

Specification of Competency Standards for the Jewellery Industry
Unit of Competency

1. Title	Manufacture jewellery silver model
2. Code	JLZZPD303A
3. Range	This unit of competency is applicable in jewellery worksites. Practitioners should be capable to employ goldsmithing techniques to make different silver models for vulcanizing purposes according to the requirement of the design sketch. They should also be capable to analyze and assess manufacturing operations from production perspective, so as to enhance the cost effectiveness of production.
4. Level	3
5. Credit	18
6. Competency	<p align="center"><u>Performance Requirements</u></p> <p>6.1 Understand the production theory of jewellery silver model</p> <ul style="list-style-type: none"> ◆ Master the technique of constructing 3-D structural design from the sketch of graphic design ◆ Know about the structure of jewellery and the assembly of components ◆ Know about the casting workflow ◆ Know about jewellery trimming technique ◆ Estimate the shrinkage from vulcanizing and casting ◆ Know the requirement and distribution of sprues <p>6.2 Manufacture jewellery silver model</p> <ul style="list-style-type: none"> ◆ Master the weight of the finished jewellery product ◆ Master the structure of the collet and its relationship with the gemstone ◆ Master exquisite gold casting technique and can make different kinds of jewellery silver models to match with the casting workflow ◆ Master the preparation work prior to manufacturing jewellery silver model

<p>7. Assessment Criteria</p>	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> (i) Capable to employ goldsmithing techniques to make different kinds of jewellery silver models according to the requirement of the design sketch to meet casting workflow; also capable to analyze and assess the manufacturing operations from production perspective; and (ii) Capable to control the weight of gold used in the finished jewellery product to enhance cost effectiveness of production.
<p>8. Remarks</p>	<p>The credit value of this unit of competency is set on the presumption that the person concerned already possesses basic technique of casting karat gold.</p>