

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

| | |
|---------------|--|
| 1. Title | Understand digital colour management techniques |
| 2. Code | PPPRCO301A |
| 3. Level | 3 |
| 4. Credit | 12 |
| 5. Competency | <p style="text-align: right;"><u>Performance Requirements</u></p> <p>5.1 Understand colour formation theory</p> <ul style="list-style-type: none"> ◆ Understand CIE standard colourimetric system ◆ Make use of appropriate environment for viewing colour ◆ Make correct use of measuring instruments for colour evaluation ◆ Master major colour definition with computer <p>5.2 Understand mathematical model of colour and mode of conversion</p> <ul style="list-style-type: none"> ◆ Understand major colour space conversion <p>5.3 Understand ways of calibrating colour of device</p> <ul style="list-style-type: none"> ◆ Understand major colour management software and hardware ◆ Use major colour management hardware and software for calibrating colour of devices |

| | |
|------------------------|--|
| | <p>5.4 Use device profile in prepress software application and presentation skills</p> <p>5.5 Use colour application technology for digital proofing</p> <p>◆ Use special functions of major colour management software and select useful components for colour modification</p> <p>◆ Apply colour management techniques for colour calibration of digital proofer</p> |
| 6. Range | Make use of colour management hardware and software to carry out colour management and related tasks under supervision in printing production department. |
| 7. Assessment Criteria | <p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Able to perform colour management under supervision by making use of colour management hardware and software.</p> |
| 8. Remarks | The credit value of this unit of competency is based on the assumption that the learner has general knowledge of colour management in printing. |