



Australian Government

ICPPRP3250 Create graphics using graphics applications

Release: 1

ICPPRP3250 Create graphics using graphics applications

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 develop graphics incorporating a range of features for cross-media publishing based on a client brief, using a high-end application.

It applies to individuals who select, adapt and transfer skills and knowledge to new environments, and provide technical advice and some leadership in resolution of specific problems.

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. Balance image quality and file size	1.1 Identify design brief and work health and safety (WHS) requirements and open graphics files 1.2 Repeat graphics using a symbol to reduce file size 1.3 Create slices from objects, layers and groups and update as required 1.4 Apply type anti-aliasing as required to keep small text readable 1.5 Automate tasks and use scripts for automation where required
2. Manipulate and import objects	2.1 Manipulate and edit objects and text as required 2.2 Define elements for repetition, use repetition tools to create duplicates and manipulate as a group

ELEMENT	PERFORMANCE CRITERIA
	2.3 Create complex shapes and edit as required 2.4 Embed and link images in required file format 2.5 Modify and duplicate images according to design brief requirements 2.6 Add an opacity mask to images 2.7 Export layered file to image editing program
3. Develop variable templates	3.1. Define objects within the template as variables, based on design brief requirements 3.2 Confirm variations, using data stored in any Open Database Connectivity (ODBC) compliant source 3.3 Test template variables to confirm required operation
4. Colour separate artwork	4.1 Determine colour separation format according to requirements of the enterprise workflow system 4.2 Set command preferences as required for print quality and process 4.3 Set colour separation options based on printer feedback and print requirements of the design brief 4.4 Combine process and spot colours as required 4.5 Select screen frequency value according to print quality requirements and save colour separation preferences 4.6 Create spreads and choke traps 4.7 Define overlapping and overprint of objects 4.8 Create proof and check separations 4.9 Complete any required editing and save file
5. Prepare for final media	5.1 Embed metadata tags to catalogue, organise and retrieve artwork 5.2 Select web-safe colours for cross-media publishing purposes 5.3 Choose file formats to represent artwork styles according to design brief requirements and manufacturer specifications 5.4 Link objects to create an image map meeting design brief requirements 5.5 Layer objects to create animation frames and export for animation set-up 5.6 Select compression options to keep image quality high and file size low 5.7 Set export options for the final media and save and export the file

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
Numeracy	Analyses a range of mathematical information used in familiar and routine tasks
Planning and Organising	Takes responsibility for planning and organising own workload and assembles resources required
Technology	- Follows routine procedures for using digital technology by reading data from electronic monitoring and control systems - Utilises a broad range of features within digital applications optimising software functions to achieve requirements
Self-management	Identifies and takes responsibility for addressing predictable, and some less predictable, problems in familiar work contexts
Problem Solving	Responds to some complex problems and implements logical solutions related to role in immediate work environment

Unit Mapping Information

Supersedes and is equivalent to ICPPRP325 Create graphics using a graphics application.

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 ICPPRP3250 Create graphics using graphics applications

Modification History

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

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:

- develop at least two graphics for cross-media publishing using a high-end application, incorporating the following features:
 - complex shapes
 - modified embedded images
 - variable templates.

In the course of the above, the candidate must follow work health and safety (WHS) requirements for working on a computer.

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:

- image formats
- enterprise workflow systems
- use of scripting languages
- text formatting and manipulation
- anti-aliasing
- shape drawing in graphics production software
- image manipulation
- factors that affect image quality
- design principles applied in graphics creation
- file formats required for export and transfer
- profiles
- considerations of colour management
- requirements of cross-media publishing

- work health and safety (WHS) requirements for working on a computer
- manufacturer manuals, work health and safety and enterprise 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 area of work.

This includes access to:

- computer
- current software applications used for graphics production.

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

Links

Companion Volume Implementation Guide is found on VETNet -

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