

## Specification of Competency Standards for the Logistics Industry

### Unit of Competency

1. Title	Design logistics solutions with the shipping network
2. Code	LOSGPD501A
3. Range	This unit of competency is applicable to shipping companies, freight forwarders and logistics firms. Practitioners should be capable to design the best shipping network according to the business policy and goals of the enterprise.
4. Level	5
5. Credit	12 ( for reference only )
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Knowledge of shipping network and logistics solutions</p> <ul style="list-style-type: none"> <li>◆ Understand the concepts of shipping network and “hub and spoke”</li> <li>◆ Understand the design concept of different types and modes of routings, such as main haul services and feeder services, transfer and interline services</li> <li>◆ Understand the characteristics of direct service, transfer and interline</li> <li>◆ Understand the relationship between the company’s shipping network, coverage of service, and logistics solutions</li> <li>◆ Understand the strategies for establishing the logistics network of the company</li> <li>◆ Capable to apply operations research, games theory or other similar analytical tools</li> </ul> <p>6.2 Design logistics solutions with the shipping network</p> <ul style="list-style-type: none"> <li>◆ Identify possible solutions for connection at ports within the scope of service</li> </ul>

	<ul style="list-style-type: none"> <li>◆ Analyze the cost, time required, deadline, arrangements for customs clearance and border-crossing, warehousing, cargo terminal services and facilities of different solutions</li> <li>◆ Use cost-effectiveness analysis to assess the feasibility of different solutions</li> <li>◆ Analyze the information of customers for goods supply and assess whether the shipping network can support new markets, improve efficiency and reliability, and reduce costs</li> <li>◆ Design feasible shipping network to maximize the throughput of sea freight goods</li> <li>◆ Design other possible value-added logistics services</li> <li>◆ Apply operations research or games theory to analyze the influence of networking and competitors</li> <li>◆ Compile analytical reports to illustrate logistics solutions</li> </ul>
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to analyze systematically and scientifically the network connection of the enterprise and the support of business partners; to design appropriate logistics network to support relevant logistics solutions or sea freight services; and</p> <p>(ii) Capable to design effective sea freight network and compile reports for the decision-making authority of the enterprise.</p>
8. Remarks	