1. Title	Plan and analyze hull stability and inclination tests
2. Code	EMSRIT406A
3. Range	Regarding ship stability assessment, use calculation and relevant inclining test technology and arrange hull stability and inclining tests so as to analyze and report on hull stability performance.
4. Level	4
5. Credit	3
6. Competency	Performance Requirements 6.1 Concerns for arrangement of hull stability and inclining tests ♦ Be familiar with basic content and calculation of lateral, longitudinal stability technology ♦ Master the concerns for the arrangement of hull stability and inclining tests, such as: • Items for work arrangement, such as preparation of tools, manpower and venue • Record and analysis of test results 6.2 Methods of in planning and analyzing hull stability and inclining tests ♦ Master the steps and key points of testing, and arrange hull stability and inclining tests ♦ Accurately analyze test records and extract information from test results in order to write the report 6.3 Professionalism in planning and analyzing hull stability and inclining tests ♦ Make good use of stability calculations and past experience, and use appropriate data in the test report ♦ Make reference of stability information of relevant ship types
7. Assessment Criteria	The integrated outcome requirements of this unit of competency are: (i) Capable to plan hull stability and inclining test procedures, ensuring that correct tools and equipment are used in the procedures; clearly record and process data; and (ii) Capable to use data collected for analysis and write test reports.
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses basic knowledge of calculation and hull stability and inclining tests (such as: EMSRIT303A “Hull-stability examination and inclination test”).