



Australian Government

ICPPRP452 Output complex images direct to plate or press

Release: 1

ICPPRP452 Output complex images direct to plate or press

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 output complex images direct to plate or direct to press.

It requires the individual to set up and calibrate the output device, align, adjust and manipulate files, and output error-free data to plate or press according to the press and job requirements.

It applies to individuals who produce complex images for both plate and digital printing press and who work in the printing or graphic arts industries. Individuals generally work within defined procedures, respond to clearly defined briefs, and work under limited supervision.

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

Pre-requisite Unit

ICPPRP352	Output complex images
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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 Set up and maintain output device	1.1 Output device is set up to manufacturer's specifications and enterprise standards 1.2 Output device is calibrated for profiles, stock and ink types

ELEMENT	PERFORMANCE CRITERIA
	through use of calibration pages and densitometry 1.3 Calibration is evaluated regularly and necessary adjustments are made to output device
2 Adjust and manipulate images/files	2.1 Files on electronic media are evaluated as to suitability for output 2.2 Appropriate output resolution and data are set 2.3 Appropriate screen angle and dot type are set according to job specifications 2.4 Colour profiles appropriate to the job specifications are applied as required 2.5 Availability of high resolution images for Open Prepress Interface (OPI) process is assessed 2.6 Appropriate fonts are made available 2.7 All support files are included with the job
3 Output image	3.1 File is prepared for output to plate setter or digital printing press using industry designated software 3.2 If outputting to plate, plate material is selected according to press requirements and job specifications 3.3 If outputting to plate, plate size is selected according to press requirements 3.4 Image is positioned on plate/press with correct orientation for grip 3.5 Job queuing is managed to ensure efficient production 3.6 Images are outputted to appropriate medium 3.7 Output is processed according to job specifications
4 Evaluate result	4.1 Output is checked for correct dot size and screen angles 4.2 Image elements are checked according to original job specifications 4.3 Technical problems are solved and appropriate corrections are made 4.4 Job is prepared for next stage of production (eg. plates are processed)

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, 2.3, 2.4, 3.2, 3.7, 4.2	Recognises and interprets text to establish job requirements from information contained within relevant procedures and specifications
Numeracy	1.2, 2.4, 3.3	Uses mathematical processes to calibrate equipment for file formats and outputs
Navigate the world of work	1.1	Understands and follows policies and procedures associated with own role
Get the work done	1.1-1.3, 2.1-2.7, 3.1-3.7, 4.1-4.4	- Takes responsibility for planning and organising own workload and assembles required resources - Recognises and takes responsibility for addressing predictable, and some less predictable, problems in familiar work contexts - Utilises a broad range of features within applications, optimising software functions for specific purposes

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICPPRP452 Output complex images direct to plate or press	ICPPP452C Output complex images direct to plate or press	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 ICPPRP452 Output complex images direct to plate or press

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Performance Evidence

Evidence of the ability to:

- output TWO complex images direct to plate or press, and proof and check to ensure press requirements and job specifications are met
- 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:

- describe how printing process selection impacts output settings
- outline methods/procedures available for calibrating an output device
- list consequences of incorrect calibration
- explain how differences in stock affect calibration
- state how often calibration should be checked
- explain how to rectify files that do not transfer correctly
- list main points to be checked before sending a job to the Raster Image Processor (RIP)
- explain the relationship between screen ruling and selection of image resolution
- identify conditions that cause a variation from conventional screen angles
- outline checks needed while preparing a job for Open Prepress Interface (OPI)
- outline consequences for image quality if OPI files are not placed in their correct folders
- explain what the low resolution file does in the OPI process
- list main factors influencing processing speed of a job when being RIPped
- explain how RIPping speed of a job can be increased
- name setting changes required to the output device/software when outputting a Frequency Modulation (FM) screen
- outline factors that influence selection of the screen micron rating

- list main file formats and effects selection of a format has on processing of a job
- identify manuals, safety and other documentation relevant to this task, where they are kept, and information included in them.

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.

Links

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