



**Australian Government**

# **Assessment Requirements for ICPSCP233 Manually prepare direct emulsion stencil**

**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 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.

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:

- explain the significance of the mesh count
- explain the effect that screen tension has on emulsion coating
- explain how to determine the emulsion suitable for the job
- explain the significance of good housekeeping in the preparation of the work area and equipment
- describe the effect that the coating trough edge has on emulsion coating
- explain the requirements for choosing emulsion for a particular job
- explain the reasons for checking the expiry date of emulsions
- determine the maximum temperature at which the emulsion can be dried
- explain the need to have good vacuum pressure in the vacuum frame
- outline the process for selecting the light source position
- explain the formula used to calculate exposure time
- explain the effects of overexposure and underexposure
- explain how the optimum exposure time is determined
- describe the effect on exposure that a white or coloured mesh has
- determine how the screen is washed out properly
- identify the characteristics that determine a good and bad stencil

- explain why the screen is dried before blocking out
- explain what determines the type of filler used for blocking out
- explain the reasons for spotting pinholes and taping the screen
- determine the WHS requirements for UV exposure light
- explain the means by which stored screens are able to be identified at a later date
- identify required manuals, safety and other documentation and briefly outline the relevant information in each source.

## **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 and relevant equipment.

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>