



REGISTERED NATIONAL STANDARD

UNIT OF COMPETENCY

Title:	Provide marine first aid and life support in whale-watching operations				
TQF Level:	4	Credits:	15	Release:	2
National standard code:	NS024-04				
Associated qualification (and code):	1. National Certificate in Whale Guiding Level 4 (QR-04-NQ-018-04-0903-19-01) 2. National Certificate in Whale watching and swimming guide Level 3 (QR-03-NQ-005-01-0903-24-01)				
Approval date:		13 June 2024	Review date:		13 June 2029
Modification history	Release 1 (R1)	R1 is now out-of-date and is only available for reference purposes			
	Release 2 (R2)	Release 2 (R2) is the current release of this unit, and is the product of a review exercise conducted in May 2024. R2 replaces R1. R2 is NOT equivalent to R1.			
Purpose:	People credited with this unit will be able to: 1 demonstrate adequate understanding of <i>marine first-aid</i> and the importance of <i>first aid and life support</i> in marine environments, 2 manage the safety of guests in a whale watch and swimming tour.				

Learning Outcome 1 (LO1)	Demonstrate understanding of marine first aid and life support and the main reasons as to why they are critical in whale-watching operations
Performance standards	1.1 The basic difference between first-aid and <i>life support</i> is described using examples; 1.2 The difference between <i>marine first aid</i> and other types of first aid is described; 1.3 Life support procedures in marine first aid and those in other types of first aid are compared and contrasted; 1.4 The importance of marine first aid and life support to whale watching operations are outlined.
Learning Outcome 2 (LO2)	Provide first aid in different emergency situations in a marine environment. [Range of situations: <i>drowning, fatigue, heart attack while in water, heart attack while on a boat, sunstroke, fainting, dehydration, hypothermia, shark bite, bleeding, bone fracture, ankle sprains, muscle cramps, heat-exhaustion, etc.</i>]
Performance Standards	2.1 The ABC of first-aid is demonstrated in accordance with international requirements; 2.2 Basic safety of a range of emergency marine situations is assessed in accordance with workplace requirements; 2.3 The condition of a person in an emergency condition is assessed and managed according to accepted practices for first aid; 2.4 Relevant information is collected and passed on to medical staff available [Range of information include but not restricted to: <i>age, medication, past history, last meal, events that make person feel unwell, etc.</i>] 2.5 Readily available or accessible resources are used in times of emergency; [Range of resources include but not restricted to: <i>a towel, a t-shirt, etc.</i>] 2.6 Relevant skills are used to respond to or treat a range of common emergencies or discomforts. [Range of skills include but not restricted to: <i>CPR, tying a wound, feeling a pulse, etc.</i>]
Learning Outcome 3 (LO3)	Provide basic life support.
Performance standards	3.1 Any danger created by the environmental conditions to people present is identified and managed in terms of mitigating any hazardous situation(s). 3.2 Person in an emergency is assessed in accordance with establishment first aid and emergency requirements; 3.3 Management of airway obstruction is provided in accordance with establishment first aid and emergency requirements;

	3.4 Management of the person in an emergency is provided according to person's condition and in accordance with establishment first aid and emergency requirements;
Learning Outcome 4 (LO4)	Manage safety during whale watching and swimming activities
	4.1 Monitor conditions and hazards, including signs of guest difficulty, to ensure safety and welfare. 4.2 Monitor guest behaviour and adherence to safety procedures, adjust level of supervision and assertively correct breaches, as required. 4.3 Respond immediately to hazardous situations including adverse guest reports and reactions. 4.4 Consistently assess risks and change or cease activities if risk is unacceptable; 4.5 Respond to emergency situations in accordance with standard safety, emergency response and first aid procedures.
Pre-requisites	N/A
Co-requisites	N/A
Underpinning skills and knowledge	<u>Knowledge:</u> a) General science knowledge b) Marine first aid c) ABC of first aid d) Life support e) Emergency situations in marine environments f) Cardiopulmonary resuscitation (CPR) <u>Skills:</u> a) ABC of first-aid b) CPR c) Marine first aid for a range of emergency and rescue situations; d) Communication skills (Tongan and English) e) Map reading skills – names of places f) Swimming skills; g) Maintaining buoyancy in water; h) Outboard-motor operation skills.
Assessment requirements	<u>Methods of assessment:</u> A range of assessment methods should be used to assess students' knowledge and

application of skills. These shall include but not restricted to the following:

- 1) Direct observation of students performing certain tasks as described below in the *context of assessment*.
- 2) Written assessments such as:
 - (i) Poster or chart making – demonstrating procedures (e.g. maintenance and repair)
 - (ii) Written tests
 - (iii) Student portfolios;
 - (iv) Review of workplace attachment reports (e.g. Supervisor/third party reports)
- 3) Oral assessment as in seminar presentations and one-on-one interview
- 4) A combination of all of the above methods. Examples:
 - (i) During an observation assessment, and depending on the skills and knowledge that are being assessed, a student may also be required to give oral responses to questions asked by the assessor to clarify or ascertain assessed skills and knowledge;
 - (ii) Students may be required to also submit written answers or report after an observation assessment (or seminar presentation)

Context of assessment:

To support student assessment and to ensure they are valid, reliable, flexible, and fair, a training provider is encouraged to make the necessary arrangements to involve the relevant key industry organizations and experts in the planning and delivery of training. Industry organizations and individuals can be engaged in a variety of capacities:

- a) To contribute to the design and implementation of the curriculum and assessment activities;
- b) As trainers, assessors, or assessment moderators;
- c) As hosts for students on workplace attachment;
- d) As supervisors of students on workplace attachment;
- e) Etc.

To show that learners have attained the required competency they will need to **demonstrate** and **apply** their knowledge in the workplace or in an environment that closely resembles the workplace) in relation to:

- a) LO1: Demonstrate understanding of marine first aid and life support and the main reasons as to why they are critical in whale-watching operations
- b) LO2: Provide first aid in different emergency situations in a marine environment.
- c) LO3: Provide basic life support.
- d) LO4: Manage safety during whale watching and swimming activities

	<u>Evidence of competence</u> 1) The assessment of competence and the collection of evidence must be in accordance with local industry and regulatory requirements; 2) Evidence must clearly show that knowledge and skills have been acquired to the expected standards of performance 3) All knowledge and skills should be contextualised to current industry practices and technologies; 4) Each LO must be demonstrated on at least TWO occasions. 5) Sources of evidence need to be rich in nature to minimise error in judgment. <u>Re-assessment</u> Candidates of assessment are eligible to three (3) attempts to achieve the required competency within 14 days of their first attempt: 1. Feedback must be provided to the candidate and sufficient time provided to prepare for re-assessment. 2. The trainer/assessor has the discretion to vary the assessment tasks used in each assessment attempt as long as: a) the same competencies are being assessed; b) quality principles of assessment are adhered to. Failure to achieve the required competency after three (3) attempts on the exam or specific part of the assessment will require the person studying this Unit to re-enrol for the same Unit.
Moderation arrangements	1) Training providers must have their own moderation system approved by TNQAB before accreditation is granted: a. Relevant internal moderation processes are documented; b. Assessment is planned for each unit, and moderation processes are integrated into such plan 2) External moderation is conducted by the national qualifications unit of TNQAB for all unit components of national qualifications; a. Samples of assessed activities are submitted for moderation; b. Moderation (external) forms are available on request from the National qualifications unit of TNQAB.
Resource requirements	1) <u>Human resources:</u> a) Trainer – meeting established requirements by TNQAB; b) Skipper (licensed) or arrangement made with a qualified skipper) 2) <u>Documents</u> Compilation of relevant teaching resources (online or offline – printed or electronic) at the discretion of trainer/assessor. Examples include but not restricted to:

	a) Printout of this unit b) General teaching and assessment (including moderation) plans c) Printed resources (book chapters, webpages, etc.) d) Printed lists of electronic resources, including titles and locations of multimedia resources and videos (downloaded or web-based). 3) <u>Equipment and tools:</u> a) Boat (at least 7m) to safely hold 10 people per boat (including skipper/crew) b) First-aid kit (marine) c) CPR dummy d) Outboard 2 or 4-stroke engine (60 hp) e) Fire-extinguisher f) Mooring robes, size 12mm – 20mm (x10) g) VHF radio; h) Beacon (EPIRB) i) Life jackets (one per person including skipper/crew), j) Life-rings k) Anchor with warp and chain 4) <u>Conventional physical resources</u> a) Classroom, student desks, etc.; b) Computers plus internet access for students and staff;
Requirements to complete this unit	There are four (4) Learning outcomes and nineteen (19) Performance standards to measure competence. To demonstrate competence, the person studying this unit is: 1) Required to attain an Achieved Grade (Competent) to fulfil the requirements of the Unit standard; 2) Eligible to three (3) attempts to achieve the required competency within 14 days of the first attempt.
Public comments on unit	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.