

Specification of Competency Standards for the Jewellery Industry
Unit of Competency

1. Title	Formulate corporate direction for developing comprehensive technological support and the research and development of jewellery																						
2. Code	JLZZTS701A																						
3. Range	This unit of competency is applicable in workplaces relevant to the operational management of the jewellery industry. Practitioners should be capable to effectively formulate comprehensive corporate direction and strategy for technological support and research. They should also be capable to summarize and integrate the new technologies and technological support within the industry or in other areas to develop innovative professional ideas, so as to improve the quality of industry-related projects, making innovative contribution to the technological support as well as research development of the jewellery industry.																						
4. Level	7																						
5. Credit	9																						
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 development of comprehensive technological support and the research and development of jewellery</td> <td style="vertical-align: top;">◆</td> <td style="vertical-align: top;">Capable to know about the development of comprehensive technological support and the research and development of jewellery</td> </tr> <tr> <td></td> <td></td> <td style="vertical-align: top;">◆</td> <td style="vertical-align: top;">Possess specific knowledge in interdisciplinary areas other than the industry, and know about its relation with technological research of jewellery</td> </tr> <tr> <td style="vertical-align: top;">6.2</td> <td style="vertical-align: top;">Develop direction for comprehensive technological support and research and development of jewellery</td> <td style="vertical-align: top;">◆</td> <td style="vertical-align: top;">Make use of new technology to improve the quality of jewellery products</td> </tr> <tr> <td></td> <td></td> <td style="vertical-align: top;">◆</td> <td style="vertical-align: top;">Introduce advanced technology from overseas to enhance production efficiency and quality</td> </tr> <tr> <td></td> <td></td> <td style="vertical-align: top;">◆</td> <td style="vertical-align: top;">Develop direction for technological support as well as research and development <ul style="list-style-type: none"> • Develop new strategy to cope with changes in new technology </td> </tr> </table>			6.1	Know about the development of comprehensive technological support and the research and development of jewellery	◆	Capable to know about the development of comprehensive technological support and the research and development of jewellery			◆	Possess specific knowledge in interdisciplinary areas other than the industry, and know about its relation with technological research of jewellery	6.2	Develop direction for comprehensive technological support and research and development of jewellery	◆	Make use of new technology to improve the quality of jewellery products			◆	Introduce advanced technology from overseas to enhance production efficiency and quality			◆	Develop direction for technological support as well as research and development <ul style="list-style-type: none"> • Develop new strategy to cope with changes in new technology
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	<ul style="list-style-type: none"> • Master future technological development and devise development direction ◆ Formulate joint technological research projects with other institutions <ul style="list-style-type: none"> • Develop relationship with academic institutions in the area of technological research • Strengthen cooperation with technological research organizations in Hong Kong, the Mainland and overseas • Formulate technological research projects • Formulate joint technological research projects • Follow up and monitor joint technological research projects ◆ Develop innovative direction for technological research projects and target at making significant contribution to the industry ◆ Have thorough and extensive industry-specific and interdisciplinary knowledge; capable to master research methods and apply such knowledge in the industry to lead the direction of technological support and research development for the industry ◆ Settle problems encountered by the industry through creative and innovative methods and capable to prove the contrary
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<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 comprehensive and innovative strategy for the enterprise; (ii) Capable to develop the direction for technological support and research and development; and (iii) Capable to formulate joint technological research projects with other institutions.
<p>8. Remarks</p>	<p>The credit value of this unit of competency is set on the presumption that the person concerned already possesses knowledge about technological research in jewellery.</p>