



Australian Government

ICPKNW317 Apply knowledge and requirements of the ink manufacturing sector

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 work in the ink manufacturing sector of the printing industry.

It applies to individuals working as production staff, chemists, laboratory technicians, in quality testing and in other research and development roles who can work as a part of a team.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Unit Sector

Holistic knowledge

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. Apply knowledge of printing industry	1.1 Printing industry terminology and vocabulary are used correctly 1.2 New technology and new work processes are monitored and implemented when required 1.3 Trends within printing industry are monitored, on an ongoing basis, to inform personal work practices
2. Apply knowledge of government Acts and regulations	2.1 Basic principles and obligations involved in copyright, work health and safety (WHS), environmental protection, access and equity, and industrial awards are applied
3. Identify categories of	3.1 Scope of ink manufacturing sector, its products, services and

ELEMENT	PERFORMANCE CRITERIA
ink manufacturing sector and enterprise products and services	client or supplier profile are identified 3.2 Enterprise products and services, their characteristics and their end use, specifically with regard to printing industry, are identified 3.3 Printing processes and procedures and their implication for ink manufacture are used to inform decisions about ink usage
4. Identify enterprise processes and procedures	4.1 Manufacturing processes and quality control procedures for ink, coating, varnish, resin, or chemical production are identified and used to inform decisions about ink usage 4.2 Raw material, intermediate and final product testing and recording procedures within enterprise are identified and applied in personal work practices 4.3 Product research and development capacity and opportunities are identified and explored for professional development and enterprise purposes
5. Apply knowledge of testing procedures	5.1 Appropriate testing procedures for each stage of product manufacture are described and evaluated, and improvements applied where required 5.2 Workplace quality assurance procedures are applied in workplace 5.3 Procedures for developing and testing formulae for new product, with reference to end use and capability and suitability of manufacturing processes, are described and applied in workplace

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, 4.2, 4.3	- Researches and comprehends information in a range of text types from various sources - Recognises and interprets text to establish the job requirements from information in procedures and specifications
Writing	4.2	Completes workplace documents accurately
Oral	1.1, 5.1, 5.3	Uses appropriate vocabulary, including technical

Communication		language relevant to role and context
Numeracy	3.3	Interprets and analyses a range of mathematical information that is used in familiar and routine tasks
Navigate the world of work	1.2, 1.3, 2.1, 4.1-4.3, 5.1-5.3	- Maintains knowledge of the printing industry required for current role - Complies with legislative requirements and follows organisational policies and procedures relevant to own role
Get the work done	1.2, 1.3, 2.1, 3.1-3.3, 4.1-4.3, 5.1-5.3	- Determines priorities and sequences the steps involved in clearly defined, familiar tasks, and identifies and assembles the resources required - Makes decisions by evaluating benefits, costs, risks and feasibility from a broad range of perspectives - Recognises the potential of new approaches to enhance work practices - Responds to predictable problems and implements standard or logical solutions related to the role in the immediate work environment - Demonstrates a sophisticated understanding of principles, concepts, language and practices associated with the digital world

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICPKNW317 Apply knowledge and requirements of the ink manufacturing sector	ICPKN317C Apply knowledge and requirements of the ink manufacturing sector	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 ICPKNW317 Apply knowledge and requirements of the ink manufacturing sector

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Performance Evidence

Evidence of the ability to:

- use appropriate vocabulary and terminology in written and oral communications with tradespeople, colleagues, management or clients
- apply relevant legislative and workplace requirements when completing tasks
- keep up to date with trends in the printing industry
- apply required processes and procedures for ink usage, testing or manufacturing.

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:

- describe legislative and enterprise requirements that affect work practice
- describe enterprise products and services, their characteristics and their end use
- describe manufacturing processes and quality control procedures for ink, coating, varnish, resin or chemical production
- describe testing procedures for each stage of product manufacture.

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 industry and include access to special purpose tools, equipment and materials.

Assessors must satisfy NVR/AQTF assessor requirements.

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