



Australian Government

ICPPRN314 Produce complex flexographic 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 set up machines for non-routine flexographic printing.

It applies to individuals who work as print machinists who prepare material, and monitor and run equipment and machinery and apply solutions to printing difficulties as they arise.

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 transportation system	1.1 Reel stand is monitored and adjusted to ensure efficient, continuous operation 1.2 Web control system is monitored and adjusted to ensure correct tension and accurate continuous web positioning for efficient operation 1.3 Substrate is added to process according to job instructions
2. Maintain non-routine operation of reel delivery system on web-fed machine	2.1 Reel rewind section is monitored and adjusted to maintain correct tension and avoid marks, blemishes or damage to finished product 2.2 Substrate is removed from process according to non-routine job instructions

ELEMENT	PERFORMANCE CRITERIA
	<p>2.3 Sheetting section is monitored and adjusted to ensure quality and efficient product delivery</p> <p>2.4 Set-off / marking prevention system is monitored and adjusted to ensure quality of printed product without set-off or marking meets the approved proof standard</p>
3. Maintain complex flexographic printing process	<p>3.1 Flexographic plate and plate cylinder or sleeve condition is monitored and adjusted to ensure quality of printed product meets the approved proof standard</p> <p>3.2 Flexographic impression roller condition is monitored to ensure the quality of printed product meets the approved proof standard</p> <p>3.3 Flexographic inking system and doctor blade condition are monitored and adjusted to ensure quality of printed product meets the approved proof standard</p> <p>3.4 Drying systems are monitored and adjusted to ensure quality of printed product meets the approved proof standard</p> <p>3.5 In-line printing/convertng/binding/finishing processes are monitored and adjusted to ensure quality of product meets the approved proof standard</p>
4. Maintain non-routine 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 Production is maintained within work health and safety (WHS) requirements and company and manufacturer's specifications</p> <p>4.3 Automatic control is used as per specification</p> <p>4.4 Manual control is used as per specification</p> <p>4.5 Ink performance, colour, register and position of print are monitored and adjusted throughout production run</p> <p>4.6 Production difficulties are anticipated and preventive action is taken to prevent occurrence by timely intervention</p> <p>4.7 Process adjustments to eliminate problems are reported according to enterprise procedures</p> <p>4.8 Faulty performance of equipment is identified and reported according to enterprise procedures</p> <p>4.9 Waste is sorted according to enterprise procedures</p>
5. Identify and rectify faults	5.1 Problems in flexographic machine are identified and reported according to enterprise procedures

ELEMENT	PERFORMANCE CRITERIA
	<p>5.2 Adjustments or corrections are carried out according to specified procedures and consistent with operator's skill level</p> <p>5.3 Flexographic machine operation is checked to ensure correct operation</p> <p>5.4 Machine faults requiring repair are identified and reported to designated person according to enterprise procedures</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 Reels and cores are removed from press</p> <p>6.4 Unused ink is drained back into containers and correctly labelled and stored according to manufacturer's/supplier's specifications and enterprise procedures</p> <p>6.5 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>6.6 All product is removed from operating area</p>
7. Clean and wash up printing machine at end of print run	<p>7.1 Cylinders or sleeves, plate and roller surfaces are cleaned ready for next run</p> <p>7.2 Inking rollers and doctor blades or chamber blade systems are cleaned with correct solvents according to WHS guidelines</p> <p>7.3 Ink pumps, tanks and hoses are cleaned correctly</p> <p>7.4 Impression rollers/central impression and press rollers are cleaned</p> <p>7.5 In-line printing/converting/binding/finishing units are cleaned ready for next run</p> <p>7.6 Reel feed, transportation and delivery systems are disengaged and cleaned ready for next run</p> <p>7.7 Press is lubricated and protected according to duration of shutdown</p> <p>7.8 Production records or other documentation are accurately completed where required by enterprise procedures</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	1.3, 2.2, 4.1-4.4, 5.2, 6.1, 6.4	<ul style="list-style-type: none"> Recognises and interprets text to establish job requirements from information contained within relevant procedures and specifications
Writing	4.7, 4.8, 5.1, 5.4, 6.4, 7.8	<ul style="list-style-type: none"> Enters routine data associated with production processes and enterprise procedures
Oral Communication	1.3, 2.2, 4.1-4.4, 4.7, 4.8, 5.1, 5.2, 5.4, 6.1, 6.2	<ul style="list-style-type: none"> Speaks clearly using appropriate vocabulary, tone and pace to report faults and discrepancies
Numeracy	1.3	<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	1.1-1.3, 2.1-2.4, 3.1-3.5, 4.1-4.4, 4.7-4.9, 5.1-5.4, 6.1, 6.2, 7.1-7.6, 7.8	<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, 2.2, 4.1-4.4, 4.7, 4.8, 5.1, 5.2, 5.4, 6.1, 6.2	<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	1.1-1.3, 2.1-2.4, 3.1-3.5, 4.1-4.6, 4.8, 4.9, 5.1-5.4, 6.1-6.3, 6.6, 7.1-7.7	<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

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ICPPRN314 Produce complex flexographic printed product	ICPPRN314C Produce complex flexographic 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>