

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

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| 1. Title | Understand special printing techniques |
| 2. Code | PPRPR402A |
| 3. Level | 4 |
| 4. Credit | 12 |
| 5. Competency | <p style="text-align: center;"><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 |

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| | <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. |