



Australian Government

ICPPRN394 Produce complex relief 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 1.0.

Application

This unit describes the skills and knowledge required to safely operate, monitor and clean a platen, cylinder or rotary printing machine using an efficient non-routine production flow.

It applies to skilled individuals working as print machinists in the printing and graphic arts industry who set up, operate and monitor equipment and machinery, and who may have to prepare material and apply solutions to problems. 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 non-routine operation of reel system	<p>1.1 Reel stand and rewind section are monitored and adjusted to maintain correct tension, avoid marks, blemishes or damage to finished product, and to ensure efficient continuous operation</p> <p>1.2 Web control system is monitored and adjusted to ensure correct tension and accurate continuous positioning of the web for efficient operation</p> <p>1.3 Substrate is added to and removed from the process according to job instructions</p> <p>1.4 Sheeting section is monitored and adjusted to ensure quality and efficient product delivery</p>

ELEMENT	PERFORMANCE CRITERIA
	1.5 Set-off / marking prevention system is monitored and adjusted to ensure quality of the printed product meets the approved proof standard
2. Maintain operation of sheet system	<p>2.1 Feeder and delivery are monitored and adjusted to ensure continuous and efficient feed to machine</p> <p>2.2 Sheet pick-up and transport system is monitored and adjusted to ensure accurate and continuous sheet handling and efficient operation</p> <p>2.3 Transfer systems are monitored and adjusted to ensure correct and continuous sheet handling and efficient operation</p> <p>2.4 Substrate is added to and removed from process according to job instructions</p>
3. Maintain complex relief printing process	<p>3.1 Relief polymer forme or plate cylinder condition is monitored and adjusted to ensure quality of the printed product meets the sample sheet standard</p> <p>3.2 Relief polymer impression surface condition is monitored and adjusted to ensure quality of the printed product meets the sample sheet standard</p> <p>3.3 Relief polymer inking system is monitored and adjusted to ensure quality of the printed product meets the sample sheet standard</p> <p>3.4 Drying systems are monitored and adjusted to ensure quality of the printed product meets the approved proof standard</p>
4. Maintain production process	<p>4.1 Production process is operated in association with fellow workers and according to company specifications and planned daily schedule</p> <p>4.2 In-line printing/converting/binding/finishing processes are monitored and adjusted to ensure quality of the product meets the approved proof standard</p> <p>4.3 Production is maintained within work health and safety (WHS) requirements and company and manufacturer's specifications</p> <p>4.4 Manual and/or automatic control is used according to specification</p> <p>4.5 Performance is monitored and verified using the process control system according to enterprise procedures</p> <p>4.6 Ink performance, colour, register and embellishment of print are monitored and adjusted throughout production run</p> <p>4.7 Production difficulties are anticipated and preventive action is</p>

ELEMENT	PERFORMANCE CRITERIA
	<p>taken to prevent occurrence by timely intervention</p> <p>4.8 Process adjustments to eliminate problems are reported according to enterprise procedures</p> <p>4.9 Faulty performance of equipment is identified and reported according to enterprise procedures</p> <p>4.10 Waste is sorted according to enterprise procedures</p>
5. Identify and rectify problems	<p>5.1 Problems in relief machine operation are identified and reported according to enterprise procedures</p> <p>5.2 Faulty performance of equipment is identified and reported according to enterprise procedures</p> <p>5.3 Adjustments or corrections are carried out according to specified procedures</p> <p>5.4 Relief machine operation is checked to ensure correct operation</p>
6. Conduct shutdown of production process	<p>6.1 Correct shutdown sequence is followed according to manufacturer's specifications and enterprise procedures</p> <p>6.2 Shutdown is conducted in association with fellow workers and in compliance with WHS requirements</p> <p>6.3 Unused ink is correctly labelled and stored according to manufacturer's/supplier's specifications and enterprise procedures</p> <p>6.4 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>6.5 Machine faults requiring repair are identified and reported to designated person according to enterprise procedures</p> <p>6.6 Repair/adjustment is verified prior to resumption of operations</p>
7. Clean and wash up printing machine at end of print run	<p>7.1 Cylinders, plate and roller surfaces are cleaned ready for next run</p> <p>7.2 Inking system is washed ready for next run, and liquid waste is disposed of according to company and regulatory requirements</p> <p>7.3 In-line printing/converting/binding/finishing units are cleaned ready for next run</p> <p>7.4 Reel feed, transportation and delivery systems are disengaged and cleaned ready for next run</p> <p>7.5 Sheet feed, transport and delivery systems are disengaged and cleaned ready for next run</p> <p>7.6 Production records or other documentation are accurately</p>

ELEMENT	PERFORMANCE CRITERIA
	completed where required by enterprise procedures

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	1.3, 2.4, 4.1, 4.3, 4.4, 6.1, 6.3	<ul style="list-style-type: none"> Recognises and interprets text to establish job requirements from information contained within relevant procedures and specifications
Writing	4.8, 4.9, 5.1, 5.2, 6.3, 6.5, 6.6, 7.6	<ul style="list-style-type: none"> Enters routine data associated with production processes and enterprise procedures
Oral Communication	1.3, 4.1, 4.3, 4.4, 4.8, 4.9, 5.1, 5.2, 6.1-6.3, 6.5, 6.6	<ul style="list-style-type: none"> Speaks clearly using appropriate vocabulary, tone and pace to report faults and discrepancies
Numeracy	1.3, 2.4	<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	1.4, 1.5, 2.1-2.4, 3.1-3.4, 4.1-4.10, 5.1-5.4, 6.1-6.5, 7.1-7.6	<ul style="list-style-type: none"> 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
Interact with others	1.3, 4.1, 4.3, 4.4, 4.8, 4.9, 5.1, 5.2, 6.1-6.3, 6.5, 6.6	<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	1.1-1.5, 2.1-2.4, 3.1-3.4, 4.1-4.10, 5.1-5.4, 6.1-6.6, 7.1-7.5	<ul style="list-style-type: none"> Determines priorities and sequences steps involved in clearly defined, familiar tasks Recognises and anticipates an increasing range of familiar problems, their symptoms and causes, actively looking for early warning signs and implementing contingency plans Follows routine procedures for using digital technology by reading data from electronic monitoring and control systems

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICPPRN394 Produce complex relief printed product	ICPPR394A Produce complex relief printed product	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>