

## Specification of Competency Standards for Printing & Publishing

### Unit of Competency

Title	Understand preflight techniques
Code	106247L3
Range	Carry out examination and remedy for digital file, file converted into PDF and printable file, page imposition software application, digital proofing, CTP and related tasks according to set requirements in prepress department.
Level	3
Credit	6 ( For Reference Only )
Competency	<p>Performance Requirements</p> <ol style="list-style-type: none"> <li>Understand techniques of printable file output <ul style="list-style-type: none"> <li>Understand different file formats and their applications.</li> <li>Understand use of different Chinese and English digital fonts and their output properties.</li> <li>Understand effective resolution calculation.</li> <li>Understand the characteristics and application of digital image compression technology.</li> <li>Understand spot color plate and ink trapping processing methods.</li> <li>Master applied technology of file checking software.</li> <li>Master correct way to handle trapping.</li> <li>Master application of screening technology.</li> <li>Master basic methods for PostScript and PDF output.</li> <li>Understand international printing standards for barcode and QR code, including color, size, barcode's bar distance, etc.</li> <li>Know major software for producing barcode and QR code images.</li> <li>Master production of barcode and QR code image according to restrictions of different printing methods.</li> <li>Know how to use testing instrument for checking if output film and plate of barcode and QR code meet requirements.</li> </ul> </li> <li>With the above knowledge, be able to master different production requirements of different printing method, appropriately execute prepress pre-inspection and repair tasks, and output proper film and plate.</li> <li>Able to use testing instruments for checking output film and plate, in order to ensure their quality can meet different printing production requirements.</li> </ol>
Assessment Criteria	<p>This integrated outcome requirement for this unit of competency:</p> <ul style="list-style-type: none"> <li>Able to use preflight software for checking and remedying digital file according to set digital output requirements and quality need..</li> </ul>
Remark	The credit value of this unit of competency is based on the assumption that the learner has knowledge of digital file output.