

**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: center;"><u>Performance Requirements</u></p> <p>5.1 Understand colour formation theory</p> <ul style="list-style-type: none"> <li>◆ Understand CIE standard colourimetric system</li> <li>◆ Make use of appropriate environment for viewing colour</li> <li>◆ Make correct use of measuring instruments for colour evaluation</li> <li>◆ Master major colour definition with computer</li> </ul> <p>5.2 Understand mathematical model of colour and mode of conversion</p> <ul style="list-style-type: none"> <li>◆ Understand major colour space conversion</li> </ul> <p>5.3 Understand ways of calibrating colour of device</p> <ul style="list-style-type: none"> <li>◆ Understand major colour management software and hardware</li> <li>◆ Use major colour management hardware and software for calibrating colour of devices</li> </ul>

	<p>5.4 Use device profile in prepress software application and presentation skills</p> <p>◆ Use special functions of major colour management software and select useful components for colour modification</p> <p>5.5 Use colour application technology for digital proofing</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	The integrated outcome requirements of this unit of competency are: (i) Able to perform colour management under supervision by making use of colour management hardware and software.
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.