



**Australian Government**

# **Assessment Requirements for ICPPRP272 Produce gravure cylinders manually**

**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:

- manually produce TWO gravure cylinders and establish and maintain a chemical register according to the listed performance criteria
- safely and correctly process the cylinder to ensure etching produces a quality print
- find and use information relevant to the 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:

- state chemical names and symbols for three chemicals used in cylinder production
- describe standard safety procedures used when handling gravure chemicals
- describe two methods of manual gravure cylinder production
- explain cylinder balancing and how it is achieved
- outline preparation processes for both steel and aluminium cylinder bases
- explain Blue Print and how it is produced
- outline Direct Transfer method of cylinder production
- explain how cell depth is determined
- identify etching solution chemical
- state thickness of chrome coating on the etched surface
- outline factors that govern rate of etch
- list manuals, safety and other documentation relevant to this task, 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>