



**Maldives National Skills Development Authority**



# **National Competency Standard for Boat Operations**

**Standard Code: TRNS01V1/20**

**Qualification Name: National Certificate III in Boat Operations**  
**Qualification Code: TRNS01Q1L3V1/20**

## PREFACE

Technical and Vocational Education and Training (TVET) Authority was established with the vision to develop a TVET system in the Maldives that is demand driven, accessible, beneficiary financed and quality assured, to meet the needs of society for stability and economic growth, the needs of Enterprise for a skilled and reliable workforce, the need of young people for decent jobs and the needs of workers for continuous mastery of new technology.

TVET system in the Maldives flourished with the Employment Skills Training Project (ESTP) funded by ADB with the objective of increasing the number of Maldivians, actively participating in the labor force, employed and self-employed. The Project supported expansion of demand driven employment-oriented skills training in priority occupations and to improve the capacity to develop and deliver Competency Based Skill Training (CBST). The project supported delivery of CBST programs to satisfy employer demand-driven needs.

Recognizing the importance of developing the youth sector to enable Maldives to transition from an upper-middle-income country to high-income country, the World Bank Country Partnership Framework (CPF) proposes to finance the Maldives Enhancing Employability and Resilience of Youth (MEERY) project. As part of the MEERY project is financing for skills development and entrepreneurship in priority sectors such as tourism, ICT and construction sector MEERY continues to provide support to TVET Authority to develop National Occupational Standard, instructional materials, assessment resource book and trainees log book for the National Occupational Standard for "Boat Operator". As part of the MEERY Project, TVET Authority has only undertaken to review standard which were developed in the ESTP Project to increase the economic opportunities for youth's trainees and promote equitable economic & social development in the country.

The National Competency Standards (NCS) provide the base for this training. Currently CBST is offered for six key sectors in the Maldives: Tourism, Fisheries and Agriculture, Transport, Construction, Social and the Information and Technology sectors. These sectors are included as priority sectors that play a vital role in the continued economic growth of the country.

The NCS are developed in consultation with Employment Sector Councils representing employers. They are designed using a consensus format endorsed by the Maldives Qualifications Authority (MQA) to maintain uniformity of approach and the consistency of content amongst occupations. This single format also simplifies benchmarking the NCS against relevant regional and international standards. NCS specify the standards of performance of a competent worker and the various contexts in which the work may take place. NCS also describes the knowledge, skills and attitudes required in a particular occupation. They provide explicit advice to assessors and employers regarding the knowledge, skills and attitudes to be demonstrated by the candidates seeking formal recognition for the competency acquired following training or through work experience. By sharing this information, all participants in the training process have the same understanding of the training required and the standard to be reached for certification. Certification also becomes portable and can be recognized by other employers and in other countries with similar standards.

NCS are the foundation for the implementation of the TVET system in Maldives. They ensure that all skills, regardless of where or how they were developed can be assessed and recognized. They also form the foundation for certifying skills in the Maldives National Qualification Framework (MNQF).

NCS are developed by the Technical and Vocational and Education Training Authority of Ministry of Higher Education. The NCS are endorsed by the Employment Sector Councils of the respective sectors and validated by the Maldives Qualification Authority.





Mohamed Hashim  
Minister of State for Higher Education  
TVET Authority



Ahmed Nisham  
Director, Standard Development & Statistics  
TVET Authority

TECHNICAL PANEL MEMBERS			
#	Name	Designation	Organization
01	Captain Ahmed Jabir	Lecturer and Consultant	Maritime Academy of Maldives
02	Hussain Nazeer	Assistant Director	Maldives Transport Authority
03	Mohamed Ziyaau	Deputy Training Officer	Maldives National Defense Force/ Coast Guard
04	Abdul Latheef Ali	Deputy Director Policy, Planning and Standards	Maldives National Defense Force/ Coast Guard
05	Mohamed Fazeen	Chief Inspector of Police	Maldives Police Service
06	Mohamed Shaneez	Manager	Maldives Transport and Contracting Company
07	Hussain Hameed Moosa	Associate Lecturer	Centre for Maritime Studies, Maldives National University
08	Hussain Aamil	Manager	Island Watersports Pvt Ltd

VERSION	DEVELOPER	DATE	STANDARD CODE
V1	Maldives Institute of Technology	29 <sup>th</sup> September 2020	TRNS01V1/20

EMPLOYMENT SECTOR COUNCILS			
#	Name	Designation	Organization
01	Captain Adhil Rasheed	CEO	Maritime Academy of Maldives
02	Fathimath Nishar	Assistant Director	Ministry of Youth, Sports, and Community Empowerment
03	Ahmed Ifthikhar	Director	Ministry of Economic Development
04	Hussain Nazeer	Assistant Director	Maldives Transport Authority
05	Captain Ahmed Zubair	Lecturer	Centre for Maritime Maldives, Maldives National University
06	Ahmed Shahid	Port Captain	State Trading Organization (STO)
07	Abdulla Mohamed	Director Airworthiness	Maldives Civil Aviation Authority
08	Ahmed Haleem	Deputy Director	Maldives Transport Authority
09	Abdul Razzaq Adam	Assistant Lecturer	Maldives Polytechnic
10	Aishath Neesha Khaleel	Assistant General Manager	Maldives Ports Limited (MPL)
11	Ali Fathih	Transport Service Department Manager	Maldives Transport Contracting Company
National Occupational Standard has been endorsed by:			
 Captain Adhil Rasheed Chairperson Transport Employment Sector Council		 Fathimath Nishar Vice-Chairperson Transport Employment Sector Council	
Technical and Vocational Education and Training Authority Ministry of Higher Education Handhuvaree Hingun, M. World Dream Male', Maldives			
Date of Endorsement: 29 <sup>th</sup> September 2020		Date of Revision: NA	



## Standard Development Process

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To begin with, Boat Operator occupations were profiled through study of the occupation across Maldivian workplaces. Referred occupational profiling process led to the development of the Draft Occupational Standard.

Draft occupational standard is then used to undertake functional analysis of the Boat Operator occupation and the referred functional process was undertaken with participation of industry experts. For strengthening the development of the National Occupational Standard, a panel with technical experts was formed. The members provide technical support which needs to be included in the developed standard.

Once the standard is finalized among the panel, after the recommendation this is later been submitted to the Transport Employment Sector Council. A brief report on how National Occupational Standard for Boat Operator was developed is presented to the council. Council members then ensures that the industry need has been catered in the standard and once the standard full fills the recommendation the standard has been endorsed by the council.

After endorsing the standard from the Transport Employment Sector Council, the final document is submitted to Maldives Qualification Authority (MQA) for approval. After the approval of MQA the National Occupational Standard for Boat Operator is published, which would be then used by training providers.

## Description of “Boat Operator” program

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Boat operators remain as the key personnel responsible safe operation of diverse range of maritime vessels across the Maldives. Referred maritime vessels range from passenger crafts, cargo vessels, diving boats, atoll and island ferries etc.

Proper training of Boat Operators will facilitate delivery of safe and quality services to all while maritime transportation remains as the most important segment of people and goods transportation across the Maldives.

Besides that, proper training of Boat Captains will facilitate increased life of maritime vessels as the knowledge and skills learnt from the boat operators can be applied for improved handling of vessels and their engines.

## Job opportunities upon completion of “National Certificate III in Boat Operations”

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Upon successful completion of the National Certificate III in Boat Operations, students can work in the following jobs.

1. *Boat Captain of ferry*
2. *Boat Captain of domestic cargo vessel*
3. *Captain of Boats used for Water Sports*
4. *Captains of Boats used for pleasure craft*
5. *Boat and Speedboat Captain of Fishing Vessel*
6. *Captains of safari boats*
7. *Captains of Luxury Vessels*
8. *Captains of Bare Boats*

## KEY FOR CODING

### Coding Competency Standards and Related Materials

DESCRIPTION	REPRESENTED BY
Industry Sector as per ESC (Three letters)	Construction Sector (CON) Fisheries and Agriculture (FNA) Information, Communication and Technology (ICT) Transport Sector (TRN) Tourism Sector (TOU) Social Sector (SOC) Foundation (FOU)
Competency Standard	S
Occupation with in an industry sector	Two digits 01-99
Unit	U
Common Competency	CR
Core Competency	CM
Optional / Elective Competency	OP
Assessment Resources Materials	A
Learning Resources Materials	L
Curricular	C
Qualification	Q1, Q2 etc.
MNQF level of qualification	L1, L2, L3, L4 etc.
Version Number	V1, V2 etc.
Year of endorsement of standard, qualification	By “/” followed by two digits responding to the year of last review, example /20 for the year 2020

1. Endorsement Application for Qualification 01		
2. NATIONAL CERTIFICATE III IN BOAT OPERATIONS		
3. Qualification code: TRNS01Q1L3V1/20		Total Number of Credits: 77
<b>4. Purpose of the qualification</b> This qualification describes the performance outcomes, skills and knowledge required to handle vessels being used across the Maldivian seas. By the end of the program, students will be competent to undertake work tasks related to performing safe, smooth and effective operations of boats.		
5. Regulations for the qualification		National Certificate III in Boat Operations will be awarded to those who are competent in units 1+2+3+4+5+6+7+8+9+10+11+12+13+14+15+16+17+18+19
6. Schedule of Units		
Unit No	Unit Title	Code
Common Competencies		
01	Apply work ethics and professionalism	TRNCM02V1/20
02	Provide effective customer care	TRNCM05V2/20
03	Perform basic computer operations	TRNCM06V2/20
Core Competencies		
04	Practice personal safety and social responsibilities	TRNS01CR04V1/20
05	Apply Basic Fire Prevention and Fire Fighting Skills	TRNS01CR05V1/20
06	Practice Personal Survival Techniques	TRNS01CR06V1/20
07	Apply elementary first aid skills	TRNS01CR07V1/20
08	Apply awareness on ship security	TRNS01CR08V1/20
09	Perform navigation and chart works	TRNS01CR09V1/20
10	Undertake bridge watch keeping	TRNS01CR10V1/20
11	Operate electronic navigation equipment	TRNS01CR11V1/20
12	Operate radio communication system	TRNS01CR12V1/20
13	Comply with maritime regulations	TRNS01CR13V1/20
14	Perform cargo handling and stowage	TRNS01CR14V1/20
15	Perform vessel handling	TRNS01CR15V1/20
16	Apply meteorological knowledge and skills	TRNS01CR16V1/20
17	Familiarize with ship construction, stability and damage control	TRNS01CR17V1/20
18	Process financial transactions	TRNS01CR18V1/20
19	Operate and maintain vessel's engine and system	TRNS01CR19V1/20
7. Accreditation requirements		The training provider should place trainees in relevant industry or sector to provide the trainees the hands-on experience exposure related to this qualification.
8. Recommended sequencing of units		As appearing under the section 06

## Units Details

#	Unit Title	Code	Level	No. of Credits	Credit Hours	Contact Hours
01	Apply work ethics and professionalism	TRNCM02V1/20	III	03	30	15
02	Provide effective customer care	TRNCM05V2/20	III	05	50	25
03	Perform basic computer operations	TRNCM06V2/20	III	03	30	15
04	Practice personal safety and social responsibilities	TRNS01CR04V1/20	III	03	30	15
05	Apply Basic Fire Prevention and Fire Fighting Skills	TRNS01CR05V1/20	III	05	50	25
06	Practice Personal Survival Techniques	TRNS01CR06V1/20	III	04	40	20
07	Apply elementary first aid skills	TRNS01CR07V1/20	III	05	50	25
08	Apply awareness on ship security	TRNS01CR08V1/20	III	03	30	15
09	Perform navigation and chart works	TRNS01CR09V1/20	III	04	40	20
10	Undertake bridge watch keeping	TRNS01CR10V1/20	III	06	60	30
11	Operate electronic navigation equipment	TRNS01CR11V1/20	III	04	40	20
12	Operate radio communication system	TRNS01CR12V1/20	III	04	40	20
13	Comply with maritime regulations	TRNS01CR13V1/20	III	04	40	20
14	Perform cargo handling and stowage	TRNS01CR14V1/20	III	03	30	15
15	Perform vessel handling	TRNS01CR15V1/20	III	04	40	20
16	Apply meteorological knowledge and skills	TRNS01CR16V1/20	III	06	60	30
17	Familiarize with ship construction, stability and damage control	TRNS01CR17V1/20	III	04	40	20
18	Process financial transactions	TRNS01CR18V1/20	III	04	40	20
19	Operate and maintain vessel's engine and system	TRNS01CR19V1/20	III	03	30	15
Total				77	770	385

### Packaging of National Qualifications:

National Certificate III in Boat Operations will be awarded to those who are competent in units 1+2+3+4+5+6+7+8+9+10+11+12+13+14+15+16+17+18+19

**Qualification Code:** TRNS01Q1L3V1/20



## COMPETENCY BASED ASSESSMENT

The final assessment of the National Competency-Based Programmes conducted by the Maldives National Skills Development Authority (MNSDA) is a competency-based assessment.

The Competency-Based Assessment ensures that the students' performance meets the requirements specified in the National Competency Standards (NCS). This assessment approach is designed to verify that graduates are job-ready and meet established occupational competency requirements within their respective fields.

### Eligibility for Final Assessment

To be eligible for the final Competency-Based Assessment, students must fulfil the following conditions:

- achieve a **minimum of 80%** attendance
- deemed competent in each of the units of the programme in the pre-assessment

### Competency-Based Assessment Process

Upon submission of the Pre-assessment report by the training provider, MNSDA will check for all the necessary supporting documents and conduct Competency-Based Assessment through a National Assessor registered with MNSDA. It is important to note that any trainer involved in the training process is **not permitted** to conduct the assessment to maintain impartiality and integrity of the process.

The final Competency-Based Assessment conducted by MNSDA includes both:

- **Theory:** Evaluating students' knowledge and understanding of key theoretical aspects of the competency.
- **Practical:** Assessing hands-on skills and application of knowledge in real-world or simulated environments.

Once the assessment is completed, the National Assessor will send the Competency-Based Assessment Report to MNSDA.

### Competency Status Requirement

For certification to be granted, the student must be officially declared "**Competent**" in each of the units of the programme by the National Assessor.

### Conclusion

Competency-Based Assessment is a critical component in ensuring the quality and credibility of technical and vocational skills-based training. By adhering to the outlined procedure, MNSDA upholds the standards required to certify students who are fully prepared to meet industry demands.