



Australian Government

Assessment Requirements for ICPPRP267 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 1.0.

Performance Evidence

Evidence of the ability to:

- prepare, set up and use lithographic plate exposure and plate processing equipment to produce a lithographic plate manually, and another using a machine according to listed performance criteria
- process plate according to plate manufacturer's specifications
- carry out changes to plate image correctly, to deliver standard of output required by the job brief
- identify substrate for reproduction and ensure plate quality is suitable for the identified printing processes; this ensures skills of plate making are transferable across the design and pre-press sectors
- find and use information relevant to task from a variety of information sources.

Note: If a specific volume or frequency is not stated, then evidence must be provided at least once.

Knowledge Evidence

To complete the unit requirements safely and effectively, the individual must:

- list types of lithographic plates
- define criteria for selection of plates
- outline advantages and disadvantages of negative and positive plates
- explain plate exposure techniques and control, including:
 - why images should be centred and square
 - importance of colour bars and control strips
 - light sources used in plate exposing frames
- explain plate processing
- list work health and safety (WHS) concerns when processing printing plates
- name baths and solutions used in a plate processing machine

- explain impact of a change in processor time on the final plate
- explain plate finishing and correction
- explain purpose of gumming a plate
- outline post-exposure techniques
- list criteria used to evaluate accuracy of the plate
- discuss dot gain issues
- explain difference between physical and optical dot gain
- outline steps to overcome dot gain
- explain plate punching and registration
- detail care needed to ensure accurate punching and registration
- list manuals, safety and other documentation relevant to this task and identify where are they kept and what information is included.

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 Pre-Press field of work and include access to special purpose tools, equipment and industry software packages.

Assessors must satisfy NVR/AQTF assessor requirements.

Links

Companion Volume implementation guides are found in VETNet -

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