



Australian Government

ICPPRP331 Manually combine complex four-colour images

Release: 1

ICPPRP331 Manually combine complex four-colour 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 advanced manual combining of colour images.

It requires the individual to prepare images and equipment and to combine elements, separate colours and prepare registration and complex artwork for the next production stage.

It applies to individuals who work in consultation with others to ensure production and final user requirements have been met.

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 Plan combining strategy and prepare the work	1.1 Job components are gathered and checked according to job specifications 1.2 Dot shapes and percentages are checked according to job specifications 1.3 Correct masking technique is used to combine job economically 1.4 Screen rulings and angles are checked according to job specifications 1.5 Spotting techniques are performed accurately to achieve required combining effect 1.6 Exposures and processing equipment are set up to

ELEMENT	PERFORMANCE CRITERIA
	manufacturer's specifications 1.7 Stipples and vignettes are laid at correct angles and using correct percentages
2 Combine film	2.1 Spreads, chokes, reverses, deep etchings and line and tone combinations are created according to job specifications 2.2 Colours are separated correctly according to job specifications
3 Ensure accurate registration	3.1 Register marks, register punch holes, centre lines and trim lines are calculated and aligned accurately according to job specifications 3.2 All elements are registered accurately according to design specifications
4 Apply photographic contacting	4.1 Basic exposures for contact, duplication and spreads and chokes are determined 4.2 Contact frames for contact, duplication and spreads and chokes are used correctly

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	1.1, 1.2, 1.4, 1.6, 2.1, 2.2, 3.1, 3.2	Recognises and interprets text to establish job requirements from information contained within relevant procedures and specifications
Numeracy	1.4, 1.7, 3.1, 4.1	Selects and uses appropriate familiar mathematical problem-solving strategies to solve problems in familiar contexts
Get the work done	1.1-1.7, 2.1, 2.2, 3.1, 3.2, 4.1	- 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
ICPPRP331 Manually combine complex four-colour images	ICPPP331C Manually combine complex four-colour 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 ICPPRP331 Manually combine complex four-colour images

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Performance Evidence

Evidence of the ability to:

- prepare and assemble at least TWO layouts with a variety of selected image elements following the job brief; ensuring spreads, chokes, reverses, deep etchings and line and tone combinations meet the job specification; colours are separated correctly, all elements are registered accurately and contact, duplication and spreads and chokes have correct exposure
- transfer underlying skill of combining across safelight and roomlight environments (it is important 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 how choice of printing process affects combining strategy and settings
- outline steps required to produce combined image
- identify image elements unique to this job specification
- state criteria to ensure colour separated images meet job specification/printing process
- describe masking technique which ensures accuracy and economy
- outline equipment considerations essential for accuracy
- explain method of producing spreads and chokes (trapping)
- describe how basic exposure data for contacting and duplicating emulsions is determined
- list aids to ensure quality control
- name factors that ensure quality of output through a processor
- describe procedures that ensure accuracy of registration
- list factors that ensure screen elements are assembled correctly

- explain how the correct percentage of tints is ensured
- discuss how to ensure all job specifications are met
- explain the care that must be taken when matching to Pantone Matching System (PMS) colours
- outline content and state the location of manuals, safety and other documentation relevant to this task.

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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