Australian Government

ICPPRN3840 Set up and produce basic 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 for and produce basic digitally printed product incorporating the use of raster image processor (RIP) technology when outputting to digital devices including wide format.

It applies to individuals working as print machinists in the printing and graphic arts industry who may set up, operate and monitor equipment and machinery and who may have to prepare material and apply solutions to problems. They may also provide leadership and guidance to others with some limited responsibility for the output of others.

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

Unit Sector

Printing

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
Elements describe the essential outcomes.	*Performance criteria describe the performance needed to demonstrate achievement of the element.*
1. Check components and functions of digital print system	1.1 Check user-replaceable consumables and replacement as required
	1.2 Check substrate feeding mechanisms and transport units and clear of misfeeds as required
	1.3 Complete set up for data and electrical power
	1.4 Perform shutdown and restart procedures according to manufacturer specifications
	1.5 Install and set up required print driver and job download software

ELEMENT	PERFORMANCE CRITERIA
2. Perform digital printing system maintenance	2.1 Perform routine maintenance tasks according to manufacturer specifications and work health and safety (WHS) requirements
	2.2 Clean substrate transport and inking systems
	2.3 Check temperature and humidity conditions and substrate registration mechanisms
	2.4 Perform ink density calibration
	2.5 Implement basic maintenance solutions to minimise ink residue, substrate misfeed, paper particle dust, uncalibrated systems and ink coverage
3. Undertake substrate handling procedures	3.1 Develop and maintain paper handling and storage system for digital print environment according to requirements for substrate integrity and digital image quality
	3.2 Check machine status, review print counters and consumable levels and estimate time requirements for reordering, servicing and reporting purpose
4. Confirm job specifications	4.1 Identify job specifications
	4.2 Confirm availability of all job components
	4.3 Check finishing requirements and coordinate internal workflow and outsource arrangements according to enterprise procedures
	4.4 Calculate run time and completion time of job
5. Set up reel system	5.1 Adjust unwind reel
	5.2 Set up and adjust rewind reel
	5.3 Set up and adjust minor in-line processes
6. Set up sheet transportation system on sheet-fed machine	6.1 Load substrate into feeding mechanism and specify substrate properties in the user control interface
	6.2 Identify and make adjustments to the delivery unit using the user control interface
	6.3 Adjust on-line finishing unit using the user control interface
7. Use processor to set up job	7.1 Locate and retrieve electronic data files
	7.2 Set processor parameters according to job specifications
	7.3 Perform required preview and preflight checks of electronic data files
	7.4 Apply basic troubleshooting methods to identify and rectify unverified data files, file errors and job requirement

ELEMENT	PERFORMANCE CRITERIA
	inconsistencies according to manufacturer specifications
8. Submit data files to digital print machine	8.1 Determine job priority according to job specifications and production schedules
	8.2 Submit data file to print and image quality, and perform machine productivity checks
9. Produce digital proof and run digital print job	9.1 Conduct proof run and confirm proof conforms to job specifications and client requirements according to enterprise procedures
	9.2 Conduct print run is according to job specifications
	9.3 Monitor quality throughout print job and make adjustments as required
10. Perform document finishing	10.1 Identify and perform required document finishing
	10.2 Package finished print according to delivery requirements

Foundation Skills

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

Skill	Description
Writing	• Enters routine data associated with production processes and enterprise procedures
Numeracy	• Interprets and analyses a range of mathematical information used in familiar and routine tasks
Self-management	• Identifies and follows explicit and implicit protocols and meets expectations associated with own role, taking some responsibility for decisions regarding when and how to complete tasks, co-ordinate with, or delegate to others • Complies with work health and safety and enterprise procedures relevant to own role
Teamwork	• Cooperates with others as part of familiar routine activities, and contributes to specific activities requiring joint responsibility and accountability • Identifies what to communicate, with whom and how, in routine work situations
Planning and	• Determines priorities and sequences steps involved in clearly defined, familiar tasks

organising	
Problem solving	• Responds to predictable problems and implements standard or logical solutions related to role in immediate work environment
Technology	• Follows routine procedures for using digital technology by reading data from electronic monitoring and control systems

Unit Mapping Information

Supersedes and is equivalent to ICPPRN384 Set up and produce basic digital print.

Links

Companion Volume Implementation Guide is found on VETNet - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a74b7a0f-a253-47e3-8be0-5d426e24131d