

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

1. Title	Formulate berthing strategy
2. Code	LOGGOM508A
3. Range	This unit of competency is applicable to shipping companies and relevant sea freight operators. Practitioners should be capable to formulate berthing strategy for prompt and effective cargo handling.
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 of ship berthing</p> <ul style="list-style-type: none"> <li>◆ Understand the operation of container terminal <ul style="list-style-type: none"> <li>• Knowledge of the equipment</li> <li>• Container yard layout</li> <li>• Operational flow</li> <li>• Draft and length of the terminal berth</li> <li>• Cargo handling speed and efficiency</li> <li>• Service standards and rates</li> </ul> </li> <li>◆ Understand cargo handling capacity <ul style="list-style-type: none"> <li>• Arrival and departure schedules of ships</li> <li>• Origins of outbound containers such as transshipment or direct in-bound or outbound</li> <li>• Number of in-bound containers</li> <li>• Number of in-bound and outbound empty containers</li> <li>• Number of in-bound and outbound special containers</li> </ul> </li> </ul>

	<p>6.2 Formulate berthing strategy</p> <ul style="list-style-type: none"> <li>◆ Plan berth locations and berthing time by considering the following factors to minimize the berthing time <ul style="list-style-type: none"> <li>• Berths and equipment available</li> <li>• Ship schedules as well as the terms and conditions of relevant berths set by the shipping line</li> <li>• Total handling capacity of in-bound and outbound containers by the ship</li> <li>• Minimum berthing time of the ship</li> <li>• Overall length, maximum draft and structural limit of the ship</li> <li>• The captain's special handling requirements such as major mechanical repairs and use of dry dock</li> </ul> </li> </ul>
<p>7. Assessment Criteria</p>	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to formulate the best berthing plan in accordance with the service standards of the terminal as well as structure and handling capacity of the ship so as to provide prompt and efficient cargo handling service with minimum berthing time and costs.</p>
<p>8. Remarks</p>	