

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

1. Title	Understand use of printing material tests
2. Code	PPPRMT401A
3. Level	4
4. Credit	6
5. Competency	<p style="text-align: right;"><u>Performance Requirements</u></p> <p>5.1 Understand ink drying</p> <ul style="list-style-type: none"> ◆ Identify drying methods for ink on printing substrates ◆ Understand workings of ink drying in relation to printing substrates ◆ Understand physical and chemical changes of drying ink on printing substrates <p>5.2 Know workings of ink formula</p> <ul style="list-style-type: none"> ◆ Know ink formula suitable for major methods of printing ◆ Know ink formula suitable for major printing materials <p>5.3 Know manufacturing process of printing substrates (such as paper, plastics)</p> <ul style="list-style-type: none"> ◆ Analyze factors affecting quality and properties of printing substrates (such as paper, plastics) during manufacturing process <p>5.4 Test and evaluate printing materials</p> <ul style="list-style-type: none"> ◆ Test and evaluate printing materials based on the physical and chemical properties of major printing materials, their printability and mutual relationship

6. Range	Test printing materials with testing instruments, evaluate suitability of printing materials and perform related tasks in printing production department.
7. Assessment Criteria	The integrated outcome requirements of this unit of competency are: (i) Able to test and evaluate printing materials and perform related tasks.
8. Remarks	The credit value of this unit of competency is based on the assumption that the learner has knowledge of printing materials.