



**Australian Government**

# **ICPPRN432 Produce specialised lithographic printed product**

**Release: 1**

## ICPPRN432 Produce specialised lithographic printed product

### 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 operate a lithographic press, ensuring an efficient, specialised production flow that maintains product quality standards. Any production problems are anticipated and rectified with minimum downtime. The machine is correctly shut down and cleaned according to work health and safety (WHS) guidelines.

It applies to individuals working as print machinists in the printing and graphic arts industry. They prepare material, set up, monitor and operate equipment and machinery, apply solutions to a defined range of problems associated with the print medium, and analyse and evaluate information from a variety of sources. 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
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Maintain specialised lithographic printing process	<p>1.1 Lithographic plate and plate cylinder conditions are monitored, evaluated and adjusted to ensure quality of specialised printed product meets the sample sheet standard</p> <p>1.2 Lithographic blanket and blanket cylinder conditions are monitored, evaluated and adjusted to ensure quality of specialised printed product meets the sample sheet standard</p> <p>1.3 Lithographic impression cylinder condition is monitored, evaluated and adjusted to ensure quality of specialised printed</p>

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	<p>product meets the sample sheet standard</p> <p>1.4 Lithographic inking system is checked and maintained to ensure quality of specialised printed product meets the sample sheet standard</p> <p>1.5 Lithographic dampening system condition is monitored, evaluated and adjusted to ensure quality of specialised printed product meets the sample sheet standard</p> <p>1.6 Set off / marking prevention and drying system is monitored, evaluated and adjusted to ensure quality of specialised printed product meets the sample sheet standard</p> <p>1.7 Drying systems are monitored, evaluated and adjusted to ensure quality of specialised printed product meets the approved proof standard</p>
2. Maintain specialised production process	<p>2.1 Production process is operated in association with fellow workers and according to enterprise procedures and planned daily schedule</p> <p>2.2 Production is maintained according to WHS requirements, manufacturer's specifications and enterprise procedures</p> <p>2.3 Manual and/or automatic control is used according to job specifications</p> <p>2.4 Performance is monitored, evaluated and verified using the process control system according to enterprise procedures</p> <p>2.5 Ink performance, colour, register and position of print are monitored, evaluated and adjusted throughout production run</p> <p>2.6 Production difficulties are anticipated and preventive action is taken to prevent occurrence by timely intervention</p> <p>2.7 Process adjustments to eliminate problems are reported according to enterprise procedures</p> <p>2.8 Faulty performance of equipment is identified and reported according to enterprise procedures</p> <p>2.9 Waste is sorted according to enterprise procedures</p>
3. Tune and adjust machinery	<p>3.1 Idiosyncrasies of machines are reviewed and adjustments or tuning undertaken to compensate, or to exploit the idiosyncrasy, within manufacturer's specifications</p> <p>3.2 Options are assessed to determine most effective/efficient method of production, ensuring highest quality and yield from machinery</p> <p>3.3 Test run confirms correct options and settings or need for</p>

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	<p>further adjustment or tuning to meet quality standards</p> <p>3.4 Options and recommendations are documented for future reference according to enterprise procedures</p> <p>3.5 Instruction on new practices is provided to machine operator or finisher, if required</p>
4. Troubleshoot machinery and material problems	<p>4.1 Corrective or preventive action is recommended and implemented where appropriate</p> <p>4.2 Changes are communicated to relevant personnel in a logical and easily understood manner</p> <p>4.3 Changes are monitored to confirm improvement to production efficiency</p> <p>4.4 Ongoing problems are reported according to enterprise procedures</p>
5. Conduct shutdown of production process	<p>5.1 Correct shutdown sequence is followed according to manufacturer's specifications and enterprise procedures</p> <p>5.2 Plate cylinder is set up and adjusted according to job specifications</p> <p>5.3 Unused ink is correctly labelled and stored according to manufacturer's/supplier's specifications and enterprise procedures</p> <p>5.4 Solid and liquid waste is removed from operating area and recycled or disposed of, where required, according to regulatory requirements and enterprise procedures</p> <p>5.5 All product is removed from operating area</p> <p>5.6 Machine faults requiring repair are identified and reported to designated person according to enterprise procedures</p> <p>5.7 Repair/adjustment is verified prior to resumption of operations</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	2.2, 2.3, 3.1, 5.1-5.3	<ul style="list-style-type: none"> <li>Recognises and interprets text to establish job requirements from information contained within</li> </ul>

		relevant procedures and specifications
Writing	2.7, 2.8, 3.1, 3.4, 4.4, 5.3, 5.6, 5.7	<ul style="list-style-type: none"> <li>Completes records, forms and other documents accurately and according to workplace requirements</li> </ul>
Oral Communication	2.1, 2.7, 2.8, 4.1, 4.2, 4.4, 5.6, 5.7	<ul style="list-style-type: none"> <li>Participates effectively in discussions using appropriate vocabulary, questioning and listening skills</li> </ul>
Navigate the world of work	2.1, 2.2, 2.4, 2.7-2.9, 3.4, 4.4, 5.1, 5.3, 5.4, 5.6	<ul style="list-style-type: none"> <li>Works independently and collectively within broad parameters, with a strong sense of responsibility and ownership of goals, plans, decisions and outcomes, as well as recognising and following explicit and implicit protocols</li> <li>Complies with WHS, legislative requirements and follows organisational policies and procedures relevant to own role</li> </ul>
Interact with others	2.1, 2.7, 2.8, 3.5, 4.1, 4.2, 4.4, 5.6, 5.7	<ul style="list-style-type: none"> <li>Collaborates and cooperates with others to achieve joint outcomes</li> <li>Contributes to work group discussions using accepted conventions</li> </ul>
Get the work done	1.1-1.7, 2.1-2.6, 2.8, 2.9, 3.1, 3.4, 3.5, 4.1-4.4, 5.1-5.7	<ul style="list-style-type: none"> <li>Determines priorities and sequences steps involved in clearly defined, familiar tasks and identifies and assembles required resources</li> <li>Makes rapid decisions when required, drawing on in-depth understanding of a situation and decision-making experience</li> <li>Responds to predictable problems and implements standard or logical solutions related to role in immediate work environment</li> <li>Reads data from electronic monitoring and control systems</li> </ul>

## Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICPPRN432 Produce specialised lithographic printed product	ICPPR432C Produce specialised lithographic printed product	Updated to meet Standards for Training Packages	Equivalent unit

## Links

Companion Volume implementation guides are found in VETNet -

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