

Specification of Competency Standards for the Logistics Industry
Unit of Competency

1. Title	Formulate cargo space management system and strategy
2. Code	LOGGOM509A
3. Range	This unit of competency is applicable to shipping companies and relevant sea freight operators. Practitioners should be capable to formulate the cargo space management system and strategy according to the characteristics of routings.
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 cargo space management</p> <ul style="list-style-type: none"> ◆ Possess ship-related knowledge <ul style="list-style-type: none"> • Basic ship structure • Cargo capacity • Maximum draft ◆ Understand containers and special containers <ul style="list-style-type: none"> • Types and specifications of container • Characteristics of various container types and their allocation onboard • Types and specifications of special container, such as open top container, refrigerated container and flat rack container ◆ Understand special cargoes, such as dangerous goods and out gauge cargoes ◆ Understand the characteristics of other goods and their handling methods ◆ Know the terminal operation <ul style="list-style-type: none"> • Understand the characteristics of the container operation in respective ports and terminals • Understand the cargo volume and mode of loading in respective ports

	<ul style="list-style-type: none"> • Master ways to co-ordinate with various departments of the terminal ◆ Master the use of cargo space planning software ◆ Understand customers' special requirements for container stowage onboard ◆ Master relevant codes of safety <p>6.2 Formulate cargo space management system and strategy</p> <ul style="list-style-type: none"> ◆ Use cargo space planning software for container stowage onboard ◆ Calculate the ship's cargo capacity ◆ Confirm the carrying capacity and loaded draft of the ship ◆ Confirm the number and volume of containers to be loaded ◆ Confirm the number and volume of containers to be unloaded ◆ Allocate reasonably cargoes of different weights ◆ Provide information to the terminal and relevant departments of the company about the locations of containers and cargoes to be loaded and unloaded ◆ Meet the customer's special requirements for container stowage onboard as much as possible
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency is:</p> <p>(i) Capable to calculate accurately and cautiously the cargo capacity and plan cargo spaces, and use safely and fully the ship's carrying capacity to enhance the effectiveness of its operation according to the characteristics of routing, ship type and freight service needs.</p>
8. Remarks	