

**Specification of Competency Standards**  
**for the Printing & Publishing Industry**  
**Unit of Competency**

Functional Area - Material Technology

Title	Adopt printing material standards
Code	106289L5
Range	Professional print buyers have emphasized on the importance of meeting printing standards. Apart from the standards for printing workflows, whether standards for printing materials are met is also a decisive factor for buyers. Adopting printing material standards can help meeting the buyer clients' requirements and maintain stable product quality.
Level	5
Credit	6 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Adopt printing material standards</p> <ul style="list-style-type: none"> <li>• Use ISO 2846-compliant ink as ISO 2846 deals mainly with base colours and transparency of ink, extra care must be taken to make sure that every single base colour's Lab value meets the requirements of the standards, and if the delta hue in two-colour overprint is acceptable when using ISO 2846-compliant ink.</li> <li>• Use papers with Lab values that fall within the scope of ISO standards (e.g. ISO 12647). In case of not being able to use standards-compliant papers, compensate for the Lab value deviations with effective calculations.</li> <li>• Understand the impact of OBA fluorescent additives on Lab value measurement, and the potential impacts of such chemical additives on product safety.</li> </ul> <p>2. With the above abilities, adopt printing material standards as appropriate in order to meet the buyer's requirements and maintain stable product quality.</p> <p>3. If the printing company fails to meet the buyer's requirements or maintain stable product quality, , determine if the problem lies with using printing materials that do not meet the standards.</p>
Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> <li>• Be able to use standards-compliant printing ink.</li> <li>• Be able to use standards-compliant papers and rectify production parameters to compensate for papers that do not meet the standards.</li> </ul>
Remark	