

**Specification of Competency Standards**  
**for the Elderly Care Service Industry**  
**Unit of Competency**

Functional Area - Common

Title	Assess the Effectiveness of Gerontechnology Development Projects
Code	110955L5
Range	This Unit of Competency is applicable to practitioners who are responsible for the management of gerontechnology in the elderly care service industry. The application requires the demonstration of in-depth expertise or theoretical knowledge in a range of technical, professional or managerial working environments, and its execution requires careful thinking, critical analysis and decision-making skills. Practitioners should be able to determine the effectiveness indicators of gerontechnology development projects to assess the standards of the projects, according to the organization's developmental policies and objectives.
Level	5
Credit	3 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Relevant knowledge on the effectiveness of gerontechnology development projects</p> <ul style="list-style-type: none"> <li>• Understand the organization's requirements for the development of gerontechnology</li> <li>• Understand the organization's development goals and priorities related to gerontechnology, such as: <ul style="list-style-type: none"> <li>○ Assistive technology</li> <li>○ Functional enhancement technology</li> <li>○ Safety-related technologies, such as: promoting occupational safety and health and elderly safety, etc.</li> <li>○ Technology related to health monitoring and screening related technologies, etc.</li> </ul> </li> <li>• Understand the different parts of the execution of gerontechnology projects, such as: <ul style="list-style-type: none"> <li>○ Develop and execute equipment procurement plans</li> <li>○ Develop and execute equipment introduction plans</li> <li>○ Develop and execute related staff training, etc.</li> </ul> </li> <li>• Understand the effectiveness indicators and related research knowledge on the gerontechnology programs, such as: <ul style="list-style-type: none"> <li>○ Quantitative research</li> <li>○ Qualitative research</li> </ul> </li> <li>• Understand the methods of data collection, such as: <ul style="list-style-type: none"> <li>○ Observe</li> <li>○ Questionnaire</li> <li>○ Measurement indications</li> <li>○ Interviews, focus groups and records, etc.</li> </ul> </li> <li>• Understand the methods to analyze data and methods to report program efficiency</li> </ul> <p>2. Assess the effectiveness of gerontechnology development projects</p> <ul style="list-style-type: none"> <li>• According to the development goals of various gerontechnology and the established effectiveness indicators, including qualitative indicators and quantitative indicators, measure the condition of the organization's gerontechnology development</li> <li>• Review the relevant records of gerontechnology development and analyze the execution status of the project, such as: <ul style="list-style-type: none"> <li>○ Application status, such as: procurement, application and staff training progress, whether the equipment is accepted by the staff and users, etc.</li> <li>○ Special situations encountered during use, such as: refusal by the staff/elderly/carer, equipment not operating as expected, equipment damage, etc.</li> </ul> </li> <li>• Collect the performance indicator data and information using different methods, such as:</li> </ul>

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	<ul style="list-style-type: none"> <li>○ Interview the elderly persons and carers, focus group meetings, etc.</li> <li>○ Statistics, such as: equipment utilization rate, service satisfaction levels, function improvement of service users, etc.</li> <li>○ Staff review on the level of their gerontechnology related knowledge, assessment and effectiveness of the executed project, etc.</li> </ul> <ul style="list-style-type: none"> <li>● Analyze the effectiveness of the projects based on the collected data and information on the effectiveness indicators</li> <li>● Provide follow-up suggestions on the effectiveness of the projects, such as: if the project fails to achieve the expected results, understand and analyze the causes of the incident, and make improvements accordingly, etc.</li> </ul> <p>3. Exhibit professionalism</p> <ul style="list-style-type: none"> <li>● Utilize professional knowledge and maintain objective attitudes to determine the effectiveness indicators of gerontechnology development projects, in order to measure and assess the effectiveness of projects</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 develop effective procurement strategies to meet the organization's needs on the application of gerontechnology; and</li> <li>● Able to establish performance indicators, collect relevant data and review the effectiveness of the gerontechnology development projects, according to the organization's goals and purpose; and</li> <li>● Able to identify improvements and make recommendations for the development of gerontechnology based on assessment results.</li> </ul>
Remark	