace procedures
4. Respond to process control variances	4.1 Recognise and log process control variances and their causes 4.2 Determine, prioritise and implement remedial and preventative action based on identified issues and causes 4.3 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 interpret job and equipment specifications and equipment readings.
- Reading skills to interpret specifications and workplace procedures.
- Writing and oral communication skills to record and report on printing equipment operation.

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 PMBPROD217 Operate printing 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 PMBPROD217E Operate printing 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 printing equipment at least once to meet work requirements.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- the functions of printing equipment, machine components, guides and ancillary equipment
- principles of operation of the printing equipment
- the criteria for overall process/equipment readiness for the equipment or process being used
- printing workflow sequences and materials demand
- the potential effects of variations in raw materials and equipment operation in relation to quality of product
- key variables that may affect product quality and production output, including reasons for checking and reporting readings that are outside of normal range of process probabilities, and:
 - process conditions, such as temperature and humidity
 - variations in or contamination of materials and/or surface to be printed
 - printing time cycles
 - surface preparation
 - location of print media on product
 - supply of media and ink
- typical process and product problems, including early warning signs, possible causes and corrective actions, including:
 - unclear printing
 - incomplete printing
 - colour variation
 - drying time variation
 - print register problems

- 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

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