



Australian Government

ICPPRN331 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 1.0.

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. Confirm job specifications	1.1 Job requirements are read and interpreted from job documentation or production control system 1.2 Standard set-up is carried out correctly in minimum time with minimum wastage 1.3 Availability of all job-related components are 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 the process according to job specifications
3. Select and prepare inks and additives (basic)	3.1 Inks, dyes or additives are checked and appropriate action is taken for end-user requirements

ELEMENT	PERFORMANCE CRITERIA
	<p>3.2 Quality and suitability of inks, dyes or additives are selected according to job specifications and end-user requirements</p> <p>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 taken to minimise waste</p> <p>3.4 Correct colour and weight/volume of ink are mixed and prepared to match requirements of the printing process and job specifications</p> <p>3.5 Formulation of ink, colour match and approved colour are appropriately recorded</p> <p>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</p>
4. Set up machine for basic offset lithographic printing	<p>4.1 Plate cylinder is set up and adjusted and lithographic plates are selected and installed according to job specifications</p> <p>4.2 Blanket and blanket cylinder are set up and adjusted according to job specifications</p> <p>4.3 Impression cylinder is set up and adjusted according to job specifications</p> <p>4.4 Inking system is set up and adjusted according to the lithographic process and job specifications</p> <p>4.5 Dampening system is set up and adjusted according to job specifications</p>
5. Conduct ok print run	<p>5.1 Material to be used for proof ok sheet/section is organised correctly</p> <p>5.2 Machine is operated according to manufacturer's and enterprise procedures to produce a specified proof ok/section</p> <p>5.3 Ok/section is visually inspected and/or tested or laboratory testing organised according to enterprise procedures</p> <p>5.4 Production does not commence without client OK or authority where appropriate</p> <p>5.5 If necessary, results are interpreted and adjustment are carried out according to product and machine specifications</p>

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, 4.1-4.5, 5.5	<ul style="list-style-type: none"> Recognises and interprets text to establish job requirements from information contained within relevant procedures and specifications
Writing	3.5, 5.4	<ul style="list-style-type: none"> Enters routine data associated with production processes and enterprise procedures
Oral Communication	4.1-4.5, 5.3-5.5	<ul style="list-style-type: none"> Participates effectively in spoken interactions by using strategies to confirm, clarify or repair understanding
Numeracy	3.4	<ul style="list-style-type: none"> Interprets and analyses a range of mathematical information used in familiar and routine tasks
Navigate the world of work	1.1, 1.2, 3.1-3.4, 3.6, 4.1-4.5, 5.2-5.5	<ul style="list-style-type: none"> Recognises and follows explicit and implicit protocols and meets expectations associated with own role Complies with WHS, legislative requirements and follows organisational policies and procedures relevant to own role
Interact with others	3.1, 3.3, 3.4, 3.6, 4.1-4.5, 5.3-5.5	<ul style="list-style-type: none"> Cooperates with others as part of familiar routine activities, and contributes to specific activities requiring joint responsibility and accountability Understands what to communicate, with whom and how, in routine work situations
Get the work done	1.2, 1.3, 3.1-3.4, 3.6, 4.1-4.5, 5.1, 5.2, 5.5	<ul style="list-style-type: none"> Takes responsibility for planning and organising own workload, identifying ways of sequencing and combining elements for greater efficiency Plans, identifies and assembles resources required to complete tasks Responds to predictable problems and implements standard or logical solutions 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:	<ul style="list-style-type: none"> • reel OR <ul style="list-style-type: none"> • sheet
Setting up and adjusting MUST include EITHER:	<ul style="list-style-type: none"> • unwind and rewind reels • webbing procedures and web control systems • splicing reels • folder and sheeter OR <ul style="list-style-type: none"> • feeder and delivery • registration systems • sheet pick-up and transportation, control and transfer systems

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICPPRN331 Set up for basic lithographic printing	ICPPRN331C Set up for basic lithographic 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>