



Australian Government

ICPPRN3320 Produce complex lithographic printed product

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 produce complex lithographic printed product, ensuring an efficient non-routine production flow that maintains product quality standards.

It applies to individuals who work under direct supervision and have some responsibility in ensuring production process is maintained by anticipating production problems and monitoring equipment and machinery.

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. Maintain non-routine operation of delivery system	1.1 Monitor and adjust delivery systems according to work health and safety (WHS) requirements 1.2 Add substrate to and remove substrate from the process according to job specifications
2. Maintain complex lithographic printing process	2.1 Review and adjust non-routine lithographic plate and plate cylinder condition 2.2 Review and adjust non-routine lithographic blanket and blanket cylinder condition 2.3 Review and adjust non-routine lithographic impression cylinder

ELEMENT	PERFORMANCE CRITERIA
	condition 2.4 Check and maintain non-routine lithographic inking system 2.5 Monitor and adjust non-routine lithographic dampening system 2.6 Monitor and adjust set off and marking prevention, and drying systems
3. Maintain production process	3.1 Use machine controls as required 3.2 Review and verify performance using the process control system 3.3 Check and adjust ink performance, colour, register and position 3.4 Report process adjustments to eliminate problems according to enterprise procedures
4. Identify and rectify lithographic machine operating problem	4.1 Identify and report problems in machine operation according to enterprise procedures 4.2 Carry out adjustments or corrections according to specified procedures, and within scope of own role 4.3 Verify repairs and adjustments as required prior to resumption of operations
5. Conduct shutdown of production process	5.1 Follow shutdown sequence according to manufacturer specifications and enterprise procedures 5.2 Label and store unused ink and embellishment equipment according to manufacturer specifications and enterprise procedures 5.3 Remove solid and liquid waste from operating area and recycle and dispose of, as required, according to regulatory requirements and enterprise procedures 5.4 Clean and disengage all required parts of machinery used in printing process according to manufacturer specifications and enterprise procedures 5.5 Complete required production records and enterprise documentation

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 that is used in familiar and routine tasks
Self-management	- Recognises and follows explicit and implicit protocols and meets expectations associated with own role - Recognises and follows all procedures for cleaning and maintenance of equipment, incorporating regulatory requirements and enterprise procedures
Teamwork	- 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
Planning and organising	Determines priorities and sequences steps involved in clearly defined, familiar tasks
Problem solving	Recognises and anticipates an increasing range of familiar problems, their symptoms and causes, actively looking for early warning signs and implementing contingency plans
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
Monitoring and adjusting must include either:	- reel stand and rewind sections - web control system - sheeting section - set off / marking prevention systems or - feeder and delivery systems

	• sheet pick-up and transportation system • transfer systems • set/ off/markings prevention system
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Unit Mapping Information

Supersedes and is equivalent to ICPPRN332 Produce complex lithographic printed product.

Links

Companion Volume Implementation Guide is found on VETNet -

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