

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

Functional Area - Prepress Technology

Title	Implement computer graphics
Code	111054L3
Range	According to specific requirements of the prepress department, use graphics software for processing graphics characters, tracing, drawing and file setting for meeting the requirements of print production.
Level	3
Credit	6 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Understand the special function of graphics software and the techniques of file setting for meeting print production requirements.</p> <ul style="list-style-type: none"> <li>• Understand the major drawing functions of graphics software.</li> <li>• Understand essential techniques for drawing complex shapes.</li> <li>• Understand advanced colour application.</li> <li>• Have a clear idea of auto-tracing function.</li> <li>• Understand the techniques and application of major graphics styles.</li> <li>• Understand the techniques of vector image and bitmap image conversion and application.</li> <li>• Understand effect of filter on vector and bitmap images.</li> <li>• Understand the use of effects with filter.</li> <li>• Understand the techniques for making complex chart and diagram.</li> <li>• Have a clear idea of techniques for diversified layout design.</li> <li>• Understand the setting of high-level colour separation output.</li> <li>• Understand the techniques for converting file into effective PDF.</li> <li>• Master the standard file setting which meets the requirements of print production.</li> </ul> <p>2. Execute graphics software for processing graphics characters, tracing, drawing; implement file setting which meets the requirements of print production.</p> <p>3. Demonstrate professional skills and attitude</p> <ul style="list-style-type: none"> <li>• According to the requirements of customer and the established specifications of the prepress department, use graphics software to execute the processing of graphics characters, tracing, drawing, correct file setting. The completed file must meet the requirements of customers, and print production and achieve the ISO international standard.</li> </ul>
Assessment Criteria	<p>The integrated outcome requirement(s) of this unit of competency is/are:</p> <ul style="list-style-type: none"> <li>• Be able to use software for drawing and implement file setting which meets the requirements of print production accurately according to the specific requirements.</li> </ul>
Remark	<p>The credit value of this unit of competency is based on the assumption that the learner has knowledge of computer graphics.</p> <p>This unit of competency originates from the first edition of PPPRPE303A and its content has been updated.</p>