



Australian Government

ICPPRP333 Electronically combine complex images

Release: 1

ICPPRP333 Electronically combine complex images

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 undertake complex electronic combining of images. It requires the individual to assess and combine complex images, perform edits to ensure they conform to job specifications, solve technical problems and prepare the final output.

It applies to individuals working in a pre-press environment, who are required to be competent in more than one graphics application.

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 Assess and combine complex images	1.1 Components of complex images for reproduction are electronically evaluated for combining 1.2 Operations are planned for combining digital information from any electronic source to effect job specifications 1.3 Correct masking technique is used to combine the job economically 1.4 Combined images are manipulated, retouched and corrected electronically to conform to job specifications
2 Edit complex image	2.1 Images are retouched to conform to job specifications

ELEMENT	PERFORMANCE CRITERIA
	2.2 Images are contoured to conform to job specifications 2.3 Colour correction is undertaken to conform to job specifications 2.4 Tonal correction is undertaken to conform to job specifications
3 Solve technical combining problems	3.1 Technical problems relevant to combining images are resolved by reassessing elements for combining or amendment of the design 3.2 Complex images are combined with potential to be reproduced according to the job brief
4 Prepare information for output devices	4.1 Disk capacity is checked for space before final assembly 4.2 Limitations of system to achieve required output are assessed 4.3 Appropriate colour profiles are applied according to job specifications
5 Manage combining system	5.1 Electronic combining system is managed effectively to facilitate storage, retrieval and outputting of data 5.2 Combining software and files are maintained to ensure an operative system

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	1.2, 1.4, 2.1-2.4, 3.2, 4.3	Recognises and interprets text to establish job requirements from information contained within relevant procedures and specifications
Get the work done	1.1-1.4, 2.1-2.4, 3.1, 3.2, 4.1-4.3, 5.1, 5.2	- Takes responsibility for planning and organising own workload, identifying ways of sequencing and combining elements for greater efficiency - Responds to predictable problems and implements standard or logical solutions related to role in immediate work environment - Understands purposes, specific functions and key features of common digital systems and tools and operates them effectively to complete tasks

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICPPRP333 Electronically combine complex images	ICPPP333C Electronically combine complex images	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>

Assessment Requirements for ICPPRP333 Electronically combine complex images

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Performance Evidence

Evidence of the ability to:

- produce TWO jobs that combine and manipulate complex elements to be reproduced following job brief, and according to the listed performance criteria
- transfer underlying skill of combining across the design and pre-press sectors (it is important the substrate for reproduction is identified and competencies demonstrated with a clear identification of printing processes)
- find and use information relevant to the task from a variety of information sources.

Note: If a specific volume or frequency is not stated, then evidence must be provided at least once.

Knowledge Evidence

To complete the unit requirements safely and effectively, the individual must:

- explain why settings need to be varied to suit subsequent printing processes or electronic output
- list factors used in determining scan resolution
- outline limitations of a Charge-Coupled Device (CCD) scanner when compared to a Photo Multiplier scanner
- list factors involved in calibrating the monitor
- outline the process of converting from an Red Green Blue (RGB) colour model to a stet colour model
- explain meaning of Native format
- list characteristics of EPS and TIFF formats
- explain meaning of Raster Image Processing (RIP)
- explain the process of RIP calibration
- name two advantages of Open Prepress Interface (OPI)
- explain difference between a bitmapped and a vector image
- state purpose of calculation menu [or equivalent] in systems work

- outline specific limitations of digital cameras
- locate manuals, safety and other documentation relevant to this task and outline information included in these documents.

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 Pre-Press field of work and include access to special purpose tools, equipment and industry software packages.

Assessors must satisfy NVR/AQTF assessor requirements.

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