

## Specification of Competency Standards for the Logistics Industry

### Unit of Competency

|               |  |
|---------------|--|
| 1. Title      | Formulate strategies for the application of electronic cargo identification technologies   |
| 2. Code       | LOCUEL501A   |
| 3. Range      | This unit of competency is applicable to relevant units in the logistics industry. Practitioners should be capable to formulate suitable strategies for the application of electronic cargo identification technologies.   |
| 4. Level      | 5  |
| 5. Credit     | 9 ( for reference only )   |
| 6. Competency | <p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Knowledge relevant to electronic cargo identification technologies</p> <ul style="list-style-type: none"><li>◆ Understand popular electronic cargo identification technologies in the logistics industry, including:<ul style="list-style-type: none"><li>• Electronic product code</li><li>• Radio frequency identification device (RFID)</li><li>• Bar code identification</li><li>• Complementary equipment required by different identification technologies or standards (e.g. different frequency identification labels only work with respective readers)</li></ul></li><li>◆ Understand the advantages and disadvantages of different electronic cargo identification technologies, including:<ul style="list-style-type: none"><li>• Data type and capacity stored in different labels or bar codes</li><li>• Effective distance between the label or bar code and the reader</li><li>• Cost effectiveness of the readers and the labels or bar codes</li></ul></li></ul> |

|                        |   |
|------------------------|---|
|                        | <p>6.2 Formulate strategies for the application of electronic identification technologies</p> <ul style="list-style-type: none"> <li>◆ Understand the legal responsibilities and risks of using various types of e-logistics technologies</li> <li>◆ Analyze the needs of the enterprise according to the flow of logistics operation and the scale and scope using electronic device in the operation</li> <li>◆ Analyze the suitability of different electronic cargo identification technologies to the company according to their advantages and disadvantages, and formulate cost-effective strategies for the application of electronic identification technologies</li> <li>◆ Analyze the costs and effectiveness of strategies for the application of different electronic cargo identification technologies</li> </ul> |
| 7. Assessment Criteria | <p>The integrated outcome requirements of this unit of competency is:</p> <p>(i) Capable to formulate suitable and cost-effective strategies for the application of electronic cargo identification technologies according to the operation and needs of the enterprise and the advantages, disadvantages and suitability of different electronic cargo identification technologies.</p>  |
| 8. Remarks             |   |