



Australian Government

ICPSCP3830 Prepare film for complex screen printing

Release: 1

ICPSCP3830 Prepare film for complex screen printing

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 prepare film for complex screen printing using appropriate equipment and Raster Image Processor (RIP) software.

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. They 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. Identify job requirements	1.1 Confirm image specifications 1.2 Check orientation against job specifications and adjust if required 1.3 Determine resolution or dots per inch (DPI) for template creation
2. Prepare and operate equipment	2.1 Select, turn on and clean scanner and computer 2.2 Select and open scanner software and adjust settings according to job requirements 2.3 Preview, select images, and complete finished scan according to work health and safety (WHS) requirements 2.4 Determine image format and save to storage device

ELEMENT	PERFORMANCE CRITERIA
3. Select imaging software	3.1 Select software, open scan and produce separations on individual layers according to job specifications 3.2 Exclude colours as required on separation layers 3.3 Apply stroke for bleed according to printing equipment 3.4 Colour separation layers for RIP software 3.5 Determine image format according to RIP software requirements 3.6 Check supplied finished artwork or separation against output requirements
4. Select and operate appropriate equipment	4.1 Select, clean and operate image setter or dye printer 4.2 Select and open RIP software, and check and set software settings according to output specifications 4.3 Check nesting to confirm minimal wastage of film 4.4 Evaluate image output against job specifications 4.5 Handle film according to manufacturer specifications 4.6 Close down output device according to manufacturer specifications

Foundation Skills

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

Skill	Description
Numeracy	• Uses basic mathematical formula to calculate measurements and adjustments to equipment and settings
Self-management	• Monitors adherence to enterprise procedures
Planning and organising	• Takes responsibility for planning and organising own workload, identifying ways of sequencing and combining elements for efficiency • Automatically implements standard procedures for routine decisions
Problem solving	• Identifies and takes responsibility for addressing predictable problems in familiar work contexts
Technology	• Identifies the purposes, specific functions and key features of common digital systems and tools, and operates them effectively to complete routine tasks

Unit Mapping Information

Supersedes and is equivalent to ICPSCP383 Prepare film for complex screen printing.

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 ICPSCP3830 Prepare film for complex screen printing

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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:

- prepare film for two different complex screen printing jobs using required equipment and Raster Image Processor (RIP) software involving different image effects, according to manufacturer, job and enterprise 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:

- work health and safety (WHS) risks and requirements for working on a computer for extended periods of time
- image specifications, orientation and the resolutions or dots per inch (DPI) determination
- required scanner settings, including adjusting image brightness and contrast
- the exclusion of colours and bleed for specific jobs and the purpose of colouring separation layers
- the process for selecting ink and colour identification
- the common file format when using Raster Image Processor (RIP) software and the settings that must be checked prior to ripping
- film handling procedures
- quality and job requirement criteria of films and dye cartridges
- the nesting requirements of particular jobs and the output suitability prior to producing separations
- the required output device and routine checks and maintenance that must be performed on an image setter or dye printer
- the procedures used for evaluating the output film to ensure it conforms to job specifications.
- 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:

- a computer and scanner and RIP software
- workplace documentation
- job specifications
- enterprise procedures.

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

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