



Australian Government

ICPSCP339 Prepare stencil using direct projection method

Release: 1

ICPSCP339 Prepare stencil using direct projection method

Modification History

| Release | Comments |
|-----------|--|
| Release 1 | This version first released with ICP Printing and Graphic Arts Training Package Version 1.0. |

Application

This unit describes the skills and knowledge required to select, prepare, process and store photographic capillary stencils.

It applies to individuals working in the printing and graphic arts industry who may have to set up and operate power-driven or hand-operated screen printing machines, and who may have to provide leadership and guidance to others and have some limited responsibility for the output of others.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Unit Sector

Screen printing

Elements and Performance Criteria

| ELEMENT | PERFORMANCE CRITERIA |
|--|--|
| <i>Elements describe the essential outcomes.</i> | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i> |
| 1 Prepare work area | <p>1.1 Work area is made clean and functional prior to commencement of work</p> <p>1.2 Equipment is inspected to ensure it is functional and, where necessary, appropriate remedial action is taken prior to commencement of work</p> <p>1.3 Chemicals are prepared, if necessary, according to work health and safety (WHS) requirements and manufacturer or supplier specifications</p> <p>1.4 Appropriate coating trough (or troughs for automatic coaters) is selected, ensuring it is free of nicks and burrs</p> |

| ELEMENT | PERFORMANCE CRITERIA |
|--------------------|---|
| 2 Prepare screen | 2.1 Screen is selected according to job specifications 2.2 Chemicals are applied and removed according to WHS requirements and manufacturer or supplier specifications |
| 3 Select emulsion | 3.1 Emulsion is selected according to requirements for ink type, print resolution, substrate, mesh type and machine type with minimisation of waste 3.2 Emulsion is checked for expiry date and appropriate action taken 3.3 Emulsion is prepared according to WHS requirements, and manufacturer or supplier specifications 3.4 Emulsion is used and dried according to manufacturer or supplier specifications |
| 4 Process material | 4.1 Coated screen is positioned on projection frame holder according to manufacturer or supplier specifications 4.2 Projection light source equipment is positioned according to manufacturer or supplier specifications 4.3 Positive is positioned into projection light source which is then set to desired enlargement according to manufacturer or supplier specifications 4.4 Exposed screen is removed from positioning frame according to WHS requirements and manufacturer or supplier specifications 4.5 Exposed screen is washed out according to WHS requirements and manufacturer or supplier specifications 4.6 Processed stencil or screen is inspected for processing flaws |
| 5 Dry stencil | 5.1 Processed stencil is dried according to manufacturer or supplier specifications 5.2 Backing sheet is carefully removed and stencil checked for full adhesion |
| 6 Block out screen | 6.1 Non-image areas of prepared screen are blocked out with filler suitable for ink type and according to job specifications 6.2 Stencil is inspected for flaws, scum and orientation 6.3 Pinholes are spotted out with suitable filler and taped according to ink type and job specifications |
| 7 Store screen | 7.1 Prepared screen is labelled according to enterprise specifications 7.2 Prepared screen is stored in clean, dry environment according to manufacturer or supplier specifications |

Foundation Skills

This section describes language, literacy, numeracy and employment skills incorporated in the performance criteria that are required for competent performance.

| Skill | Performance Criteria | Description |
|----------------------------|---|--|
| Reading | 1.3, 2.1, 2.2, 3.2-3.4, 4.1-4.5, 5.1, 6.1, 7.2 | <ul style="list-style-type: none"> Establishes job requirements from relevant information Identifies correct process from procedural documentation |
| Writing | 7.1 | <ul style="list-style-type: none"> Completes routine labelling associated with production and enterprise processes |
| Numeracy | 1.3, 4.3 | <ul style="list-style-type: none"> Uses simple mathematical processes to calculate amounts of chemicals and coating times |
| Navigate the world of work | 1.3, 2.2, 3.3, 4.4, 4.5, 7.1, 7.2 | <ul style="list-style-type: none"> Complies with organisational, legal and regulatory requirements related to own work, with specific reference to safety |
| Get the work done | 1.1, 1.2, 1.4, 2.1, 3.1, 3.2, 3.4, 4.1-4.6, 5.1, 5.2, 6.1-6.3 | <ul style="list-style-type: none"> Takes responsibility for planning and organising own workload, identifying ways of sequencing and combining elements for efficiency Automatically implements standard procedures for routine decisions Recognises and takes responsibility for addressing predictable problems in familiar work contexts Understands the purposes, specific functions and key features of common digital systems and tools, and operates them effectively to complete routine tasks |

Unit Mapping Information

| Code and title current version | Code and title previous version | Comments | Equivalence status |
|--|--|---|--------------------|
| ICPSCP339 Prepare stencil using direct projection method | ICPSP339C Prepare stencil using direct projection method | Updated to meet Standards for Training Packages | Equivalent unit |

Links

Companion Volume implementation guides are found in VETNet -

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