

Specification of Competency Standards for the Jewellery Industry
Unit of Competency

1. Title	Formulate technological research plans for jewellery products	
2. Code	JLZZTS601A	
3. Range	This unit of competency is applicable in the technological research and development workplaces for jewellery. Practitioners should be capable to conduct topical research on jewellery products or related subjects in accordance with the direction of future technological development. They should also be capable to evaluate and integrate the research results to develop into scientific research and development projects, so as to ultimately achieve the industrial function of jewellery products. This unit of competency is applicable to industry-related duties such as design, product development, production, repair and maintenance, operational management, quality management, marketing and sales, environmental protection, etc.	
4. Level	6	
5. Credit	9	
6. Competency	<p>6.1 Know about the innovative ideas and concepts of technological research plans for jewellery products</p>	<p style="text-align: center;"><u>Performance Requirements</u></p> <ul style="list-style-type: none"> ◆ Know about the concepts and innovative ideas of the technological research and development projects for the jewellery industry ◆ Obtain relevant data to support the innovative ideas and concepts of technological research and development projects ◆ Capable to convert those innovative ideas and concepts into scientific research and development projects, so as to ultimately achieve the industrial function of jewellery products

	<p>6.2 Formulate technological research plans for jewellery products</p> <ul style="list-style-type: none"> ◆ Set objectives and standard for the technological research projects for jewellery products <ul style="list-style-type: none"> • Conduct critical discussion and evaluation on the established standard • Set objectives for the technological research plans • Allocate resources according to the need of the technological research plans • Design and apply suitable research methods • Lead subordinate staff to conduct research, employ advanced technology or carry out relevant specialized activities ◆ Capable to publish technological research reports on jewellery ◆ Establish the jewellery industry as high value-added industry ◆ Capable to develop innovative technological research plans to motivate continual development in the industry ◆ Technological research projects can ultimately be recognised and employed by the industry ◆ Set the standard for the projects and conduct regular evaluation
<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 formulate technological research plans for jewellery products according to the direction of future technological development; and (ii) Capable to convert the innovative ideas and concepts of jewellery products into scientific research projects, so as to ultimately achieve the industrial function of jewellery products.
<p>8. Remarks</p>	<p>This unit of competency is applicable to the organization’s senior managerial staff and the policy making authority.</p>