



Australian Government

ICPPRN451 Set up for complex relief printing

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 1.0.

Application

This unit describes the skills and knowledge required to set up reel – sheet-fed platen, cylinder or rotary printing machines for non-routine relief printing jobs.

It applies to skilled individuals working as a print machinist in the printing and graphic arts industry who may prepare material, setup, monitor and operate equipment and machinery, analyse and evaluate information applying solutions to a defined range of problems and who 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
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Confirm non-routine job specifications	1.1 Job requirements are read and interpreted from job documentation or production control system 1.2 Set up is planned and carried out correctly in minimum time with minimum waste 1.3 Availability of all job related components is checked
2. Set up delivery systems	2.1 Delivery systems are set up and adjusted according to job specifications 2.2 Substrate is added to and removed from process according to

ELEMENT	PERFORMANCE CRITERIA
	job specifications
3. Select and prepare inks and additives	3.1 Inks, dyes or additives are selected according to job specifications and end-user requirements 3.2 Quality and suitability of inks, dyes or additives are checked and appropriate action is taken 3.3 Inks, dyes and additives are prepared according to work health and safety (WHS) requirements, and manufacturer's/supplier's instructions with suitable precautions to minimise waste 3.4 Correct colour and weight/volume of ink are mixed and prepared to match the requirements of the printing process and job specifications 3.5 Formulation of the ink, colour match and the approved colour are appropriately recorded 3.6 Inks, dyes and additives are appropriately labelled, handled and stored according to manufacturer's/supplier's instructions to prevent damage and hazards to personnel and prolong shelf life
4. Set up machine for complex relief printing	4.1 Appropriate relief plates are selected and secured to the machine 4.2 Relief polymer plates/forme are set up and adjusted according to job specifications (platen) 4.3 Relief polymer cylinders are set up and adjusted according to job specifications (platen) 4.4 Impression is set up and adjusted according to job specifications (platen and rotary) 4.5 Inking system is set up and adjusted according to the relief process and job specifications (platen and rotary) 4.6 Drying system is set up and adjusted according to job specifications
5. Conduct proof run	5.1 Material to be used for proof is organised correctly 5.2 Machine is operated according to manufacturer's and enterprise procedures to produce a specified proof 5.3 Proof is visually inspected and/or tested or laboratory testing organised according to enterprise procedures 5.4 Production does not commence without client or relevant authority approval where appropriate 5.5 Results are interpreted and adjustment changes are carried out according to product and machine specifications

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, 3.1, 3.3, 3.4, 3.6, 54.2-4.6, 65.5	Recognises and interprets text to establish the job requirements from information contained within relevant instructions, procedures and specifications
Writing	3.5, 3.6, 56.4	Completes records and labels accurately and according to workplace requirements
Oral communication	5.4	Participates effectively in spoken interactions using appropriate vocabulary, questioning and listening techniques to gain approvals
Numeracy	3.4, 65.5	Uses simple mathematical calculations to select weight and volume of ink and ensure optimum output
Navigate the world of work	3.3, 3.5, 3.6, 5.2-5.4	Complies with legislative requirements and follows organisational policies and procedures relevant to own role
Interact with others	5.4	Follows accepted communication practices and protocols when seeking approval
Get the work done	1.1-1.3, 3.1-3.6, 4.1-4.6, 5.1-5.3, 5.5	- Determines priorities and sequences the steps involved in clearly defined, familiar tasks and identifies and assembles the resources required - Responds to predictable problems and implements standard or logical solutions related to the role in the immediate work environment - Reads data from electronic monitoring and control systems

Range of Conditions

This section specifies different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

Delivery systems MUST include	Reel
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EITHER:	OR
	• Sheet
Setting up and adjusting MUST include EITHER:	• Unwind and rewind reels • Webbing procedures and web control system • Splicing/joining reels • Printed web viewing devices • Folder and sheeter • Set off/marketing prevention devices OR • Feeder and delivery systems • Sheet pick-up and transportation systems • Transfer and control systems • Set off/marketing prevention devices

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICPPRN451 Set up for complex relief printing	ICPPR451C Set up for complex relief printing	Updated to meet Standards for Training Packages	Equivalent unit

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=a74b7a0f-a253-47e3-8be0-5d426e24131d>