



Australian Government

Assessment Requirements for ICPPRN3420

Produce complex pad printed product

Release: 1

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Modification History

Release	Comments
Release 1	This version first released with ICP Printing and Graphic Arts Training Package Version 4.0.

Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- operate a pad printing machine and produce two different jobs.

In the course of the above the candidate must:

- operate production process in association with fellow workers and according to enterprise procedures and planned daily schedule
- follow work health and safety (WHS) requirements, manufacturer specifications and enterprise procedures
- anticipate production difficulties and take preventive action to prevent occurrence.
- demonstrate use of control, monitoring and data entry systems.

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- WHS risks and requirements for:
 - setting up and operating the pad printing machine
 - handling inks and other materials
 - machine shutdown
 - cleaning and waste disposal
- material safety data sheets (MSDS), their location and what information they contain
- selection criteria for machine cycle modes to improve colour density of a light image on a dark substrate
- product quality requirements and control and correction methods
- special cycle modes available on the machine and their application
- indicators that an ink has been mixed to the required viscosity and correction methods
- causes of unreleased ink remaining on the printing pad and identifying criteria

- effect of a catalyst on the pot life of ink, and other factors affecting pot life
- signs of a damaged pad
- required cleaning method for a pad during production
- effect of different pad shapes in multi-coloured printing for different colours
- steps taken to determine time the ink requires to cure before scratch and adhesion tests can be performed
- check for pre-treatment of polypropylene during production
- procedure for ensuring required drying conditions for the product
- visible effects of incorrect ink viscosity on the image
- steps taken to identify the cause of incorrect registration and avoid it
- regulatory requirements for recycling procedures
- manufacturer manuals, enterprise procedures and work health and safety documentation, including their location and purpose.

Assessment Conditions

Gather evidence to demonstrate consistent performance in conditions that are safe and replicate the workplace. Noise levels, production flow, interruptions and time variances must be typical of those experienced in the printing field of work and include access to:

- special purpose tools, equipment and materials
- pad printing machine.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

Companion Volume Implementation Guide is found on VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a74b7a0f-a253-47e3-8be0-5d426e24131d>