



Australian Government

Assessment Requirements for ICPPRP2670 Produce offset lithographic plates

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 the unit, including evidence of the ability to:

- prepare, set up and use lithographic plate exposure and plate processing equipment and software to produce one lithographic plate manually and one with machinery.

In the course of the above, the candidate must:

- modify the plate image to deliver the required standard of output
- identify the substrate for reproduction
- ensure plate quality meet requirements for the identified printing processes.

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:

- types of lithographic plates and the criteria for their selection
- advantages and disadvantages of negative and positive plates
- computer-to-plate (CTP) printing and its industry-standard equipment software
- plate exposure techniques and control, including:
 - the squared and centred position of images
 - importance of colour bars and control strips
 - light sources used in plate exposing frames
- plate processing
- work health and safety (WHS) requirements when processing printing plates
- baths and solutions used in a plate processing machine
- impacts of changes in processor time on the final plate
- plate finishing and correction procedures
- purpose of gumming a plate

- post-exposure techniques
- criteria used to evaluate plate accuracy
- procedures to address dot gain issues
- difference between physical and optical dot gain
- plate punching and registration and procedures required to maintain accuracy
- manufacturer manuals, enterprise procedures and work health and safety and enterprise documentation, including their location and purpose.

Assessment Conditions

Skills in this unit must be demonstrated in a workplace or simulated environment where the conditions are typical of those in a working environment in this industry. Noise levels, production flow, interruptions and time variances must be typical of those experienced in the area of work.

This includes access to:

- lithographic print tools and equipment
- industry software packages.

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>