Specification of Competency Standards for the Jewellery Industry Unit of Competency

Functional Area - Production

Title	Master casting techniques
Code	108924L2
Range	This unit of competency is applicable to practitioners working in the jewellery casting departmer of jewellery manufacturing organizations. Practitioners should be capable of mastering the workflow of lost wax casting and operating relevant equipment to duplicate various kinds of precious metal castings from wax prototypes to meet the production workflow.
Level	2
Credit	9
Competency	 Performance Requirements Know about the procedure of lost wax casting

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	 Master the mould packing technique Master the vulcanizing technique Master the rubber mould cutting technique Master the wax injection technique Master the wax mould trimming technique Master the treeing technique Master the investing technique Master the de-waxing and burnout process technique Master the casting technique Master the technique for removal of casting powder and sprue, and the pickling technique Master the technique for handling porosity/blemishes on the casting products
	 Professionalism Following the requirements of the organization, code of practice and safety guidelines, carry out casting for jewellery products with a professional attitude
Assessment Criteria	The integrated outcome requirement of this unit of competency is:
	 Able to use various wax carving tools and equipment safely, and employ carving techniques to carve different kinds of wax models to cope with the casting workflow according to the design sketch under instruction.
Remark	