



Australian Government

ICPPRN3310 Set up for basic lithographic 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 4.0.

Application

This unit describes the skills and knowledge required to set up basic lithographic printing sheet-fed and web-fed machines, including small offset for routine print jobs.

It applies to individuals working under direct supervision, who prepare material, monitor and run equipment and machinery and maintain the production process.

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. Prepare for job	1.1 Identify job requirements 1.2 Set up required printing machinery according to manufacturer specifications and work health and safety (WHS) requirements 1.3 Confirm availability of all job components 1.4 Set up and adjust delivery systems 1.5 Add substrate to and remove substrate from process according to job specifications
2. Select and prepare inks and additives (basic)	2.1 Select inks, dyes and additives required according to job specifications and end-user requirements and confirm they meet quality requirements 2.2 Prepare inks, dyes and additives according to manufacturer

ELEMENT	PERFORMANCE CRITERIA
	specifications 2.3 Mix and prepare colour and volume of ink to match requirements of the printing process and job specifications 2.4 Approve and record formulation of ink, colour match and approved 2.5 Label, handle and store inks, dyes and additives according to manufacturer specifications
3. Set up machine for basic offset lithographic printing	3.1 Set up and adjust plate cylinder and select and install lithographic plates 3.2 Prepare and adjust blanket and blanket cylinder 3.3 Prepare and adjust impression cylinder 3.4 Set up and adjust inking system 3.5 Set up and adjust dampening system
4. Conduct proof run	4.1 Operate machine according to manufacturer specifications and enterprise procedures to produce specified proof 4.2 Inspect and test proof as required according to enterprise procedures 4.3 Seek client approval and authority prior to the production run as required 4.4 Interpret results and make adjustments according to product and machine specifications 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
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 - Complies with WHS 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 organising	• Organises own workload under supervision, identifying ways of sequencing and combining elements for greater efficiency • Plans, identifies and assembles resources required to complete tasks
Problem solving	• Responds to predictable problems and implements standard or logical solutions
Technology	• Follows routine procedures for using digital technology by reading 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 either:	• reel or • sheet
Setting up and adjusting must include either:	• unwind and rewind reels • webbing procedures and web control systems • splicing reels • folder and sheeter or • feeder and delivery • registration systems • sheet pick-up and transportation, control and transfer systems

Unit Mapping Information

Supersedes and is equivalent to ICPPRN331 Set up for basic lithographic printing.

Links

Companion Volume Implementation Guide is found on VETNet -

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