



**Australian Government**

# **Assessment Requirements for ICPSCP2330**

## **Manually prepare direct emulsion stencil**

**Release: 1**

# Assessment Requirements for ICPSCP2330 Manually prepare direct emulsion stencil

## 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:

- prepare two different direct screens and two direct emulsion stencils using manual coating and exposure techniques according to manufacturer and job specifications, enterprise procedures and work health and safety (WHS) requirements.

## 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:
  - working with UV exposure light
  - handling chemical materials
  - preparing emulsions
  - washing out exposed screens
- importance of the mesh count
- effect of screen tension on emulsion coating
- method of determining the emulsion required for the job and emulsion selection requirements
- importance of preparing the work area and equipment
- effect of the coating trough edge on emulsion coating
- reasons for checking the expiry date of emulsions
- maximum temperature at which the emulsion can be dried
- need to have vacuum pressure in the vacuum frame
- selection process for the light source position
- formula and process used to calculate optimum exposure time
- effects of overexposure and underexposure
- effect on exposure of a white or coloured mesh

- procedure for washing the screen out as required
- characteristics determining a good and bad stencil
- • reasons for drying the screen before blocking out
- factors determining the type of filler used for blocking out
- reasons for spotting pinholes and taping the screen
- qualities by which stored screens can be identified at a later date
- 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 screen printing field of work and include access to:

- chemicals
- stencil equipment.

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>