

**Specification of Competency Standards**  
**for the Jewellery Industry**  
**Unit of Competency**

Functional Area - Technology Support

Title	Formulate the corporate direction for developing the comprehensive technological support and research and development of jewellery
Code	108979L7
Range	This unit of competency is applicable to decision-makers responsible for technological research and development of jewellery in the jewellery industry. Practitioners should be capable of making careful analysis and judgments. They should be able to effectively formulate the corporate direction for developing the comprehensive technological support and research and development of jewellery in accordance with the direction, philosophy and strategy of the overall operational management of the organization. They should also be able to summarize and integrate the new technologies and technological support within the industry or in other fields to develop new technologies and professional innovative ideas, so as to improve the quality of industry-related projects, making innovative contributions to the technological support as well as research and development in the jewellery industry.
Level	7
Credit	9
Competency	<p>Performance Requirements</p> <p>1. Know about the development of the comprehensive technological support and the research and development of jewellery</p> <ul style="list-style-type: none"> <li>• Know about the development of the comprehensive technological support and the research and development of jewellery</li> <li>• Possess specific knowledge in interdisciplinary areas beyond the jewellery industry, and know about its relation with technological research of jewellery</li> </ul> <p>2. Formulate the overall direction for developing the comprehensive technological support and research and development of jewellery</p> <ul style="list-style-type: none"> <li>• Make use of new technology to improve the overall operational quality and provide support to the operation of the organization</li> <li>• Introduce advanced technology from the Mainland/overseas to enhance production efficiency and quality</li> <li>• Develop the direction and goals for technological support as well as research and development</li> <li>• Develop joint technological research projects with other institutions <ul style="list-style-type: none"> <li>○ Develop relationships with academic institutions in the area of technological research</li> <li>○ Strengthen the co-operation with technological research organizations in Hong Kong, in the Mainland and overseas</li> <li>○ Develop technological research projects</li> <li>○ Develop joint technological research projects</li> <li>○ Follow up and monitor joint technological research projects</li> </ul> </li> <li>• Summarize and integrate the new technologies and technological support within the industry or in other fields to develop new technologies and professional innovative ideas to lead the development direction of technological support and research and development in the jewellery industry, targeting at making significant contributions to the industry</li> <li>• Have thorough and extensive industry-specific and interdisciplinary knowledge, and master the research methods and apply such knowledge in the industry to lead the development direction of technological support and research and development in the industry</li> </ul>

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	<ul style="list-style-type: none"> <li>• Settle problems encountered by the industry through creative and innovative methods and be able to prove the contrary</li> </ul> <p>3. Professionalism</p> <ul style="list-style-type: none"> <li>• Avoid plagiarism when formulating the overall direction for technological support and research and development of jewellery to prevent individuals and the organization from falling into the trap of infringement of intellectual property rights</li> </ul>
Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> <li>• Able to formulate the comprehensive strategy of the organization for developing the technological support and research and development of jewellery products; and</li> <li>• Lead the technological research projects of jewellery products with innovative research methods to improve the quality of the jewellery products, making significant contributions to the industry.</li> </ul>
Remark	