



# National Technical and Vocational Qualifications Framework

# NTVQF

Course Accreditation Documents
for
National Skill Certificate in
Painting for Construction
(Construction Sector), NTVQF Level - 4
March 2020.

এনএসডিএ এর কার্যনির্বাহী কমিটির ২২/০২/২১ভারিখে অনুষ্ঠিত (এম) সভার অনুমাদিত

Engr. B. M. Shariful Islam

National Skills Development Authority Deputy Director (Skills Standard)
Prime Minister's Office, Bangladesh Prime Minister's Office, Dhaka

# Contents

Contents.	4	ı
Course Ac	creditation Document	)
Part A		)
Section 1	1: Qualification Title	
Section 2	2: Course Structure	
	3: Purpose of the Qualification	
Section 4	4: Training standards	
Section 5	5: Assessment and Certification Standards9	)
Part B		)
Application	on for NTVQF Course / Program Accreditation	
Part 1: G	eneral Information6	;
1. Name	and details of the Skills Training Provider6	
2. Purpo	se of Submission	
	ery of the Course 6	
4. Qualit	y Assurance Body6	
5. Stand	ard Setting Body (ISC)	
	ourse Information7	
	nclature7	
1.1	Name of the Course:	
1.2	Nominal Duration of the Course	
2. Cours	e Outcomes	
	e Rules and Requirements7	
3.1	Course Structure (may adapt the structure presented in the QS) 7	
3.2	Entry Requirements and Selection Criteria	
4. Asses	sment Rules and Requirements9	
4.1	Assessment Strategy9	
4.2 Red	cognition of Prior Learning (RPL)9	
4.3	Workplace Assessment	
5. Resou	rces Rules and Requirements	



	5.1 Physical Resources	9
	5.2 Human Resources	9
	5.3 Learning Resources	
	6. Ongoing Monitoring, Evaluation and Review	
	Part 3: Details of the Course	
A	ppendices	
	Appendix 1 - Training Design	
	Appendix 2 - List of Equipment	
	Appendix 3 - List of Tools	
	Appendix 4 - List of Consumables	
	Appendix 5 - List of Instructional Materials / Library Holdings	
	Appendix 6 - List of Instruction's Physical Facilities	
	Appendix 7 - List of Off-Campus Physical Facilities	16
	Appendix 8 - List of Officials (President, Registrar, Guidance Counselor)	
	Appendix 9 - Trainers, Faculty, Teaching Professionals	



## **Course Accreditation Document**

This Course Accreditation Document is prepared to standardize the format for the accreditation / re-accreditation of courses under the National Quality Assurance Framework (NQAF) and for the registration of the accredited / re-accredited qualifications under the National Technical and Vocational Qualifications Framework (NTVQF).

The two parts of this document as follows:

- Part A provides information on the Qualification Standards.
- Part B includes details of the pro-forma / templates for accreditation / re-accreditation. It guides the Skills Training Provider (STP) to accomplish the required documents for registration of the qualification.

#### Part A.

Qualification Standards: National Skill Certificate in Painting for Construction, NTVQF, Level - 4.

#### I. Introduction

The Qualification Standards (QS) is a nationally-recognised specification to achieve a qualification. It details the level of training, experience and practice required to achieve the standard of competency. It provides the basis for the development of strategies for competency based training and assessment by a registered training organization.

#### The Qualification Standards aims to:

- a. Provide guidelines to National Skills Development Authority (NSDA) to accredited Skills Training Provider (STP).
- b. Serve as standard for the training providers to delivery competency based training.
- c. Arrange basis of assessment and certification for skilled workers.

#### II. Contents of the Standard

Section 1: Qualification Title

Section 2: Course Structure

Section 3: Purpose of the Qualification

**TAM** 

Engr. B. M. Shariful Islam
Deputy Director (Skills Standard)
Principal

National Skills Development Authority (NSDA)
Prime Minister's Office, Dhaka

### Section 4: Training Standards

- 4.1 Training Delivery modes
- 4.2 Trainee's entry requirements
- 4.3 Required training supplies, materials, tools and equipment
- 4.4 Training Facilities
- 4.5 Trainer's Qualification

#### Section 5: Assessment and Certification Standards

- 5.1 Assessor's Qualification
- 5.2 Assessment and Certification Arrangements

#### Section 1: Qualification Title

National Skill Certificate in

Painting for Construction, NTVQF Level - 4.

#### **Section 2: Course Structure**

The Course Structure is a prescribe set of units of competency needed to attain a National Skill Certificate in Painting for Construction, NTVQF Level - 4.

SL		Unit Code and Title		Nominal Duratio n (Hours)
SL Unit Code and Title UoC Level D				
1.	GU010L3V1	Demonstrate work values	3	20
2.	GU011L4V1	Lead small team	4	20
-				
		CITIC Competencies		
3.	OUPNT011L4V1	Perform re-painting works	3	60
4.	OUPNT012L4V1	Perform Design Painting	3	80
5.	OUPNT013L4V1	Perform advanced marking on road	4	80
6.	OUPNT014L4V1	Supervise painting works	3	50
7.	OUPNT015L4V1	Perform Estimation Works in Painting	4	40



Prime Minister's Office, Dhaka

8.	OSU13I09L1V1	Perform Estimation Works in Painting	3	40
		Total Nominal Learning Hours	<b>!</b>	250

## Section 3: Purpose of the Qualification

The qualification is established upon industry requirements. It is designed for:

- Individuals who want to be trained in National Skill Certificate in Painting for Construction, NTVQF Level - 4.
- Working and experienced individuals who want to be certified with National Skill Certificate in Painting for Construction, NTVQF Level - 4.

Candidates who will meet the requirements of this qualification may be employed as **Senior Painter.** 



## Section 4: Training standards

#### 4.1 Training Delivery modes

The competency-based TVET system recognizes various types of delivery modes both on and off-the-job as the learning is driven by the competency standards specified by the industry. Training modalities may be adopted depending on the needs of the qualification National Skill Certificate in Painting for Construction, NTVQF Level - 4. Some suggested modalities may include but not limited to the following:

#### 4.1.1 Standard training delivery.

This would comprise both, on and off-the-job components. Painting for Construction, NTVQF Level - 4. has a total of 360 minimum hours for the off-the-job and on-the-job component of the delivery. The nominal hour is a suggested duration to deliver the training.

### 4.1.2 Modular / Self-paced Learning / Multiple Entry / Multiple Exit

This is a competency-based training modality where the trainee is allowed to progress at his own pace. The trainee can be certified and exit from the program at any time and re-enter to the qualification once he decided to finish the program.

#### 4.2 Trainees entry requirements:

The entry requirements for the National Skill Certificate in Painting for Construction, NTVQF Level - 4 are:

- SSC Pass or evidence of equivalent achievement or
- Pass in a challenge test on language, literacy and numeracy skills considered necessary for successful completion of the qualification (Model challenge test to be developed based on units of competencies to be achieved) or
- 2-year trade relevant work experience and pass in a challenge test on vocational skills considered necessary for successful completion of the qualification (Model challenge test to be developed).

#### 4.3 Required training supplies, materials, tools and equipment

Recommended List of tools, equipment and materials for the training of a maximum of 20 trainees for **Painting for Construction**, NTVQF Level - 4.

**T** 

Page 3 of 29

## List of Machinery / Equipment and Spares

SL	Name	Specification (for guidance only, some may vary depending on the workshop layout)	Unit	Quantity
1.	Computers (latest configuration)		Unit	02
2.	Laptops		Unit	01
3.	Multimedia projector screen		Unit	01
4.	Digital video camera		Unit	01
5.	Scanner		Unit	01
6.	Printer		Unit	01
7.	Dust collector		Unit	02
8.	Sander machine		Unit	02
9.	High pressure jet washer		Unit	02
10.	Multipurpose mixer		Unit	02
11.	Compressor with spray gun		Unit	02
12.	Scaffolding / Suspended		Unit	02

## **List of Measuring Instruments**

SL	Name	Specification (for guidance only, some may vary depending on the workshop layout)	Unit	Quantity
1.	Measuring tape		Unit	20
2.	Calculator		Unit	20



### **List of Tools**

SL	Name	Specification (for guidance only, some may vary depending on the workstation layout)	Unit	Quantity
1.	Paint brushes	1.1 (1", 3", 4", 5")	Unit	20
2.	Scraper		Unit	20
3.	Spatula		Unit	20
4.	Mixing stick		Unit	20
5.	Rags		Unit	20
6.	Putty knife		Unit	20
7.	Flat screw driver		Unit	20
8.	Ball pin hammer		Unit	20
9.	Hose pipe		Unit	20
10.	Iron hook		Unit	20
11.	Lifeline and anchorage		Unit	20
12.	Roller brush / auto roller / spray		Unit	20
13.	Steel wire brush		Unit	20
14.	Jar / Bucket		Unit	20
15.	Pumice stone	(60-120)	Unit	20

## List of Materials / Consumables

	Materials / Consum	ables
SL	Item	QTY
1.	Sandpaper / emery paper	As required
2.	GI wire	As required
3.	Brooms	As required
4.	Markin cloth	As required
5.	Sealer	As required
6.	Putty	As required
7.	Primer coats	As required
8.	Paint finisher	As required
9.	Sand paper	As required



10.	Intermediate coat	As required
11.	Top coat	As required
12.	Paint remover	As required
13.	Tinting color	As required
14.	Rags	As required
15.	Texture paint	As required
16.	Easy clean paint	As required
17.	Filler	As required
18.	Metallic	As required
19.	Non-metallic	As required
20.	Even / uneven	As required
21.	Matt/glossy	As required

## List of Personal Protective Equipment (PPE)

Materials / Consumables				
SL	ltem	QTY		
1.	Dust mask	As required		
2.	Safety glasses/Goggles	As required		
3.	Gloves	As required		
4.	Harness	As required		
5.	Safety belt	As required		
6.	Safety shoes/boots	As required		
7.	Aprons	As required		
8.	Helmet	As required		

### **List of Furniture**

SL	Name	Specification (for guidance only, some may vary depending on the workshop layout)	Unit	Quantity
1.	Full Secretariat Table		Nos.	01
2.	Half Secretariat Table		Nos.	05
3.	Arm Cushion Chair	As per requirement	Nos.	02
4.	Tabloid Chair	As per requirement	Nos.	20
5.	Bookshelf	As per requirement	Nos.	02
6.	File Cabinet	As per requirement	Nos.	02
7.	Steel Almira	180 cm x 120 cm	Nos.	02
8.	White Board	240 cm X 120 cm made of	Nos.	02



Page 6 of 29

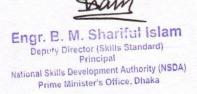
	•	particle board with white Formica covered and side covered by aluminum channel		
9.	Lecture Desk		Nos.	02
10.	Tools Rack		Nos.	05
11.	Working table		Nos.	05
12.	Shelf		Nos.	03
13.	Display Board	240 cm x 120 cm made of particle wood and fabric cover	Nos.	02

## **List of Learning Materials**

Quantity	Description	
	Learning Materials	
20	CBLM	
01	Session Plan	
20	Trainee Record Book	
20	Competency Skills Log Book	
01	Progress Chart	
	REFERENCES	
20	Related Books	
20	Manuals	
20	Charts	
20	CD's	
20	Pictures	
20	Magazines	

## Other requirements:

- 1. Internet connectivity
- 2. Continuous power supply source
- 3. Fire extinguisher



#### 4.4 Training Facilities (Training facilities for 20 trainees)

For first Occupation 1,200 sft. and for additional Occupation 1,000 sft. (one office room is required for several occupation)

Space Requirement	Size in Sq. Feet.	Quantity
Workshop	600 sft.	01
Classroom	400 sft.	01
Office room	200 sft.	01
Toilet (Male / Female)	-	02

#### 4.5 Trainers Qualification

National Skill Certificate in Painting for Construction, NTVQF Level - 4:

- Must be a holder of NSC in Painting for Construction, NTVQF Level 4.
- Must be CBT&A Level To certified.
- · Must be physically and mentally fit.

Deputy Director (Skills Standard)
Principal
National Skills Development Authority (NSDA)
Prime Minister's Office, Dhaka

#### Section 5: Assessment and Certification Standards

#### 5.1 Assessor's Qualification

Certified assessor duly recognized by NSDA shall conduct the National Assessment for this National Skill Certificate in **Painting for Construction**, **NTVQF Level - 4**.

#### 5.2 Assessment and Certification Arrangements

- a. To attain the Qualification of National Skill Certificate in Painting for Construction, NTVQF Level – 4, the candidate must demonstrate competence in all the units required. Successful candidates shall be awarded a National Skill Certificate issued by NSDA.
- b. The qualification of National Skill Certificate in Painting for Construction NTVQF Level + III, may be attained through:
  - Accumulation of Statement of Achievement (SOA)
  - Demonstration of Competency through project-type assessment covering all the required units of competency.
- c. Assessment will be conducted in a simulated workplace environment or training institute using equipment, machinery and tools as specified in the assessment tools.
- d. The qualified Assessor (or Assessor Panel) will be responsible for making the final judgment of Competent or Not Yet Competent.
- There will be open entry to assessment leading to certification through Recognition of Prior Learning (RPL).



Engr. B. M. Shariful Islam
Deputy Director (Skills Standard)
Principal

National Skills Development Authority (NSDA)
Prime Minister's Office, Dhaka

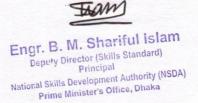
#### Part B.

Part B of the Course Accreditation Document (CAD) is a set of templates designed to assist the Skills Training Provider (STP) in the development of courses under the National Technical and Vocational Qualifications Framework (NTVQF). It is an integral part of the application documents that will be submitted to National Skills Development Authority (NSDA) for accreditation and re-accreditation of programs following National Skills Quality Assurance System (NQAS).

The accreditation document is divided into three sections:

- Part 1 provides information on the Skills Training Provider (STP), Standard Setting Body, the Quality Assurance Body, and course classification and accreditation information.
- Part 2 contains details of rules and requirements under which the course may be structured, delivered and assessed.
- Part 3 includes the units of competency or modules that are contained in the course.

The NSDA approved Competency Standards (CS) and Qualification Standards (QS) will serve as reference to complete the templates.







# National Technical and Vocational Qualifications Framework

# NTVQF

for
National Skill Certificate in
Painting for Construction
(Construction Sector), NTVQF Level - 4,
March 2020.



Engr. B. M. Shariful Islam
Deputy Director (Skills Standard)
Principal
National Skills Development Authority (NSDA)
Prime Minister's Office, Dhaka

National Skills Development Authority
Prime Minister's Office, Bangladesh

## Application for NTVQF Course / Program Accreditation

Date:
Sir,
The undersigned (Name of the Head of the Skills Training Provider), (Designation /
Position) of the (Name of The Skills Training Provider (STP), located at (Address),
hereby apply for the accreditation of the course / program under the laws of the
Government of the People's Republic of Bangladesh.
Course / Program Duration Hours
To support this application, the following duly certified / authenticated documents are

## > Administrative Requirements

Fire Safety Inspection Certificate

#### Curricular Requirements

submitted:

- Competency Standards (CS) (indicating the job titles being addressed and the competencies being developed)
- Course and subject description
- List of supplies, tools and equipment per program
- List of instructional materials (books, videotapes, internet access, and other library references)
- List of official and their qualifications
- List of faculty for the program (WITH CBT&A 4 Certificate and National Skill Certificate)
- List of non-teaching personnel and their qualification

Engr. B. M. Shariful Islam
Deputy Director (Skills Standard)
Principal
National Skills Development Authority (NSDA)
Prime Minister's Office, Dhaka

I, (Name of the Head of the Skills Training Provider (STP) as (Position, Designation), promise to maintain the standards required for the course / programs and to follow faithfully all laws, rules and regulations, and their requirements governing the operations of the National Skills Development Authority of any plan of action regarding the closure of phasing out the course / programs or any changes in the prescribed requirements. I acknowledge that the violation of the laws, of the National Skills Development Authority shall be deemed sufficient cause for the revocation of the certificate of registration.

The institution, which I present, will not conduct classes in the courses / programs applied for the above until unless this application is approved and the National Skills Development Authority has issued the corresponding certificate.

Yours faithfully,

(Name of the Head of the Skills Training Provider)

(Designation / Position)



## Part 1: General Information

1. Name and details of the Skills Training Provider  Name of Training Organization:  Status of Institution (e.g., Private, Public, NGO, TSC, Polytechnic):  Name of Respondent:  Position of Respondent:  Postal Address:  Phone Number:  E-mail Address:  2. Purpose of Submission  Accreditation Re-accreditation Re-accreditation (On-the-job, off-the-job, Apprenticeship, etc.)  3. Delivery of the Course  The STP applying for this accreditation shall write the method of delivery of the qualification (On-the-job, off-the-job, Apprenticeship, etc.)  4. Quality Assurance Body  National Skills Development Authority (NSDA)  423-428 Tejgaon Industrial Area, Dhaka-1215  Phone: +880 2 8891091; Fax: +880 2 8891092; E-mail: ecnsda@nsda.gov.bd  Website: www.nsda.gov.bd	
Status of Institution (e.g., Private, Public, NGO, TSC, Polytechnic):  Name of Respondent:  Position of Respondent:  Postal Address:  Phone Number:  E-mail Address:  2. Purpose of Submission  Accreditation Re-accreditation Re-accreditation    3. Delivery of the Course  The STP applying for this accreditation shall write the method of delivery of the qualification (On-the-job, off-the-job, Apprenticeship, etc.)  4. Quality Assurance Body  National Skills Development Authority (NSDA)  423-428 Tejgaon Industrial Area, Dhaka-1215  Phone: +880 2 8891091; Fax: +880 2 8891092; E-mail: ecnsda@nsda.gov.bd  Website: www.nsda.gov.bd  5. Standard Setting Body (ISC)	1. Name and details of the Skills Training Provider
Name of Respondent:  Position of Respondent:  Postal Address:  Phone Number:  E-mail Address:  2. Purpose of Submission  Accreditation Re-accreditation Re-accreditation (On-the-job, off-the-job, Apprenticeship, etc.)  4. Quality Assurance Body  National Skills Development Authority (NSDA)  423-428 Tejgaon Industrial Area, Dhaka-1215  Phone: +880 2 8891091; Fax: +880 2 8891092; E-mail: ecnsda@nsda.gov.bd  Website: www.nsda.gov.bd  5. Standard Setting Body (ISC)	Name of Training Organization:
Position of Respondent:  Postal Address:  Phone Number:  E-mail Address:  2. Purpose of Submission  Accreditation Re-accreditation Re-accreditation Re-accreditation Re-accreditation Re-accreditation Re-accreditation Re-accreditation (On-the-job, off-the-job, Apprenticeship, etc.)  4. Quality Assurance Body  National Skills Development Authority (NSDA)  423-428 Tejgaon Industrial Area, Dhaka-1215  Phone: +880 2 8891091; Fax: +880 2 8891092; E-mail: ecnsda@nsda.gov.bd  Website: www.nsda.gov.bd	Status of Institution (e.g., Private, Public, NGO, TSC, Polytechnic):
Postal Address:  Phone Number:  E-mail Address:  2. Purpose of Submission  Accreditation Re-accreditation Re-accreditation Re-accreditation Re-accreditation Re-accreditation (On-the-job, off-the-job, Apprenticeship, etc.)  4. Quality Assurance Body  National Skills Development Authority (NSDA)  423-428 Tejgaon Industrial Area, Dhaka-1215 Phone: +880 2 8891091; Fax: +880 2 8891092; E-mail: ecnsda@nsda.gov.bd  Website: www.nsda.gov.bd  5. Standard Setting Body (ISC)	Name of Respondent:
Phone Number: E-mail Address:  2. Purpose of Submission  Accreditation Re-accreditation Re-accreditation Re-accreditation Re-accreditation Re-accreditation Re-accreditation Re-accreditation (On-the-job, off-the-job, Apprenticeship, etc.)  4. Quality Assurance Body  National Skills Development Authority (NSDA)  423-428 Tejgaon Industrial Area, Dhaka-1215 Phone: +880 2 8891091; Fax: +880 2 8891092; E-mail: ecnsda@nsda.gov.bd  Website: www.nsda.gov.bd	Position of Respondent:
E-mail Address:  2. Purpose of Submission  Accreditation Re-accreditation	Postal Address:
2. Purpose of Submission  Accreditation Re-accreditation Re-accreditation Re-accreditation Re-accreditation Re-accreditation Re-accreditation Re-accreditation Stall Write the method of delivery of the qualification (On-the-job, off-the-job, Apprenticeship, etc.)  4. Quality Assurance Body  National Skills Development Authority (NSDA)  423-428 Tejgaon Industrial Area, Dhaka-1215 Phone: +880 2 8891091; Fax: +880 2 8891092; E-mail: ecnsda@nsda.gov.bd  Website: www.nsda.gov.bd	Phone Number:
3. Delivery of the Course  The STP applying for this accreditation shall write the method of delivery of the qualification (On-the-job, off-the-job, Apprenticeship, etc.)  4. Quality Assurance Body  National Skills Development Authority (NSDA)  423-428 Tejgaon Industrial Area, Dhaka-1215  Phone: +880 2 8891091; Fax: +880 2 8891092; E-mail: ecnsda@nsda.gov.bd  Website: www.nsda.gov.bd	E-mail Address:
The STP applying for this accreditation shall write the method of delivery of the qualification (On-the-job, off-the-job, Apprenticeship, etc.)  4. Quality Assurance Body  National Skills Development Authority (NSDA)  423-428 Tejgaon Industrial Area, Dhaka-1215  Phone: +880 2 8891091; Fax: +880 2 8891092; E-mail: ecnsda@nsda.gov.bd  Website: www.nsda.gov.bd	
National Skills Development Authority (NSDA) 423-428 Tejgaon Industrial Area, Dhaka-1215 Phone: +880 2 8891091; Fax: +880 2 8891092; E-mail: ecnsda@nsda.gov.bd Website: www.nsda.gov.bd  5. Standard Setting Body (ISC)	The STP applying for this accreditation shall write the method of delivery of the qualification (On-the-job,
	National Skills Development Authority (NSDA) 423-428 Tejgaon Industrial Area, Dhaka-1215 Phone: +880 2 8891091; Fax: +880 2 8891092; E-mail: ecnsda@nsda.gov.bd
(Include Street / Postal, Phone and E-mail address).	State the name and address of the standard setting body responsible for the industry sector

CAD - Painting for Construction

Fram

Page 6 of 29

Engr. B. M. Shariful Islam
Deputy Director (Skills Standard)
Principal
National Skills Development Authority (NSDA)
Prime Minister's Office, Dhaka

#### Part 2: Course Information

#### 1. Nomenclature

#### 1.1 Name of the Course:

State the name(s) of the course(s) included in this document. The title of the course must accurately reflect the contents and outcomes of the course including the qualification awarded on successful completion of the course. The name of the course should meet the relevant Standard for Accreditation of courses.

#### 1.2 Nominal Duration of the Course

State the nominal duration of the course in hours. [The nominal duration of the course will indicate the number of hours of Off-the-Job training at the STP. In addition to Off-the-Job training, the course may contain On-the-Job (i.e. workplace based) training. The nominal duration of the course (Off-the-Job and On-the-Job) should be in accordance with the national guidelines.

- The length of training required for achieving a given level of the qualification could vary from occupation to occupation. For example, welding competencies may take a longer time to develop than machine operations competencies. The duration proposed for each qualification, though nominal, must be based on a clear and sound logic.
- The recommended Off-the-job training for a National Technical Vocational Qualification Framework
  (NTVQF) Level 1 course is a minimum of 360 learning hours. A higher level NTVQF course must have
  at least 270 hours of additional learning for each higher NTVQF level. For example, a Level 2 NTVQF
  course will have (360 + 270 =) 630 hours of learning and a Level 3 NTVQF course will have (360 + 270
  + 270 =) 900 learning hours.
- The recommended work experience/On-the-Job training is a minimum of 160 hours for a NTVQF Level 1 course, and 216 hours for each higher NTVQF level course.
- If the length of the Off Job and/or On Job training is more than the recommended minimum, there must be adequate justification. Very strong justification is required if the nominal duration of the course is more than 20% of the recommended minimum. However, the nominal duration of the course should not be more than 25% of the recommended minimum.

#### 2. Course Outcomes

Refer to the relevant Standard for Accreditation of courses. The course outcomes must reflect the industry/enterprise/ community needs, the level and the nature of the course.

## 3. Course Rules and Requirements

Refer to the relevant Standard for Accreditation of courses (CS and QS).

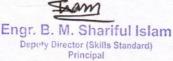
#### 3.1 Course Structure (may adapt the structure presented in the QS)

The course structure should ensure that the combination of Units of Competency and/or Modules provide training for the range of job functions and tasks from the competency standards.

Course structure may be presented in table format or as a combination of text and table, including guidelines on sequencing (pre-requisite, co-requisites), clustering and nominal hours.

- Outline the structure of the course and rules for completion. Course structure will reflect the intended skill and knowledge outcomes of the course and may be:
  - o generic
  - o industry sector specific
- CAD coccupation specific and/or (specialised) job role specific compulsory

Page 7 of 29



National Skills Development Authority (NSDA) Prime Minister's Office, Dhaka

Course Structure
for
National Skill Certificate in(NTVQF Level)
Detailed Information on the UoCs to be successfully completed for the award of this national certificate should be identified.
3.1.1 Requirements for Award of the Qualification
To be eligible for the award, the student should successfully complete the Units of Competency as required in the above table through:
3.1.2 Exit Qualification
Any exit point from the course that provides for vocational or educational outcome should be identified.
3.1.3 Statement of Achievement
Indicate that only a Statement of Achievement will be issued for any unit of competency/module completed if the full qualification is not completed.
3.1.4 Reporting, Quality Assurance and Certification
3.2 Entry Requirements and Selection Criteria
Refer to the Qualification Standards
3.2.1 Entry Requirements (Refer to the relevant Qualification Standards)

CAD - Painting for Construction

3.2.2 Selection Criteria (refer to QS)



Page 8 of 29

## 4. Assessment Rules and Requirements

#### 4.1 Assessment Strategy

#### 4.2 Recognition of Prior Learning (RPL)

#### 3.3 Workplace Assessment

## 5. Resources Rules and Requirements

(Accomplish the forms provided in the appendices)

Refer to the relevant Qualification Standards for the templates provided to accomplish this information.

#### 5.1 Physical Resources

Provide details of specialized facilities, tools and equipment essential for the delivery of the course.

- List of number of classrooms, laboratories, and workshops required for a class of 20 students.
- List of number of tools and equipment required for each classroom, laboratory, and workshop for a class of 20 students.
- Summary of the consumables and materials required for practice (e.g. Food, Chemical, Computer spares and parts) for a class of 20 students.

#### 5.2 Human Resources

State the minimum recommended qualifications and experience of trainers and support staff. Include training and experience relating to both vocational competency / qualifications and competency-based training and assessment competency/qualifications and industry experience. Any recommended requirements must be justifiable and also meet the NQAF standards for Registration of Training establishments (Colleges / Institutes / Training Centers) and accreditation for delivering nationally registered courses.

## 5.2.1 Industry Experience (Attach relevant portfolio)

Teachers, trainers and assessors must have had at least 1 or 2 years of relevant industry experience and should keep abreast of the current technology through ongoing exposure to relevant practices in the industry

Teachers, trainers and assessors should also have current knowledge and awareness of access and equity issues relevant to students needs arising from a variety of factors

CAD – Painting for Construction

Fram

Page 9 of 29

Engr. B. M. Shariful Islam
Deputy Director (Skills Standard)
Principal
National Skills Development Authority (NSDA)
Prime Minister's Office, Dhaka

including socio-economic status, disability status, ethnic background, race, family differences, sexual preferences and gender specific differences.

#### 5.2.2 Student Trainer Ratio:

01 Trainer: 20 trainees

#### 5.2.3 Support Staff:

Include technical and administrative support staff.

#### 5.3 Learning Resources

Identify a list of teaching and learning resources required for offering the course.

- The list must include the text books, workbooks, in-house resource packs / customized trainee guidebooks, relevant national/industry standards, laws and regulations, manufacturer's instruction manuals, and audio, video and digital media (if any) included which are suitable for the students.
- In addition, additional reference books, audio, video and digital media and URLs of relevant websites, which could be used by teachers and gifted students must be included.
- The list must cover each Module / Unit of Competency (Subject) included in the course and emphasis the practical components of the training.
- APA (American Psychological Association) style of referencing is recommended for listing teaching and learning resources.

## 6. Ongoing Monitoring, Evaluation and Review

Refer to the relevant Qualification Standard for accreditation of courses

- Describe the monitoring and evaluation processes, which will be undertaken by the Skills Training Provider (College / Institute / Training Centre) offering the course and the Quality Assurance Body:
  - the relevance and current nature of the course (e.g. The mechanism for ensuring relevance and current nature of the course could include an active industry advisory committee and other ongoing networking and engagement with industry through work placement, industry visits, guest lectures, information on national skills shortage, international skills demand, global trends, current technology)
  - the quality of delivery of the course (e.g. students' feedback, staff feedback)
  - the quality of assessments leading to the award of the qualification (e.g. internal and/or external validation of assessment before and after assessment)
  - the quality of graduates (e.g. employment rate, employer satisfaction level)

Tom

Page 10 of 29

### Part 3: Details of the Course

#### **CURRICULUM DESIGN**

Course Title:	
NTVQF Level:	
Nominal Duration:	Hours
Course Description:	This course is designed to enhance the knowledge, skills, positive attitude and work values of the learner in accordance with the prevailing standards in the National Skills Development Authority. This encompasses competencies required of a (Occupation / Qualification) to perform the tasks in the areas of (Describe the duties of the occupation / qualification).  To obtain this, all units prescribed for this qualification must be achieved:

### GENERIC COMPETENCY (\_\_\_\_ HOURS)

Unit of Competency	Learning Outcomes	Methodology	Assessment Approach
1.	1.1	•	•
2.	2.1	•	•

## SECTOR SPECIFIC COMPETENCY (\_\_\_\_ HOURS)

Unit of Competency	Learning Outcomes	Methodology	Assessment Approach
1.	1.1	•	
2.	2.1		

### OCCUPATION SPECIFIC COMPETENCY (\_\_\_\_ HOURS)

Unit of Competency	Learning Outcomes	Methodology	Assessment Approach
1.	1.1	•	•
2.	2.1	•	•

CAD - Painting for Construction

Engr. B. M. Shariful Islam
Deputy Director (Skills Standard)
Principal
National Skills Development Authority (NSDA)

Prime Minister's Office, Dhaka

Page 11 of 29

# **Appendices**

(Appendix 1-9)

## Appendix 1 - Training Design

QUALIFICATION:																				
Nominal Duration:	_ ho	urs																		
Name of Institution:											-									
						-	Du	rat	ion	of	Tr	ain	ning	)						
Competencies	M	ontl	h 1		M	ont	h	2	M	ont	h	3	M	on	th	4	M	on	th	5
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Generic Competencies ( Hours)																				
Sector Specific Competencies ( hours)																				
Occupation Specific Competencies ( hours)																				
Elective ( hours)																				
(Sample legend only, may cha		der	pen	dir	ng (				TP					Communication and Communicatio	На	llf-c	lay	,		
Submitted by: (Head of the Department) Date:	(Hea	este ad o ate:						100		(	QA	-	Exp	d b	-					

CAD - Painting for Construction

Engr. B. M. Shariful Islam
Deputy Director (Skills Standard)
Principal
National Skills Development Authority (NSDA)
Prime Minister's Office, Dhaka

Page 13 of 29

# Appendix 2 - List of Equipment

(1)	Specification (2)	Acquisition Year (3)	Quantity on Site (4)	Quantity Required (5)	Difference (6)	Percent Compliance (7)	Inspectors Remarks (indicate standard ratios) (8)
	d by:the Depart			by:the Institution		spected by:	
ate:			Date:			ate:	
oto. Ooia	mns 1-4 to be	illied out by	montunon,	Columns 5-6	to be filled o	ul by QATEX	pen NSDA.
Name of Tools (1)	Specification (2)	Acquisition Year (3)	Quantity on Site (4)	Quantity Required (5)	Difference (6)	Percent Compliance (7)	Inspectors Remarks (indica standard ratios (8)
bmitted	by: ne Departm	ent) (	Date:	e Institution	n) QA	pected by: ./ Expert NS	SDA
ead of the:							
ead of the:	ns 1-4 to be f	illed out by Ir	nstitution; Co	olumns 5-8 to	be filled out	by QA / Expe	ert NSDA.
ead of the: te: Colum			nstitution; Co	olumns 5-8 to	be filled out	by QA / Expe	ert NSDA.
ead of thete:	ns 1-4 to be fi			Engr. B. M.	be filled out	P	age 14 of 29

## Appendix 4 - List of Consumables

Name of Tools (2)  Ubmitted by:	Year (3)	Quantity on Site (4)	Quantity Required (5)	Difference (6)	Percent Compliance (7)	Inspectors Rema (indicate standa ratios) (8)
of Tools (2)  ubmitted by:	Year (3)	on Site			Compliance	(indicate standa ratios)
						(0)
			by:the Institut		nspected b	y: NSDA
ate:		Date:			Date:	
4 O-l	to be filled out by	I	0-1	\		A A I O D A
	ution:					
				No.	o, of	Inspector's
Title	Classificatio	n	Date of ublication		o. of pies	Inspector's Remarks
ubmitted by: _		Attested	Date of ublication		nspected b	Remarks  y:
		Attested	Date of ublication	Co	pies	Remarks  y:
		n	Date of			

CAD - Painting for Construction

Engr. B. M. Shariful Islam
Deputy Director (Skills Standard)
Principal
National Skills Development Authority (NSDA)
Prime Minister's Office, Dhaka

Page 15 of 29

## Appendix 6 - List of Instruction's Physical Facilities

Name Description Quantity Inspector's Rem  Submitted by: Attested by: Inspected by: (Head of the Department) (Head of the Institution) QA / Expert NSDA Date: Date:	arks			
Submitted by: Attested by: Inspected by: (Head of the Department) (Head of the Institution) QA / Expert NSDA	arks			
(Head of the Department) (Head of the Institution) QA / Expert NSDA				
(Head of the Department) (Head of the Institution) QA / Expert NSDA				
Appendix 7 - List of Off-Campus Physical Facilities  Program:				
Name of Institution:				
Name Description Quantity Inspector's Rem	arks			
Submitted by: Attested by: Inspected by: (Head of the Department) (Head of the Institution) QA / Expert NSDA				
Date: Date:				
CAD – Painting for Construction Page 16 o	f 29			

Engr. B. M. Shariful Islam
Deputy Director (Skills Standard)
Principal
National Skills Development Authority (NSDA)

National Skills Development Authority (NSDA)
Prime Minister's Office, Dhaka

# Appendix 8 - List of Officials (President, Registrar, Guidance Counselor)

	T					<del>-</del>	T		T	
Nan	ne	Position	Nature of Appointment	Educational Attainment	Experience Related to Position	Industry		mpetenertificate	-	Ren
			artment)	Attested by		Inspec		y:		_
(Head of the Department) Date:				(Head of the Institution) QA / Ex Date: Date:			_xpcii	( NOD/	`	
-		Appe	ndix 9 - Tra	ainers. Fac	ulty. Tea	china Pro	fess	ional	ls	
Pro	gram		ildix o			Jimig i i e	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	70110		
			ion:							
			Nature of	Educational	Experiences	Industry	Competency Certificates			Rer
	Name	Position	Appointments	Attainment	Related to Position	Experience	NSC	TQ	AQ	
-										
Suh	mitte	d by:		Attested by		Insper	rted h	W.		
		d by:	partment)	Attested by (Head of the				y: t NSD		
	ad of									-
(He	ad of e:	the Dep	eartment)	(Head of the Date:		QA/I				<del>-</del>
(He Date	ad of e: NSC	the Dep		(Head of the Date:		QA/I				-
(He Dat	ad of e: NSC TQ -	the Dep - Nationa Trainer (	artment)	(Head of the Date: ficate		QA/I				<u>-</u>
(He Date	ad of e: NSC TQ - AQ -	the Dep - Nationa Trainer ( Assesso	artment) al Skills Certi Qualification or Qualificatio	(Head of the Date: ficate n	e Institution)	QA / I	Exper	t NSD		=
(He Date	ad of e: NSC TQ - AQ -	the Dep - Nationa Trainer ( Assesso	artment) al Skills Certi Qualification or Qualificatio	(Head of the Date: ficate n ==XXXXXXX	e Institution)	QA / I	Exper	t NSD	A ===	=
(He Date	ad of e: NSC TQ - AQ -	- Nationa Trainer ( Assesso	artment)  al Skills Certi Qualification or Qualificatio	(Head of the Date: ficate n ==XXXXXXX	e Institution)	QA / I	Exper	t NSD	A ===	=
(He Date	ad of e: NSC TQ - AQ - D – Pa	the Dep - Nationa Trainer ( Assesso ainting fo	artment) al Skills Certi Qualification or Qualificatio	(Head of the Date: ficate n ==XXXXXXX	Engr. B. M.	QA / I	Exper	t NSD	A ===	 7 of 2