

Specification of Competency Standards for the Jewellery Industry
Unit of Competency

1. Title	Master the technological development of jewellery materials and production														
2. Code	JLZZTS401A														
3. Range	This unit of competency is applicable in jewellery companies or worksites. Practitioners should be capable to understand the relation between the use of jewellery materials and production technology. They should also be capable to select and apply appropriate technology in product development and production after making careful analysis.														
4. Level	4														
5. Credit	6														
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <table border="0"> <tr> <td style="vertical-align: top;">6.1</td> <td style="vertical-align: top;">Know about the technological development of jewellery</td> <td style="vertical-align: top;">◆</td> <td style="vertical-align: top;">Know about the channels to obtain, analyze and process technological information related to jewellery</td> </tr> <tr> <td></td> <td></td> <td style="vertical-align: top;">◆</td> <td style="vertical-align: top;">Master the method to know about the development trend of the jewellery market</td> </tr> <tr> <td style="vertical-align: top;">6.2</td> <td style="vertical-align: top;">Employ jewellery technology</td> <td style="vertical-align: top;">◆</td> <td style="vertical-align: top;"> Select and apply appropriate technology in each product development process of jewellery according to the development trend of relevant technology, the conditions of the company and customers' demand: <ul style="list-style-type: none"> • Capable to introduce newly developed and improved materials to improve or develop new products • Capable to implement improved or newly developed production technology to improve product quality and enhance cost effectiveness </td> </tr> </table>			6.1	Know about the technological development of jewellery	◆	Know about the channels to obtain, analyze and process technological information related to jewellery			◆	Master the method to know about the development trend of the jewellery market	6.2	Employ jewellery technology	◆	Select and apply appropriate technology in each product development process of jewellery according to the development trend of relevant technology, the conditions of the company and customers' demand: <ul style="list-style-type: none"> • Capable to introduce newly developed and improved materials to improve or develop new products • Capable to implement improved or newly developed production technology to improve product quality and enhance cost effectiveness
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	<ul style="list-style-type: none"> • Capable to select appropriate investigation and survey technology to obtain accurate market information, so as to understand user needs (including the psychological index which has gained weight in recent years) • Master the supplementary technology of product research and development • Introduce appropriate supplementary technology according to the needs of the company, such as: computer-aided design, analysis and tests, etc. to shorten the time cycle for product development and improve product quality
7. Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to master the technological development relevant to product development of jewellery, and select new technology to meet organizational development after making careful analysis, so as to enhance the effectiveness in performing the duty of product development and manufacturing of jewellery.</p>
8. Remarks	<p>The credit value of this unit of competency is set on the presumption that the person concerned already possesses basic knowledge about the technology relevant to the product development of jewellery.</p>