

NATIONAL COMPETENCY STANDARDS FOR MASON (CERTIFICATE 2&3)

TVET QUALITY COUNCIL BHUTAN QUALIFICATIONS AND PROFESSIONALS CERTIFICATION AUTHORITY THIMPHU, BHUTAN: NOV 2023

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FOREWORD

The TVET Quality Council, BQPCA is pleased to present the National Competency Standards (NCS) for MASON, BQF Certificate 2 and 3, which is developed in consultation with the field experts and trainers. The main objective of developing National Competency Standards is to set up a well-defined nationally recognized TVET Qualifications that will help in setting a benchmark for the TVET Qualifications in our country aligned to the international best practices.

The standards are developed to ensure that the TVET trainees possess the desired Skills, Knowledge and Attitude required by the industries. In order to ensure the relevancy of the competencies, the standards are developed in close consultation and partnership with industry experts and trainers from training institutes.

A training system based on National Competency Standards shall ensure that the training is relevant to the needs of the labour market. As a result, future TVET trainees will be better skilled to meet the needs and expectations of industries and employers. Such a positive impact on the employability of TVET graduates will enhance the reputation of the TVET system and make it attractive to the youths. While acknowledging the existing level of cooperation and collaboration, the Council earnestly requests employers and training providers to extend the fullest support and cooperation in development and implementation of the National Competency Standards. The ultimate objective is to build a competent and productive national workforce that will contribute to the socio-economic development of our country. We gratefully acknowledge the valuable contributions made by experts from industries and trainers during the consultation and validation processes of the NCS development. We further look forward to improved industry engagement and active participation of trainers in the development of a guality-assured demand driven TVET system.

Director BQPCA

ACKNOWLEDGEMENT

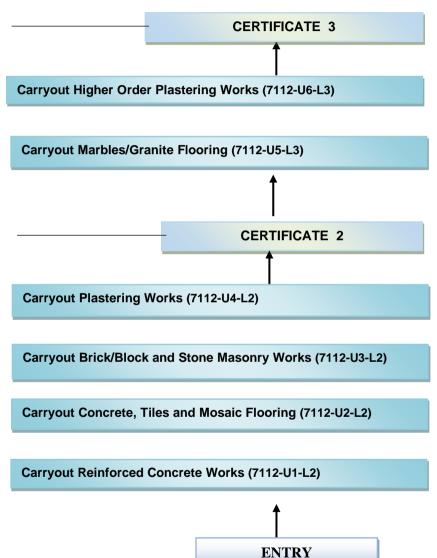
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PACKAGING OF QUALIFICATIONS



Un	it Title	Element of Competence
1.	Carryout Reinforced Concrete Works	1.1 Prepare Formworks1.2 Prepare Concrete Mix1.3 Perform Bar Bending and Binding1.4 Perform Reinforced Concrete Work
2.	Carryout Bricks/Blocks and Stone Masonry Works	2.1 Prepare Scaffolds2.2 Prepare Mortar Mix2.3 Perform bricks/Blocks Masonry Work2.4 Perform Stone Masonry Work
3.	Carryout Concrete, Tiles and Mosaic Flooring	3.1 Prepare Concrete Mixture3.2 Perform Concrete Flooring3.3 Perform Tiles Flooring3.4 Perform Mosaic Flooring
4.	Carryout Plastering Works	4.1 Prepare Mortar Mix4.2 Prepare Scaffolding4.3 Perform Plastering Work
5.	Carryout Marble/Granite Flooring	5.1 Prepare Concrete Mixture5.2 Lay Marbles/Granite5.3 Lay Epoxy Flooring
6.	Carryout Higher Order Plastering Works	6.1 Prepare Mortar Mixture6.2 Plaster the Surface6.3 Perform POP Plastering6.4 Apply Texture and Pebble Dash on Plastering

UNIT TITLE	Carryout Reinforced Concrete Works
DESCRIPTOR	This unit covers the competencies required to prepare formwork, concrete mix, bar bending and bar binding and reinforced work
CODE	7112-U1-L2
ELEMENTS OF COMPETENCE	PERFORMANCE CRITERIA
1. Prepare Formwork	 1.1 Select and use appropriate <i>Personal</i> <i>Protective Equipment (PPE</i>) according to job requirement 1.2 Select and use <i>tools and equipment</i> as per the job requirement following standard procedures 1.3 Estimate and select the formwork materials required as per drawings and job specifications following standard procedures 1.4 Prepare form work components according to drawing following standard procedures 1.5 Fix components as per the dimension of members securely in position following standard procedures 1.6 Perform the alignments/leveling of the formwork following standard procedures

	 1.7 Perform final surface preparation of the formwork following standard procedures 1.8 Remove formwork in compliance with safety rules following standard procedures 1.9 Clean and store the form work following standard practices
2. Prepare Concrete Mix	 2.1 Check and use concrete mixing tools and equipment according to the job requirement 2.2 Prepare mix materials as per the job requirement following standard procedures 2.3 Mix materials as per the job requirement following standard procedures 2.4 Transport concrete mix as per the job requirement following standard procedures
3. Perform Bar Bending and Binding	 3.1 Select and use bending tools and equipment as per the job requirement following standard practices 3.2 Prepare the reinforcement bars as per the job requirement following standard practices 3.3 Cut the reinforcement bars as per the job requirement following standard practices 3.4 Bend the reinforcement bars as per the job requirement following standard practices

	3.5 Lay and bind the reinforcement bars as per the job requirement following standard procedures
4. Perform Reinforced Concrete Work	 4.1 Prepare surfaces as per the job requirement following standard procedures 4.2 Layout the <i>structures</i> in accordance with drawing specifications following standard procedures 4.3 Lay/pour concrete as per the job requirement to required specifications following standard procedures 4.4 Compact the concrete using <i>compacting methods</i> before initial setting takes place as per the standard practices 4.5 Cure the surface as per the job requirement following standard procedures

RANGE STATEMENT

Personal Protective Equipment (PPE) may include but not limited to:

 Goggles Helmet Safety boots Ear plugs or ear muffs Dust masks Reflector Vest 	 Gloves Gum Boots Safety Belt Uniform Apron Safety Ribbon
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Tools and equipment may include but not limited to:		
 Mixture Machine Shovel Binding Hook Hammer Bending Die Try square Mortar Pan Wheel Barrow Water level/spirit level Hacksaw blade and frame Rod Binding Machine Circular Saw Jig Saw Adjustable Props Gauge Box Tapper Plumb Bob Trowel Bucket Mason Thread Vibrator Rammer Rod Bending Machine Claw Bar Claw Hammer 		
 Beam Footing Slab 	ColumnWalls	
Compacting methods may include bu	t not limited to:	
Manual Compaction	Mechanical Compaction	
Critical Aspects		
 Demonstrate compliance with occupational health and safety regulations applicable to work operations at all times Identify and estimate quantity of materials in accordance with specifications and job requirements Mix materials ensuring specified mix proportions as per the job requirement and specifications Carryout curing of concrete as per the standard practices 		

• Lay and bind the reinforcement bars as per the job requirement following standard procedures

UNDERPINNING KNOWLEDGE	UNDERPINNING SKILLS
 Ethics and Integrity Occupational Health and Safety (OHS) regulations Estimation of Materials Unit Conversion Layouts and drawing specifications Interpretation of Technical drawings Curing Method Compacting methods Formworks Concrete mixing methods Mix Ratio Types / sizes of reinforcements Methods of binding and bending Repair and maintenance work Lapping 	 Team Work Communication Problem Solving Interpersonal Relationship Creativity Time Management

UNIT TITLE	Perform Brick/Block and Stone Masonry Works	
DESCRIPTOR	This unit covers the competencies required to prepare scaffolds, mortar mix, bricks/blocks masonry and stone masonry work	
CODE	7112-U2-L2	
ELEMENTS OF COMPETENCE	PERFORMANCE CRITERIA	
1. Prepare Scaffolds	 1.1 Select and use Personal Protective Equipment (<i>PPE</i>) according to the job requirements 1.2 Select and use <i>tools and equipment</i> as per the job requirement following standard procedures 1.3 Prepare estimate of materials required according to the job requirements 1.4 Prepare scaffolds components as per the job requirement following standard procedures 1.5 Erect and assemble <i>scaffolds components</i> as per the job requirements following standard procedures 1.6 Dismantle scaffolds as per the job requirement following standard procedures 1.7 Store/stockpile components following standard procedures 	

2.	Prepare Mortar Mix	 2.1 Prepare the surface/mixing machines for mixing of mortar as per the job requirement 2.2 Mix materials as per the job requirement following standard procedures 2.3 Transport mortar mix as per the job requirement following standard procedures
3.	Perform Bricks/Blocks Masonry Work	 3.1 Prepare bricks / blocks as per the job requirement following standard procedures 3.2 Prepare surfaces as per the job requirement following standard procedures 3.3 Layout the <i>structures</i> in accordance with drawing specifications following standard procedures 3.4 Lay mortar mixture as per the job requirement following standard procedures 3.5 Lay bricks / blocks as per the job equirement following standard procedures 3.6 Place bars as per job requirements following drawing specifications 3.7 Provide pointing as per job requirement following standard procedures 3.8 Cure the surfaces as per the job requirement following standard procedures

4. Perform Stone Masonry	 4.1 Prepare / dress stones as per the job requirement following standard procedures 4.2 Prepare surfaces as per the job requirement following standard procedures 4.3 Layout the structures in accordance with drawing specifications following standard procedures 4.4 Lay stones as per the job requirement following standard procedures 4.5 Lay cement mortar/mud as per the job requirement following standard procedures 4.6 Place bars as per job requirements following drawing specifications 4.7 Provide pointing as per job requirement following standard procedures 4.8 Cure the surfaces as per the job requirement following standard procedures
	following standard procedures

RANGE STATEMENT

Personal Protective Equipment may include but not limited to:

 Goggles Helmet Safety Boots Ear Plug/Muff Dust mask 	 Apron Gloves Safety Belt Uniform
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Tools and Equipment may include but not limited to:		
 Trowel Measuring tape Mason Hammer Plumb Bob Gauge box Chisel Stone cutter Angle Grinder Concrete Cutter Hand Saw Demolishing Hammer 	 Water level/spirit level Mortar pan Try square Float Sledge Hammer Tile Cutter Spade Shovel Mason thread Circular Saw 	
Scaffold components may include but not limited to:		
 Timber Beams Planks Bamboo Steel Scaffold 	 Steel tube and sheet Nuts and bolts Rope Safety Harness 	
Structures may include but not limite	d to:	
WallsDrains	Column	
Critical Aspects		
 Demonstrate compliance with occupational health and safety regulations applicable to work operations at all times Lay bricks, blocks and stones as per the drawing and specification following standard procedures Prepare mortar mix following standard procedures as per the specifications / mix ratio 		

UNDERPINNING KNOWLEDGE	UNDERPINNING SKILLS
 Ethics and Integrity Occupational Health and Safety (OHS) Regulations Fundamentals of Masonry Composition, properties and specifications of masonry materials Types of Structures Structural bonds and joints Requirements of weep holes Estimation of Materials Classification and Qualities of bricks Different Sizes and Uses of Bricks and blocks Types of stone and stone masonry Unit conversions Layouts and drawing specifications Curing methods Mortar mix preparation methods Types of scaffolds 	 Team Work Communication Problem Solving Interpersonal Relationship Creativity Time Management

UNIT TITLE	Perform Concrete, Tiles and Mosaic Flooring	
DESCRIPTOR	This unit covers the competencies required to prepare concrete mixture, concrete flooring, tiles and mosaic flooring following standard procedures	
CODE	7112-U3-L2	
ELEMENTS OF COMPETENCE	PERFORMANCE CRITERIA	
1. Prepare Concrete Mixture	 1.1 Select and use <i>Personal Protective Equipment (PPE</i>) as per the job requirement 1.2 Interpret drawing / layout and specification according to the job requirement 1.3 Select <i>materials</i> according to job requirement 1.4 Select and use required <i>tools and equipment</i> as per the job requirement 1.5 Prepare materials as per the job requirement 1.6 Mix materials as per the job requirement following standard procedures 1.7 Transport concrete mix as per the job requirement 	

2. Perform Concrete	2.1 Prepare surfaces as per the job requirement
Flooring	following standard procedures
	2.2 Lay the concrete mixtures as per the job
	requirement following standard procedures
	2.3 Compact the concrete mixtures/surface
	following standard procedures
	2.4 Plaster the floor surfaces following standard
	practices following standard procedures
	2.5 Prepare and apply cement slurry to the
	surfaces as per the job requirement following
	standard procedures
	2.6 Cure the floor surfaces following standard
	practices following standard procedures
3. Perform Tiles	3.1 Prepare surfaces as per the job requirement
Flooring	following standard procedures
	3.2 Prepare tiles as per the job requirement
	following standard procedures
	3.3 Plaster the floor surfaces as per the job
	requirement following standard procedures
	3.4 Prepare and apply cement slurry as per the
	job requirement following standard
	procedures
	3.5 Lay floor tiles as per the job requirement
	following standard procedures

	3.6 Cure the floor surfaces following standard practices3.7 Finish the floor surfaces as per the job requirement following standard procedures
4. Perform Mosaic Flooring	 4.1 Prepare surfaces as per the job requirement following standard procedure 4.2 Place the <i>strips</i> as per the job requirement following standard practices 4.3 Prepare mosaic mix as per the job requirement following standard practices 4.4 Pour the mosaic mixtures as per the job requirement following standard procedure. 4.5 Level the mosaic mixtures/surfaces following standard procedures 4.6 <i>Finish</i> the floor surfaces as per the job requirement following standard procedures

RANGE STATEMENT	
Personal Protective Equipment (PPE) r	nay include but not limited to:
 Goggles Helmet Safety boots Ear plug/muff Dust mask 	 Apron Gloves Safety belt Uniform
Materials may include but limited to:	
 Marble chips Granite White Cement/Grey Cement Tools and equipment may include but it	 Tiles Glass Coloring Agent
 Mason Hammer Trowel Chisel Measuring Tape Try Square Mason Thread Spirit level Bucket Mortar Pan Vacuum Lifter Chamfering Machine Manual Tile Cutter Slurry Mixer Dumpy Level 	 Sponge/form Wooden/steel float Shovel Spade Wire Brush Screeds(wooden/steel) Grinder Wooden/steel edge Tile vibrator Drilling Machine Glass Cutter Tile Hole Marker Tile Laser Notch Trowel
Strips may include but not limited to:	
GlassMetal	• PVC

Finish may include but not limited to:

- Shine
- Grind

Critical Aspects

• Demonstrate compliance with hygiene and safety regulations applicable to work operations at all times

Polish

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- Prepare the flooring materials as per the job requirements
- Finish the floor surfaces as per the job requirement following standard procedures

UNDERPINNING KNOWLEDGE	UNDERPINNING SKILLS
 Ethics and Integrity Occupational Health and Safety (OHS) Regulations Composition, properties and specifications of flooring mixtures Economic use of materials Estimation of materials Repair and maintenance Work Tiles design and decorations 	 Team Work Communication Problem Solving Interpersonal Relationship Creativity Time Management

UNIT TITLE	Carryout Plastering Works
DESCRIPTOR	This unit covers the competencies required to prepare mortar mix, prepare scaffolding and perform plastering work
CODE	7112-U4-L2
ELEMENTS OF COMPETENCE	PERFORMANCE CRITERIA
1. Prepare Mortar Mix	 1.1 Select and use <i>Personal Protective Equipment (PPE), tools and equipment</i> in accordance with the job requirements 1.2 Estimate materials required as per job specifications 1.3 Prepare the surface/mixing machines for mixing of mortar as per the job requirement. 1.4 Mix <i>materials</i> as per the job requirement following standard procedures 1.5 Transport mortar mix as per the job requirement following standard procedures
2. Prepare Scaffolds	 2.1 Select and use PPE according to the job requirements 2.2 Select and use tools and equipment as per the job requirement following standard procedures

	2.3 Prepare estimate of materials required based on the job requirements
	<i>,</i> ,
	2.4 Prepare scaffolds components as per the job
	requirement following standard procedures
	2.5 Erect and assemble scaffolds components as
	per the job requirements following standard
	procedures
	2.6 Dismantle scaffolding as per the job
	requirement following standard procedures
	2.7 Store or stockpile components following
	standard procedures
3. Perform Plastering	3.1 Prepare the surface to be plastered as per the
Work	job requirement following standard procedures
	3.2 Prepare and apply cement slurry as per the job
	requirement following standard practices
	3.3 Apply mortar mix as per the job requirement to
	the required specifications following standard
	procedures
	3.4 Cure the plastered surfaces as per the job
	requirement following standard practices

RANGE STATEMENT	
Personal Protective Equipment (PPE)	nay include but not limited to:
 Goggles Helmet Safety Boots Ear plug/Muff Dust Mask Tools and Equipment may include but	 Apron Gloves Safety Belt Uniform
 Mason Hammer Trowels Measuring Tape Mason Thread Plumb Bob Leveling tools (water level, spirit level) Mortar Pan Plastering Machine 	 Wooden Float Steel Float Shovel Spade Wire Brush Screeds (wooden/steel) Rendering Machine Mortar Mixer
Materials may include but not limited to Sand Water Admixture	 Cement Lime Wire Mesh
 Critical Aspects Demonstrate compliance with occupa applicable to work operations at all tim Mix materials as per the job requireme Plaster to required alignments and thi 	nes ent following standard procedures

UNDERPINNING KNOWLEDGE	UNDERPINNING SKILLS
 Ethics and Integrity Occupational Health and Safety (OHS) Regulations Composition, properties and specifications of plastering materials Economic use of materials Estimation of Materials Purpose of plastering Types of plastering Methods of plastering Defects in plastering 	 Team Work Communication Problem Solving Interpersonal Relationship Creativity Time Management

UNIT TITLE	Carryout Marble/Granite Flooring	
DESCRIPTOR	This unit covers the competencies required to carry out marble and granite flooring works following standard procedures	
CODE	7112-U5-L3	
ELEMENTS OF COMPETENCE	PERFORMANCE CRITERIA	
1. Prepare Concrete Mixture	 1.1 Interpret drawings / layout and specifications according to the job requirements 1.2 Select <i>materials</i> according to job requirements 1.3 Select and use <i>Personal Protective Equipment (PPE)</i> as per the job requirements 1.4 Select and use required <i>tools and equipment</i> as per the job requirements 1.5 Prepare materials as per the job requirement following standard procedures 1.6 Mix materials as per the job requirement following standard procedures 1.7 Transport concrete mix as per the job requirement s 1.8 Lay concrete mix as per the job requirement 	

2. Lay Marble/Granite	 2.1 Prepare surfaces as per the job requirement following standard procedures 2.2 Prepare marble/granite slabs as per the standard procedures 2.3 Lay mortar bedding on the floor surfaces as per the standard procedure 		
	 2.4 Prepare and apply cement slurry as per the job requirement following standard procedures 2.5 Lay marble/granite as per the job requirement following standard procedures 2.6 <i>Finish</i> the floor surfaces as per the job requirement following standard procedures 		
3. Lay Epoxy Flooring	3.1 Select and use required tools and		
	 equipment as per the job requirements 3.2 Prepare surfaces as per the job requirement following standard procedure 3.3 Prepare epoxy mixture as per the standard procedure 3.4 Lay Epoxy mixture on the floor surfaces as per the standard procedure 3.5 Finish the floor surfaces as per the job requirement following standard procedures 		

RANGE STATEMENT Personal Protective Equipment (PPE) may include but not limited to: Safety Gloves Safety Goggle • • Safety Helmet Ear Muff • • **Respiratory Mask** Safety Boot • • Uniform Safety Belt • Reflector Vest **Epoxy Spike shoes** Materials may include but not limited to: Marble Slab Cement • Granite slab Sand • White Cement Water • **Grinding Stone** Admixture • Tools and Equipment may include but not limited to: Mortar Pan Straight Edge • • Plumb Bob Shovel • • Spirit Level Molding Machine • **Grinding Machine** Float • • Trowel Vacuum Lifter • • Marble Cutter Tile Laser • • Angle Grinder **Dumpy Level** • • **Tile Vibrator** Rubber Mallet Folding Ruler

Tools and Equipment for Epoxy flooring may include but not limited to:

 Vacuum cleaner Brush Dust collector Roller brush Masking tape 	 Bucket Mixer Grinding machine Squeegee 		
Finish may include but not limited to:			
ShineGrind	Polish		
Critical Aspects			
 Demonstrate compliance with occupational health and safety regulations applicable to work operations at all times Interpret drawings and layouts Lay marble/granite as per the job requirement following standard 			

• Lay marble/granite as per the job requirement following standard procedure

UNDERPINNING KNOWLEDGE	UNDERPINNING SKILLS
 Ethics and Integrity Occupational health and safety (OHS)	 Team Work Communication Problem Solving Interpersonal
Regulations Basic First Aid Estimation and costing Curing Procedures Economic use of materials Grinding and Molding procedures Types of flooring Types of grouting materials Properties of marble and granite	Relationship Creativity Time Management

UNIT TITLE	Carryout Higher Order Plastering Works	
DESCRIPTOR	This unit covers the competencies required to prepare mortar mixture, plaster surfaces, POP plastering, apply texture and pebble dash on plastering following standard procedures	
CODE	7112-U6-L3	
ELEMENTS OF COMPETENCE	PERFORMANCE CRITERIA	
1. Prepare Mortar Mixture	 1.1 Select <i>PPE</i> in accordance with the job requirements 1.2 Select tools and equipment in accordance with the job requirements 1.3 Estimate materials required as per job specifications 1.4 Prepare the surface/mixing machines for mixing of mortar as per the job requirement 1.5 Mix materials as per the job requirement following standard procedures 1.6 Transport mortar mix as per the job requirement following standard procedures 	
2. Plaster the Surfaces	2.1 Prepare the surface to be plastered as per the job requirement following standard.2.2 Prepare and apply cement slurry as per the job requirement following standard practices	

	2.3 Apply mortar mix as per the job requirement to the required specifications following standard procedures2.4 Cure the plastered surfaces as per the job requirement following standard practices
3. Perform POP/Wall Putty Plastering	 3.1 Prepare the surface to be plastered as per the job requirement following standard practices 3.2 Prepare POP/Wall putty mixture as per the job requirement following standard practices 3.3 Apply the POP/Wall Putty mixture as per the job requirement following standard practices 3.4 <i>Finish</i> the POP/Wall Putty plastered surfaces as per the job requirement following standard practices
4. Apply Texture and Pebble Dash Plastering	 4.1 Prepare the surface to be plastered as per the job requirement following standard practices 4.2 Prepare mortar mixture as per the job requirement following standard procedures 4.3 Plaster the <i>surface</i> as per the job requirement following standard procedures 4.4 Prepare and apply cement slurry as per the job requirement following standard procedure 4.5 Apply pebbles as per the job requirement following standard procedures

4.6 Apply texture on the plastered surfaces as per		
the job requirement following standard		
procedures		
4.7 Cure the plastered surface as the job		
requirement following standard procedure		

RANGE STATEMENT			
Personal Protective Equipment may include but not limited to:			
 Safety Gloves Safety Helmet Safety Boot Uniform 	 Safety Goggles Ear Muff Respiratory Mask Safety belt 		
Materials may include but not limited to:			
CementSandPOP/Wall Putty	LimeWaterPebbles		
Finish may include but not limited to:			
Sanding	•		
Surface may include but not limited to:			
CornicesColumnZhu	WallCeilings		
Critical Aspects			

- Demonstrate compliance with occupational health and safety regulations applicable to work operations at all times
- Plaster to required thickness, lines and levels within permissible tolerances ensuring even surfaces
- Apply texture and pebble dash on plastered surface as per the required design and pattern

UNDERPINNING KNOWLEDGE	UNDERPINNING SKILLS
 Ethics and Integrity Occupational Health and Safety (OHS) Regulations. Estimation and Costing Properties of POP/Wall Putty Differences between POP and Wall Putty Mixture Ratio of Pebble Dash 	 Team Work Communication Problem Solving Interpersonal Relationship Creativity Time Management

ANNEXURE

1.1. National Competency Standards (NCS)

The National Competency Standards specify the skill, knowledge and attitudes applied to a particular occupation. Standards also specify the standards or criteria of performance of a competent worker and the various contexts in which work may take place. Standards provide explicit advice to assessors regarding the skill and knowledge to be demonstrated by candidates seeking formal recognition either following training or through work experience.

1.2. Purpose of National Competency Standards

National Competency Standards serve a number of purposes including:

- Providing advice to curriculum developers about the competencies to be included in the curriculum.
- Providing specifications to assessment resource developers about the competencies within an occupation to be demonstrated by candidates.
- Providing advice to industry/employers about job functions, which in turn can be used for the development of job descriptions, performance appraisal systems and work flow analysis.

1.3. Bhutan Qualifications Framework (BQF)

Bhutan Qualifications Framework is an integrated national framework that outlines all types of qualification in Bhutan. As an established and nationally accepted instrument, the BQF has been benchmarked against international practices in terms of standards. The BQF aims to recognize all forms of learning systems, including formal, non-formal, and informal learning. It acknowledges technological advancements and recognizes contemporary modes of delivery. It covers a broad range of education systems including the TVET education.



1.4 Implementation of TVET Qualifications

* RPL = Recognition of Prior Learning

1.5 TVET Qualifications Levels

TVET Qualifications has six levels as per the BQF. The six levels are:

Applied Degree: Level 6 Advanced Diploma: Level 5 Diploma: Level 4 Certificate 3 Certificate 2

Certificate 1

1.6. Level Descriptors

The TVET Qualification levels are set based on the level descriptors, as defined in the BQF. The detail of the qualification level descriptor is as follow:

Certificate 1

Skills	Knowledge:	Application
 Applying operational literacy, numeracy skills required to carry out simple tasks Applying simple solutions to solve simple and straightforward everyday issues Communicating using everyday expressions and simple phrases 	 Foundational, every day and general: Basic operational knowledge and skill Utilization of basic available information Known solutions to familiar problems Little generation of new ideas 	 Highly structured tasks with close support and supervision Minimal discretion and judgement Readiness to work together and share knowledge with others

Certificate level 2

Skills	Knowledge	Application
 Applying standard processes relevant to carry out known tasks Applying a set of known solutions to solve simple and straightforward issues Using simple and direct exchange of 	 Basic, factual and conceptual Some relevant theoretical knowledge Interpretation of available information 	 Structured and stable tasks General support and supervision that require some discretion and judgement

 information on familiar and routine matters Discretion and judgments A range of known responses to familiar problems 	Collaborati on with others to achieve goals
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Certificate 3

Skills	Knowledge:	Application:
 Applying a range of standard processes to known but varied tasks Selecting and applying a range of solutions to familiar and unfamiliar problems 	 Theoretical with some technical and operational processes: A broad knowledge base which incorporates some theoretical concepts Analytical interpretation of information Informed judgment A range of sometimes innovative responses to concrete but often unfamiliar problems 	 Stable tasks with some aspects of change General guidance and supervision that require discretion and judgement Adapting to own behaviours to work with others

Diploma

Skills:	Knowledge	Application
 Selecting and applying a range of standard processes relevant to varied and sometimes unpredictable tasks Selecting and applying a range of solutions involving formulation of solutions to resolve complex issues Demonstrating a high level of proficiency in English and Dzongkha 	 Broad theoretical, technical and operational Specialist knowledge with depth in more than one area Analysis reformatting and evaluation of a wide range of information Formulation of appropriate responses to resolve both concrete and abstract problems 	 Stable tasks with predictable changes Broad guidance with some selfdirection that require sound judgement Taking some responsibilit y for planning and coordinatio n with others

1.6 CODING USED FOR NATIONAL COMPETENCY STANDARDS

The coding and classification system developed in Bhutan is logical, easy to use, and also aligned with international best practices. The Bhutanese coding and classification system is based on the International Standard Classification of Occupations, 2008 (ISCO-08) developed by the International Labour Organisation (ILO). The coding of the National competency standards forms the basis of the identification code for the Vocational Education and Training Management Information System (VET – MIS) both in terms of economic sector identification and that of the individual standard.

1.7. Coding the individual national competency standards

Coding the individual skills standard has a multiple purpose:

- to identify the level,
- to identify to which module the standard belongs,
- to identify in which order the standard is clustered within that module.

A job can include a number of competencies described in the national competency standards.

However, in

order to follow a logical order, only national competency standards related to each other and following a logical sequence in terms of training delivery, from the simple to the complex, are clustered into a module. Some standards are so complex that they need to stand alone.

Implementation and operational procedures for National Competency Standards (NCS).

