



REGISTERED NATIONAL STANDARD

UNIT OF COMPETENCY

Title:	Operational condition of a vessel and its safety equipment Note: This unit was adapted from NZQA registered standards: <ol style="list-style-type: none"> 1. 4137 Verify the operational condition of safety equipment on a vessel, version 4, and 2. 12306 Identify common parts, fittings, and equipment on a vessel, version 5 				
TQF Level:	4	Credits:	10	Version:	1
National standard code:	NS026-04				
Associated qualification (and code):	National Certificate in Whale Guiding Level 4 (QR-04-NQ-018-04-0903-19-01)				
Approval date:	11 June 2019		Review date:	11 June 2024	
Purpose:	People who are credited with this unit will be able to: <ol style="list-style-type: none"> 1. Describe the locations and functions of the common parts and operational areas of a vessel; 2. Describe the functions of fittings and equipment commonly used on a vessel in accordance with accepted industry practice; 3. Check the functionality of common parts, operational areas, and safety equipment on a vessel; 				

	4. Confirm the availability of equipment and seek replacement for non-operational and expired safety equipment.
Learning Outcome 1 (LO1)	Describe the functions of the main parts of a vessel in accordance to accepted industry practice.
Performance standards	<p>1.1 The functions of the main parts of a vessel are described; [Range: includes but is not limited to – <i>bow, stern, port, starboard, hull, centre line, amidships, water line, bilge, bilge pump, freeboard, collision bulkheads, scuppers, freeing ports.</i>]</p> <p>1.2 The functions of the main operational areas are described; [Range includes but is not limited to - <i>crew and/or passenger accommodation areas, decks, galley, holds, wheelhouse, cold storage, engine room, steering flat</i>]</p> <p>1.3 Deficiencies and damage to the main parts of a vessel are assessed and reported in accordance with vessel operating procedures.</p>
Learning Outcome 2 (LO2)	Carry out routine visual check of the main parts of a vessel and report on their structural soundness.
Performance Standards	<p>2.1 Main parts are checked in terms of their condition and in accordance with workplace policies and procedures; [Range – <i>condition of part or fitting, visible faults, identification of need for specialist assessment, etc.</i>]</p> <p>2.2 Reports are produced with completed data in accordance with workplace policies and procedures; and</p> <p>2.3 In the case of faults and defects identified, corrective actions are recommended in accordance with workplace policies and procedures.</p>
Learning Outcome 3 (LO3)	Check and confirm functionality of safety equipment on a vessel.
Performance standards	<p>3.1 Physical checks of safety equipment are conducted in accordance with equipment manufacturer’s instructions and vessel operating procedures;</p> <p>3.2 Equipment operability is tested where this testing does not compromise the future functionality of the equipment;</p> <p>3.3 Deficiencies and damage are recorded, and repair or replacement is initiated in accordance with vessel operating procedures; and</p> <p>3.4 Documentation relating to the recording of damaged or</p>

	deficient safety equipment is completed in accordance with vessel operating procedures.
Learning Outcome 4 (LO4)	Confirm the availability of safety equipment.
Performance standards	<p>4.1 Equipment holdings are checked and confirmed as correct against company safety equipment stores checklist in accordance with vessel operating procedures.</p> <p>4.2 Deficiencies in equipment holdings are recorded, and action initiated to procure replacement items at the next port of call.</p> <p>4.3 Equipment type carried on the vessel conforms to regulations on the carriage of safety equipment.</p>
Pre-requisites	N/A
Co-requisites	NS025-04
Underpinning skill and knowledge	Swimming skills; Maintaining buoyancy in water; Outboard-motor operation skills; General Science knowledge; Communication skills (Tongan and English); Map reading skills; Names and location of main seas and oceans; Tongan culture and traditions.
Suggested assessment methods	<p>1) Written theory exam (30%)</p> <p>2) Practical coursework (70%)</p> <p>Examples:</p> <ul style="list-style-type: none"> • Research and seminar presentation; • Simulation activities - safety equipment checks, etc.; • Work-place attachment. <p>PLEASE NOTE: This unit is competency-based. Refer to the section on Requirements to complete this unit for more information. Please consider this in your design and plan of assessment.</p>
Resource requirements	<ol style="list-style-type: none"> 1. Conventional physical resources such as classroom, student desks, etc.; 2. Computers plus internet access for students and staff; 3. Training boat installed with engine/outboard motor and with safety equipment/gear (or necessary arrangements made); 4. Basic first aid resources: bandages, dressings etc. 5. Relevant reading resources; and

	6. Unit outline.
Moderation arrangements	<p>Provider Moderation processes, OR TNQAB Moderation processes:</p> <ul style="list-style-type: none"> • Pre-marking • Intra-marking • Post-marking
Requirements to complete this unit	<p>Competency requirement for this unit is 100% (i.e. students must attain 100% of the performance standards to complete this unit). Those who fail to be competent after three (3) attempts will be required to re-enrol in the unit.</p>
Public comments on unit	<p>Please contact TNQAB National Qualifications Unit (email EnquireNQ@tnqab.to or Telephone 28136) if you like to discuss or suggest changes to the details of this unit.</p>