



Australian Government

ICPPRN4960 Set up and produce complex digital print

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 set up and produce complex digitally printed product. This unit incorporates the use of raster image processor (RIP) technology when outputting to digital devices including wide format.

It applies to individuals who produce complex digitally printed products in the commercial print, pre-press, bureau, high-end digital print or a combination of these business environments.

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

Pre-requisite Unit

ICPPRN3840 Set up and produce basic digital print

Unit Sector

Printing

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. Liaise with clients	1.1 Perform productivity analysis on a digital print system 1.2 Communicate print services, quality expectations and print costings to clients according to enterprise procedures 1.3 Present productivity advantages and disadvantages of different digital print options to clients according to enterprise procedures 1.4 Provide advice to clients substrates and document finishing methods for digital print jobs according to client budget and job

ELEMENT	PERFORMANCE CRITERIA
	specifications
2. Confirm job specifications	2.1 Identify job specifications 2.2 Confirm availability of all job components 2.3 Confirm finishing requirements of job and coordinate with designated personnel 2.4 Determine run and completion time of job according to production demands
3. Set up and maintain digital print system	3.1 Load substrate and specify substrate properties in the user control interface 3.2 Set up delivery unit and adjust minor in-line and on-line processes 3.3 Identify and report problems in digital print system according to enterprise procedures 3.4 Carry out adjustments and corrections as required according to manufacturer specifications and within scope of own role
4. Use complex features of processor	4.1 Adjust colour according to image quality requirements 4.2 Select output profiles 4.3 Select imposition method according to use of stock 4.4 Adjust screen ruling, overprints and trapping 4.5 Set up finishing options
5. Conduct proof run	5.1 Operate digital print system according to manufacturer specifications and enterprise procedures to produce specified proof 5.2 Inspect and test sample as required according to enterprise procedures 5.3 Seek client approval and authority prior to the production run as required 5.4 Interpret results and make adjustments according to product and machine specifications as required
6. Run digital print job press print run	6.1 Determine start and duration time for print run according to production schedules, job specifications and enterprise procedures 6.2 Estimate completion time for the print run and communicate to the client and colleagues according to enterprise procedures 6.3 Conduct digital print run according to job specifications and manufacturer specifications 6.4 Monitor quality throughout the duration of the print job and

ELEMENT	PERFORMANCE CRITERIA
	make adjustments as required

Foundation Skills

This section describes language, literacy, numeracy and employment skills incorporated in the performance criteria that are required for competent performance.

Skill	Description
Reading	Comprehends and analyses information from a range of sources including instructions, procedures, specifications and reference material
Writing	Completes required workplace documents considering context, purpose and audience when preparing texts
Numeracy	Interprets and analyses mathematical information to estimate timeframes
Self-management	Follows enterprise procedures relevant to own role
Teamwork	- Identifies what to communicate, with whom and how, in routine work situations - Collaborates and cooperates with others to achieve joint outcomes
Planning and organising	Takes responsibility for planning and organising own workload, identifying ways of sequencing and combining elements for greater efficiency and assembles required resources
Problem solving	Responds intuitively to problems in familiar contexts, quickly drawing on past experience to devise solutions
Technology	Fully utilises features of digital tools to complete complex tasks

Unit Mapping Information

Supersedes and is equivalent to ICPPRN496 Set up and produce complex digital print.

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 ICPPRN4960 Set up and produce complex digital print

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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 this unit, including evidence of the ability to:

- set up and print four complex colour digital printing jobs according to manufacturer specifications and enterprise procedures.

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:

- enterprise procedures, manufacturer specifications, and work health and safety (WHS) requirements for:
 - setting up and operating delivery and in-line units in a reel system
 - handling substrate materials
- factors affecting decision-making about a particular printing solution (run length, substrate type and application)
- cost, quality and turnaround time differences between a specified job printed on a digital system and traditional systems
- required print methods for the specified job
- the maintenance required on a digital printing system prior to production
- measures to ensure clients have the required procedures for providing electronic files
- the main differences between digital printing and traditional printing methods
- recommendations for clients who have created an electronic file in an incompatible software application
- suggestions available for clients who require a high-volume print run but need a portion of the print job immediately
- methods of calculating run and completion times
- steps for client approval of a proof
- circumstances in which a job would be modified before printing
- processes involved for client approval of the print and final approval of a basic job

- proof checking procedures
- adjustments required to solve colour, toner/ink coverage or density problems
- the need for using required output profiles
- screen ruling shapes and sizes
- imposition method selection criteria
- various types of binding
- advantages and disadvantages of various binding methods
- procedures to follow if the binding method required by the client is not available at the workplace
- alternative options if document size is too thick to staple
- the purpose of packing finished print work
- enterprise escalation procedures and required personnel
- manufacturer manuals, enterprise procedures and work health and safety documentation, including their location and purpose.

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 printing field of work and include access to:

- digital print systems
- special purpose tools, equipment and materials.

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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