



Australian Government

ICPPRP3820 Produce computer images for screen printing

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 4.0.

Application

This unit describes the skills and knowledge required to produce a computer image for screen printing. It requires the individual to generate electronic art to a supplied layout film positive or computer cut stencil.

It applies to individuals who work under some supervision using practical skills and equipment to produce computer images for screen printing.

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

Unit Sector

Pre-Press

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 for scanning	1.1 Identify job requirements and determine production specifications 1.2 Scale original to conform to production specifications 1.3 Determine scanner setting 1.4 Clean and mount original according to production specifications 1.5 Select settings for original to be scanned
2. Scan and check image	2.1 Scan original according to enterprise quality requirements and work health and safety (WHS) requirements 2.2 Assess quality of scanned image for conformance to job specifications 2.3 Identify and apply software for processing of text where required

ELEMENT	PERFORMANCE CRITERIA
3. Combine data	3.1 Identify and access required data from electronic files 3.2 Combine data sets with required applications according to job specifications 3.3 Access required fonts according to job specifications 3.4 Create page layout size and place elements in page according to job specifications 3.5 Apply trapping according to job specifications 3.6 Access step and repeat function and step elements 3.7 Configure output menu
4. Output image	4.1 Setup and perform maintenance on output devices according to manufacturer specifications and enterprise procedures 4.2 Identify and load required material into the output device 4.3 Activate system to initiate output 4.4 Monitor quality according to enterprise procedures 4.5 Prepare equipment and output devices for next activity according to enterprise procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

Skill	Description
Reading	• Identifies and evaluates text to establish job requirements
Self-management	• Identifies and follows organisational procedures within scope of own role
Planning and Organising	• Takes responsibility for planning and organising own workload and assembles resources required • Takes responsibility for addressing predictable, and some less predictable, problems in familiar work contexts
Technology	• Utilises a broad range of features of digital tools optimising software functions for specific purposes

Unit Mapping Information

Supersedes and is equivalent to ICPPRP382 Produce computer image for 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 ICPPRP3820 Produce computer images for 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 the unit, including evidence of the ability to:

- scan, electronically combine and output to designated devices, two separate images using at least one of the following mediums:
 - film
 - stencil.

In the course of the above, the candidate must:

- demonstrate awareness of both digital and manual processes of image production
- follow work health and safety (WHS) requirements in the process of carrying out tasks.

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) requirements for working with output devices
- digital and manual process of image production, their key features, advantages and disadvantages
- film and stencil mediums and their key features
- tolerance requirements for scaling original
- common scanner dots per inch (DPI) for graphic line images
- original angling
- optical character recognition (OCR) scanning, its state resolution and uses in formatting
- enterprise procedures for saving scans
- locating and accessing external files
- available software for combining images and processing text
- page layout size responsibilities
- types of elements used

- trapping and its application
- requirements for step and repeats in a job
- enterprise procedures for the output menu
- types of output devices used in screen printing and their maintenance
- range of substrates used in output devices
- locating files prior to output
- enterprise procedures for maintaining quality standards.

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 area of work.

This includes access to:

- a scanner
- output devices
- industry software packages.

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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