

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

Functional Area - Gerontechnology

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| Title | Develop Safety Principles for the Use of Gerontechnology |
| Code | 110887L5 |
| Range | This Unit of Competency is applicable to practitioners who provide staff training 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 analyze the application risks of gerontechnology, according to the organization's operating environments, identify regulated machinery according to the relevant legal requirements, and develop safety principles that the staff must comply with when using gerontechnology. |
| Level | 5 |
| Credit | 6 (For Reference Only) |
| Competency | <p>Performance Requirements</p> <p>1. Relevant knowledge on the safety principles for the use of gerontechnology</p> <ul style="list-style-type: none"> • Understand the application risks of gerontechnology in the organization's operating environment • Understand the legal requirements related to the use of gerontechnology • Understand the organization's occupational safety and health guidelines • Understand the use of regulated machinery • Understand the safety responsibilities and the corresponding potential hazards of different staff in the organization when using gerontechnology • Understand the general operating rules for the use of gerontechnology, such as: <ul style="list-style-type: none"> ○ Familiarize with equipment's operation procedures and methods ○ Suitable environment for operating the equipment ○ Personnel who are qualified to operate the equipment ○ Wear suitable clothes and personal protective equipment <p>2. Develop safety principles for the use of gerontechnology</p> <ul style="list-style-type: none"> • Assess and analyze risks according to the relevant laws and the organization's operating, and develop safety principles and the regulatory scope for the use of gerontechnology • Establish the category of regulated machinery, such as: <ul style="list-style-type: none"> ○ Lifting weight/lifting machinery ○ Handling machinery, such as: mechanical transfer aids, stair machines, electric diaper changing machines, etc. ○ Rehabilitation sports machinery, such as: walking training machine, balance training machine, bicycle, power arm, etc. ○ Specialist therapeutic equipment, such as: vibration therapy equipment, electrotherapy equipment, thoracic wall vibration vest, etc. ○ Electronic equipment, such as: electronic wheelchairs, mechanical structure and control technology, etc. • Develop safety principles for the operation of each equipment according to the category of machinery and the risk assessment of related machinery, such as: <ul style="list-style-type: none"> ○ Safety training requirements ○ Professional knowledge/assessment requirements ○ Mechanical protection device ○ Safety certification/maintenance of machinery ○ Crisis response measures |

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| | <ul style="list-style-type: none"> ○ Special precautions, etc. • Develop management, monitoring and review mechanisms for the operational safety of gerontechnology <p>3. Exhibit professionalism</p> <ul style="list-style-type: none"> • Comprehensively analyze the application risks of gerontechnology, according to the organization's operating environment and the requirements of relevant laws and regulations, develop safety principles for the use of gerontechnology |
| Assessment Criteria | <p>The integrated outcome requirements of this Unit of Competency are:</p> <ul style="list-style-type: none"> • Able to assess and analyze the risks according to the relevant laws and the organization's operating environment, and develop safety principles and the regulatory scope ranges for the use of gerontechnology; and • Able to draft management, monitoring and review mechanisms for the operational safety of gerontechnology. |
| Remark | |