

Specification of Competency Standards
for the Printing and Publishing Industry
Unit of Competency

1. Title	Understand special printing techniques
2. Code	PPPRPR402A
3. Level	4
4. Credit	12
5. Competency	<p style="text-align: right;"><u>Performance Requirements</u></p> <p>5.1 Understand security and confidentiality of security printing from materials to printing process</p> <ul style="list-style-type: none"> ◆ Master control and monitoring of security materials by vendors along the supply chain ◆ Understand clearly security printing method used ◆ Understand requirements on moral and personal integrity regarding security printing ◆ Understand special measures and arrangement during working procedures for security printing <p>5.2 Understand special method for printing on substrate</p> <ul style="list-style-type: none"> ◆ Understand appropriate methods for printing on substrates (including iron surface, plastic film, glass bottle and surface of irregular solid)

	<p>5.3 Understand use of special formula printing ink</p> <ul style="list-style-type: none"> ◆ Understand properties of special ink (including metallic ink, UV ink, pearl ink and perfumed ink) ◆ Able to identify print effect of special ink ◆ Master method of using special ink and necessary measures
	<p>5.4 Have basic knowledge of barcode</p> <ul style="list-style-type: none"> ◆ Understand choice of barcode colour ◆ Understand standardized barcode volume ◆ Understand importance of commodities barcode placement standardization <p>5.5 Master techniques for processing and inspecting barcode</p> <ul style="list-style-type: none"> ◆ Master processing and inspection requirements for barcode film and printing plate used for lithographic printing ◆ Understand processing and inspection requirements for barcode film and printing plate used for other printing methods ◆ Master requirements on barcode inspection standard, inspection instrument and inspection procedures <p>5.6 Print special matter</p> <ul style="list-style-type: none"> ◆ Use special ink for printing barcode on various kinds of substrates and execute printing for special security purposes according to set code for security printing
6. Range	Handle special substrates, special ink, security printed matter, barcode printing and production method for special printed matter and perform related tasks in printing department.

7. Assessment Criteria	The integrated outcome requirements of this unit of competency are: (i) Able to use special ink for printing barcode on various kinds of substrates and execute printing for special security purposes according to set code for security printing.
8. Remarks	The credit value of this unit of competency is based on the assumption that the learner has knowledge of lithographic printing operation.