



Australian Government

ICPSCP2150 Prepare screen

Release: 1

ICPSCP2150 Prepare screen

Modification History

Release	Comments
Release 1	This version first released with ICP Printing and Graphic Arts Training Package Version 4.0.

Application

This unit describes the skills and knowledge required to safely select and prepare screens for printing using appropriate equipment and procedures.

It applies to individuals working under direct supervision and performing mainly routine tasks.

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 frame	1.1 Select frame according to job specifications 1.2 Select tools and equipment for frame preparation according to standard indicated in job specifications 1.3 Prepare frame surface and confirm meets requirements to receive mesh
2. Select mesh	2.1 Select mesh type according to job specifications 2.2 Identify imperfections and flaws and take action to resolve 2.3 Measure mesh and cut from supply to meet screen specifications
3. Stretch and fix mesh	3.1 Position mesh in tensioning equipment at required angle 3.2 Set and apply tension

ELEMENT	PERFORMANCE CRITERIA
	3.3 Check tension according to manufacturer or supplier specifications 3.4 Pre-stretch mesh prior to fixing and fix mesh to frame according to frame construction requirements 3.5 Mix chemicals for application according to manufacturer specifications 3.6 Remove screen from apparatus after required curing
4. Convert mesh	4.1 Select chemicals for conversion of mesh according to manufacturer specifications 4.2 Apply chemicals for conversion according to manufacturer specifications and to work health and safety (WHS) requirements
5. Label and store screen	5.1 Identify and label screens 5.2 Store screens according to enterprise procedures and storage requirements

Foundation Skills

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

Skill	Description
Reading	Identifies and interprets textual information to determine and adhere to requirements
Writing	Uses clear, specific and industry related terminology to legibly and correctly complete workplace documentation
Numeracy	Uses mathematical formulae to calculate measurements, ratios, scale and angles
Self-management	- Takes some personal responsibility for adherence to legal and regulatory requirements with specific reference to safety - Complies with all organisational procedures relevant to own role - Takes responsibility for routine low-impact decisions within familiar situations
Planning and organising	Follows clearly defined instructions and sequencing and monitors own progress for the task
Problem solving	Responds to predictable problems and implements standard or logical solutions

Technology	Identifies the purpose and some specific functions of common digital tools used in work contexts
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Unit Mapping Information

Supersedes and is equivalent to ICPSCP215 Prepare screen.

Links

Companion Volume Implementation Guide is found on VETNet -

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

Assessment Requirements for ICPSCP2150 Prepare screen

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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:

- select two different screen frame types, stretch and fix mesh and prepare screen for stencil application, 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:
 - handling blades
 - handling chemical materials
- reasons why a frame is needed and the selection criteria for a particular frame
- tools required to prepare the frame surface
- key features that indicate a good surface for mesh adhesion has been achieved
- the different mesh types and the type of job each mesh type would be suited to
- common flaws or issues in screen mesh, their identifying criteria and correction methods
- techniques used to minimise wastage when cutting mesh
- position the mesh is placed in before tensioning
- methods of pre-stretching the mesh prior to securing it
- steps taken to measure tension
- various methods of fixing mesh to frame
- different pre-tensioning techniques available
- methods for converting screen mesh chemically and mechanically
- method for identifying the mesh on a screen
- ideal and required conditions for storing screens
- manufacturer specifications for the storage and use of chemicals in mesh conversion
- manufacturer manuals, enterprise procedures and work health and safety documentation, including their location and purpose.

Assessment Conditions

Skills in this unit must be demonstrated in a workplace or simulated environment where the conditions are typical of those in a working environment in this industry. 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:

- special purpose tools, equipment and materials
- chemicals
- mesh
- frames.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

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