



Australian Government

ICPPRN272 Produce basic coated 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 a reel or sheet-fed machine, ensuring efficient production and maintaining quality standards.

It applies to individuals working in the printing and graphic arts industry performing a range of mainly routine tasks, who work under direct supervision and use limited practical skills and knowledge in a defined context.

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 operation of delivery systems	1.1 Delivery systems are monitored and adjusted to ensure efficient and continuous operation and ensure no damage to finished product 1.2 Substrate is added to and removed from process according to job instructions
2. Maintain coating process	2.1 Roller condition is monitored and adjusted to ensure quality of printed product meets the approved proof standard 2.2 Coating system is monitored and adjusted to ensure quality of product meets the approved proof standard 2.3 Drying systems are monitored and adjusted to ensure quality of

ELEMENT	PERFORMANCE CRITERIA
	product meets the approved proof standard 2.4 Quality and viscosity of varnish are monitored and adjusted as necessary to ensure quality of product
3. Maintain production process	3.1 Basic or complex in-line printing/converting/binding/finishing processes are monitored and adjusted to ensure quality of product meets the approved proof standard if required 3.2 Delivery is monitored and adjusted to ensure quality and efficient product delivery if required 3.3 Production process is operated in association with fellow workers and according to company specifications and planned daily schedule 3.4 Production is maintained within work health and safety (WHS) requirements and company and manufacturer's specifications 3.5 Manual and/or automatic control is used as per specification 3.6 Performance is monitored and verified using the process control system according to enterprise procedures 3.7 Coating performance, register and position of coating are monitored and adjusted throughout production run 3.8 Production difficulties are anticipated and preventive action is taken to prevent occurrence by timely intervention 3.9 Process adjustments to eliminate problems are reported according to enterprise procedures 3.10 Waste is sorted according to enterprise procedures
4. Identify and rectify problems	4.1 Faulty performance of equipment is identified and reported according to enterprise procedures 4.2 Problems in coating machine are identified and reported according to enterprise procedures 4.3 Adjustments or corrections are carried out according to specified procedures and consistent with operator's skill level 4.4 Coating machine operation is checked to ensure correct operation
5. Conduct shutdown of production process	5.1 Correct shutdown sequence is followed according to manufacturer's specifications and enterprise procedures 5.2 Shutdown is conducted in association with fellow workers and in compliance with WHS requirements 5.3 Solid and liquid waste is removed from operating area and recycled or disposed of, where required, according to regulatory

ELEMENT	PERFORMANCE CRITERIA
	requirements and enterprise procedures 5.4 Product is removed from operating area 5.5 Machine faults requiring repair are identified and reported to designated person according to enterprise procedures 5.6 Repair/adjustment is verified prior to resumption of operations
6. Clean and wash coating machine	6.1 Cylinders, plate and roller surfaces are cleaned ready for next run 6.2 Coating delivery system is washed ready for next run, and liquid waste is disposed of according to company and regulatory requirements 6.3 In-line slitting units are cleaned ready for next run 6.4 Transportation and delivery systems are disengaged and cleaned ready for next run 6.5 Production records or other documentation are accurately 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	3.3-3.5, 4.3, 5.1	Recognises and interprets text to establish job requirements from information contained within relevant procedures and specifications
Writing	3.3, 3.9, 4.1, 4.2, 6.5.5, 6.5	Enters routine data associated with production processes and enterprise procedures
Oral Communication	3.3-3.5, 3.9, 4.1-4.3, 5.1, 5.2, 5.5	Speaks clearly using appropriate vocabulary, tone and pace to report faults and discrepancies
Numeracy	6.5	Interprets and analyses a range of mathematical information used in familiar and routine tasks
Navigate the world of work	2.1-2.4, 3.1-3.4, 3.6, 3.9, 3.10, 4.1-4.4, 5.1-5.3, 5.5, 6.1-6.5	- 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	3.3-3.5, 4.1-4.3, 5.1, 5.2, 5.5	• 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, 1.2, 2.1-2.4, 3.3-3.8, 3.10, 4.1-4.4, 5.1-5.6, 6.1-6.4	• 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

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 section • web control system • sheeting section OR • feeder and delivery • sheet pick-up and transport system • transfer system

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status

Code and title current version	Code and title previous version	Comments	Equivalence status
ICPPRN272 Produce basic coated product	ICPPR272C Produce basic coated 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>

Assessment Requirements for ICPPRN272 Produce basic coated product

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Performance Evidence

Evidence of the ability to:

- correctly produce TWO basic coating jobs (one spot coating and one overall coating and, if possible, including at least one in-line process) according to job specifications, enterprise procedures and work health and safety (WHS) requirements
- safely shut down and clean either reel- or sheet-fed machine and, if possible, rectify any problems with minimum downtime.

Note: If a specific volume or frequency is not stated, then evidence must be provided at least once.

Knowledge Evidence

To complete the unit requirements safely and effectively, the individual must:

- outline required action if vital information is missing from the job ticket
- list checks undertaken prior to set-up

For reel systems only

- identify WHS concerns related to loading and handling heavy reels
- describe effect on the print of excessive tension on the rewinding reel
- outline the result if the web is not spliced correctly
- outline precautions to ensure rewound product is consistent, acceptable quality

For sheet systems only

- identify importance of sheets being fanned before loading into the press
- explain importance of setting and checking the double sheet detector during the print run
- describe components that can be adjusted to ensure correct delivery if sheeted
- explain the effects of anti-set-off spray on the finished job, and level the coating should be maintained at in the pan

- outline the process if printed material is below acceptable standard
- explain major WHS concerns when coating and action taken if the aqueous coating is smudged in the machine delivery section
- outline effect the UV lamp has on UV coating
- explain dangers of solvents and solutions used to clean the coating system, plates, cylinders and press
- identify parts of the machine to be thoroughly cleaned following coating of the job
- identify components to be inspected for wear following the print run
- explain records important for following or repeat prints
- identify machine manuals, safety and other documentation relevant to this task, where are they kept, and the information contained.

Assessment Conditions

Gather evidence to demonstrate consistent performance in conditions that are safe and replicate the workplace. Noise levels, production flow, interruptions and time variances must be typical of those experienced in the printing field of work and include access to:

- reel- or sheet-fed machine.
- special purpose tools, equipment and materials

Assessors must satisfy NVR/AQTF assessor requirements.

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