



COMPETENCY STANDARD FOR Painting for Construction

(Construction Industry Skills Councils)

Level: 3

Competency Standard Code: CSCS0002L3V1

এনএসডিএ এর কার্যনির্বাহী কমিটির
২২/০২/১৯ তারিখে অনুষ্ঠিত ৫৯ সভার অনুমোদিত

National Skills Development Authority
Prime Minister's Office, Bangladesh

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Introduction

The National Skills Development Authority (NSDA) aims to enhance an individual's employability by certifying competiveness with skills. NSDA works to expand the skilling capacity of identified public and private training providers qualitatively and quantitatively. It also aims to establish and operationalize a responsive skill ecosystem and delivery mechanism through a combination of well-defined set of mechanisms and necessary technical supports.

Key priority economic growth sectors identified by the government have been targeted by NSDA to improve current job skills along with existing workforce to ensure required skills to industry standards. Training providers are encouraged and supported to work with industry to address identified skills and knowledge to enable industry growth and increased employment through the provision of market responsive inclusive skills training program. "**Painting for Construction**" is selected as one of the priority occupations of **Construction** Sector. This standard is developed to adopt a demand driven approach to training with effective inputs from Industry Skills Councils (ISC's), employer associations and employers.

Generally, a competency standard informs curriculum, learning materials, assessment and certification of trainees enrolled in TVET. Trainees who successfully pass the assessment will receive a qualification in the National Technical and Vocational Qualification Framework (NTVQF) and will be listed on the NSDA's online portal.

This competency standard is developed to improve skills and knowledge in accordance with the job roles, duties and tasks of the occupation and ensure that the required skills and knowledge are aligned to industry requirements. A series of stakeholder consultations, workshops were held to develop this document.

The document also details the format, sequencing, wording and layout of the Competency Standard for an occupation which is comprised of Units of Competence and its corresponding Elements.



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Overview

A **competency standard** is a written specification of the knowledge, skills and attitudes required for the performance of an occupation, trade or job corresponding to the industry standard of performance required in the workplace.

The purpose of a competency standards is to:

- provide a consistent and reliable set of components for training, recognising and assessing people's skills, and may also have optional support materials
- enable industry recognised qualifications to be awarded through direct assessment of workplace competencies
- encourage the development and delivery of flexible training which suits individual and industry requirements
- encourage learning and assessment in a work-related environment which leads to verifiable workplace outcomes

Competency standards are developed by a working group comprised of representative from NSDA, Key Institutions, ISC, and industry experts to identify the competencies required of an occupation in **Construction sector**.

Competency standards describe the skills, knowledge and attitude needed to perform effectively in the workplace. CS acknowledge that people can achieve technical and vocational competency in many ways by emphasizing what the learner can do, not how or where they learned to do it.

With competency standards, training and assessment may be conducted at the workplace or at training institute or any combination of these.

Competency standards consist of a number of units of competency. A unit of competency describes a distinct work activity that would normally be undertaken by one person in accordance with industry standards.

Units of competency are documented in a standard format that comprises of:

- unit title
- nominal duration
- unit code
- unit descriptor
- elements and performance criteria
- variables and range statement
- curricular content guide
- assessment evidence guide

Together, all the parts of a unit of competency:

- describe a work activity
- guide the assessor to determine whether the candidate is competent or not yet competent

The ensuing sections of this document comprise of a description of the relevant occupation, trade or job with all the key components of a unit of competency, including:

- a chart with an overview of all Units of Competency for the relevant occupation, trade or job including the Unit Codes and the Unit of Competency titles and corresponding Elements
- the Competency Standard that includes the Unit of Competency, Unit Descriptor, Elements and Performance Criteria, Range of Variables, Curricular Content Guide and Assessment Evidence Guide.



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Competency Standards for Painting for Construction, Level-3

NTVQF with Job Classifications

NTVQF LEVELS	EDUCATION SECTORS			Job Classification
	Pre-Vocation Education	Vocational Education	Technical Education	
NTVQF 6			Diploma in engineering or equivalent	Middle Level Manager /Sub Assistant Engr. etc.
NTVQF 5		National Skill Certificate 5 (NSC 5)		Highly Skilled Worker / Supervisor
NTVQF 4		National Skill Certificate 4 (NSC 4)		Skilled Worker
NTVQF 3		National Skill Certificate 3 (NSC 3)		Semi-Skilled Worker
NTVQF 2		National Skill Certificate 2 (NSC 2)		Basic Skilled Worker
NTVQF 1		National Skill Certificate 1 (NSC 1)		Basic Worker
Pre-Voc 2	National Pre-Vocation Certificate 2 (NPVC 2)			Pre-Vocation Trainee
Pre-Voc 1	National Pre-Vocation Certificate 1 (NPVC 1)			Pre-Vocation Trainee



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NTVQF Level Descriptors

NTVQF Level	Knowledge	Skill	Responsibility	Job Class.
6	<ul style="list-style-type: none"> Comprehensive actual and theoretical knowledge within a specific study area with an awareness of the limits of that knowledge 	<ul style="list-style-type: none"> Specialised and restricted range of cognitive and practical skills required to provide leadership in the development of creative solutions to defined problems 	<ul style="list-style-type: none"> Manage a team or teams in workplace activities where there is unpredictable change Identify and design learning programs to develop performance of team members 	Supervisor / Middle Level Manager / Sub Assistant Engr. etc.
5	<ul style="list-style-type: none"> Very broad knowledge of the underlying, concepts, principles, and processes in a specific study area 	<ul style="list-style-type: none"> Very broad range of cognitive and practical skills required to generate solutions to specific problems in one or more study areas. 	<ul style="list-style-type: none"> Take overall responsibility for completion of tasks in work or study Apply past experiences in solving similar problems 	Highly Skilled Worker / Supervisor
4	<ul style="list-style-type: none"> Broad knowledge of the underlying, concepts, principles, and processes in a specific study area 	<ul style="list-style-type: none"> Range of cognitive and practical skills required to accomplish tasks and solve problems by selecting and applying the full range of methods, tools, materials and information 	<ul style="list-style-type: none"> Take responsibility, within reason, for completion of tasks in work or study Apply past experiences in solving similar problems 	Skilled Worker
3	<ul style="list-style-type: none"> Moderately broad knowledge in a specific study area. 	<ul style="list-style-type: none"> Basic cognitive and practical skills required to use relevant information in order to carry out tasks and to solve routine problems using simple rules and tools 	<ul style="list-style-type: none"> Work or study under supervision with some autonomy 	Semi-Skilled Worker
2	<ul style="list-style-type: none"> Basic underpinning knowledge in a specific study area. 	<ul style="list-style-type: none"> Basic skills required to carry out simple tasks 	<ul style="list-style-type: none"> Work or study under indirect supervision in a structured context 	Basic Skilled Worker
1	<ul style="list-style-type: none"> Elementary understanding of the underpinning knowledge in a specific study area. 	<ul style="list-style-type: none"> Limited range of skills required to carry out simple tasks 	<ul style="list-style-type: none"> Work or study under direct supervision in a structured context 	Basic Worker
Pre-Voc 2	<ul style="list-style-type: none"> Limited general knowledge 	<ul style="list-style-type: none"> Very limited range of skills and use of tools required to carry out simple tasks 	<ul style="list-style-type: none"> Work or study under direct supervision in a well-defined, structured context. 	Pre-Vocation Trainee
Pre-Voc 1	<ul style="list-style-type: none"> Extremely limited general knowledge 	<ul style="list-style-type: none"> Minimal range of skills required to carry out simple tasks 	<ul style="list-style-type: none"> Simple work or study exercises, under direct supervision in a clear, well defined structured context 	Pre-Vocation Trainee

ESAM

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List of Abbreviations

NSDA - National Skills Development Authority

CS - Competency Standard

ILO - International Labor Organization

ISC - Industry Skills Council

NPVC - National Pre-Vocation Certificate

NTVQF - National Technical and Vocational Qualifications Framework

SCVC - Standards and Curriculum Validation Committee

TVET - Technical Vocational Education and Training

UoC - Unit of Competency

STP – Skills Training Provider

OSH – Occupational Safety and Health

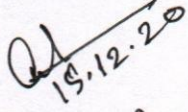
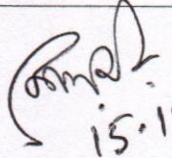
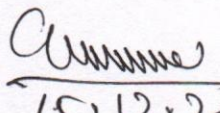
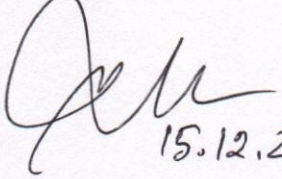
PPE – Personal Protective Equipment

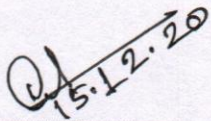
SOP – Standard Operating Procedures


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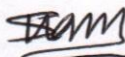
Approval of Competency Standard

Members of the Approval Committee:

Member	Signature
Dulal Krishna Saha Executive Chairman (Secretary) National Skills Development Authority (NSDA)	 15.12.20
Mohammad Rezaul Karim Member (Skills Standard & Certification) Additional Secretary National Skills Development Authority (NSDA)	 15.12.20
Md. Nurul Amin Member (Admin & Finance) Joint Secretary National Skills Development Authority (NSDA)	 15.12.20
Alif Rudaba Member (Planning & Research) and Member (Coordination & Evaluation) Joint Secretary National Skills Development Authority (NSDA)	 15.12.2020


15.12.20

Dulal Krishna Saha
Executive Chairman (Secretary)
National Skills Development Authority (NSDA)
Date:


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National Competency Standards for Painting for Construction, Level-3

Course Structure

SL	Unit Code and Title		UoC Level	Nominal Hours
Generic Competencies				40
1.	GU009L3V1	Practice Negotiation Skill	3	20
2.	GU008L2V1	Work in the team environment	2	20
Sector Specific Competencies				30
3.	SUCS001L2V1	Work in the Construction Sector	2	30
Occupation Specific Competencies				
4.	OUPNT006L3V1	Perform Painting on Wooden Surface	3	40
5.	OUPNT007L3V1	Perform Advanced Painting on Metal Surface	3	30
6.	OUPNT008L3V1	Perform Advanced Painting on Interior Plaster Surface	3	50
7.	OUPNT009L3V1	Perform Advanced Painting on Exterior Surface	3	50
8.	OUPNT010L3V1	Perform marking on road and bridge	3	40
Total Duration (Hours)				280


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**Units & Elements at a glance:
Generic Competencies**

Code	Unit of Competency	Elements of Competency	Nominal Hours
GU009L3V1	Practice Negotiation Skill	<ol style="list-style-type: none"> 1. Plan negotiations 2. Participate in negotiations 	20
GU008L2V1	Work in team environment	<ol style="list-style-type: none"> 1. Define team role and scope 2. Identify individual role and responsibilities 3. Participates in team discussions 4. Work as a team member 	20
Total Hour			40


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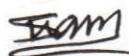
Sector Specific Competencies

Code	Unit of Competency	Elements of Competency	Nominal Hours
SUCS001L2V1	Work in the construction sector	<ol style="list-style-type: none">1. Identify the organizational structure within the sector2. Identify work processes and procedures3. Identify workplace requirements4. Organize own workload	30
Total Hours			30


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Occupation Specific Competencies

Code	Unit of Competency	Elements of Competency	Nominal Hours
OUPNT006L3V1	Perform Painting on Wooden Surface	<ol style="list-style-type: none"> 1. Prepare for works. 2. Prepare surface for painting. 3. Apply enamel paint on wooden surface. 4. Maintain workplace and store tools equipment. 	40
OUPNT007L3V1	Perform Advanced Painting on Metal Surface	<ol style="list-style-type: none"> 1. Prepare surface for painting. 2. Apply water-based enamel paint. 3. Maintain workplace and store tools equipment. 	30
OUPNT008L3V1	Perform Advanced Painting on Interior Plaster Surface	<ol style="list-style-type: none"> 1. Prepare surface for painting. 2. Apply advanced paint. 3. Maintain workplace and store tools equipment. 	50
OUPNT009L3V1	Perform Advanced Painting on Exterior Surface.	<ol style="list-style-type: none"> 1. Prepare surface for painting. 2. Make suspended scaffolding for painting 3. Apply Advanced exterior paint. 4. Apply roofing compound. 5. Maintain workplace and store tools equipment. 	50
OUPNT010L3V1	Perform marking on road and bridge	<ol style="list-style-type: none"> 1. Prepare surface for painting 2. Apply paint on surface 3. Maintain workplace and store tools equipment 	40
Total Hours			210



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Generic Competencies



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Unit Code and Title	GU009L3V1: Practice Negotiation Skills
Nominal Hours	20 Hours
Unit Descriptor	This unit covers the knowledge, skills and attitudes required to practice negotiation skills. It specifically includes – planning negotiations and participating in negotiations.
Elements of Competency	Performance Criteria <u>Bold & Underlined</u> terms are elaborated in the Range of Variables Training Components
1. Plan negotiations	<p>1.1 Information on <u>preparing for negotiation</u> is identified and included in the plan.</p> <p>1.2 Information on creating <u>non-verbal environments</u> for positive negotiating is identified and included in the plan.</p> <p>1.3 Information on <u>active listening</u> is identified and included in the plan.</p> <p>1.4 Information on different <u>questioning techniques</u> is identified and included in the plan.</p> <p>1.5 Information is checked to ensure it is correct and up-to-date.</p>
2. Participate in negotiations	<p>2.1 Criteria for successful outcome are agreed upon by all parties.</p> <p>2.2 Desired outcome of all parties is considered.</p> <p>2.3 Appropriate language is used throughout the negotiation.</p> <p>2.4 A variety of questioning techniques are used.</p> <p>2.5 The issues and processes are documented and agreed upon by all parties.</p> <p>2.6 Possible solutions are discussed and their viability assessed.</p> <p>2.7 Areas for agreement are confirmed and recorded.</p> <p>2.8 Follow-up action is agreed upon by all parties.</p>
Range of Variables	
Variable	Range (May include but not limited to)
1. Preparing for negotiation	<p>1.1 Background information on other parties to the negotiation</p> <p>1.2 Good understanding of topic to be negotiated</p> <p>1.3 Clear understanding of desired outcome/s</p> <p>1.4 Personal attributes</p> <p>1.4.1 Self esteem</p> <p>1.4.2 Objectivity</p> <p>1.4.3 Empathy</p> <p>1.4.4 Respect for others</p>

	<p>1.5 Interpersonal skills</p> <p>1.5.1 Listening / reflecting</p> <p>1.5.2 Non-verbal communication</p> <p>1.5.3 Assertiveness</p> <p>1.5.4 Behavior labeling</p> <p>1.5.5 Testing understanding</p> <p>1.5.6 Seeking information</p> <p>1.5.7 Self-disclosure</p> <p>1.6 Analytic skills</p> <p>1.6.1 Observing differences between content and process</p> <p>1.6.2 Identifying bargaining information</p> <p>1.6.3 Applying strategies to manage process</p> <p>1.6.4 Applying steps in negotiating process</p> <p>1.6.5 Strategies to manage conflict</p> <p>1.6.6 Steps in negotiating process</p> <p>1.7 Options within organization and externally for resolving conflict</p>
2. Non-verbal environments	<p>2.1 Friendly reception</p> <p>2.2 Warm and welcoming room</p> <p>2.3 Refreshments offered</p> <p>2.4 Lead in conversation before negotiation begins</p>
3. Active listening	<p>3.1 Attentive</p> <p>3.2 Don't interrupt</p> <p>3.3 Good posture</p> <p>3.4 Maintain eye contact</p> <p>3.5 Reflective listening</p>
4. Questioning techniques	<p>4.1 Direct</p> <p>4.2 Indirect</p> <p>4.3 Human Open-ended</p>
<p>Evidence Guide</p> <p>The evidence must be authentic, valid, sufficient, reliable, consistent and recent and meet the requirements of the current version of the Unit of Competency.</p>	
1. Critical aspects of competency	<p>Assessment required evidences that the candidate:</p> <p>1.1 demonstrated sufficient knowledge of the factors influencing negotiation to achieve agreed outcome.</p> <p>1.2 participated in negotiation with at least one person to achieve an agreed outcome.</p>
2. Underpinning knowledge	<p>2.1 Codes of practice and guidelines for the organization.</p> <p>2.2 Organization policy and procedures for negotiations.</p> <p>2.3 Decision making and conflict resolution strategies procedures.</p> <p>2.4 Problem solving strategies on how to deal with unexpected questions and attitudes during negotiation.</p> <p>2.5 Flexibility.</p> <p>2.6 Empathy.</p>

3. Underpinning skill	3.1 Interpersonal skills to develop rapport with other parties. 3.2 Communication skills (verbal and listening). 3.3 Observation skills. 3.4 Negotiation skills.
4. Required attitude	4.1 Commitment to occupational health and safety 4.2 Environmental concerns 4.3 Eagerness to learn 4.4 Tidiness and timeliness 4.5 Respect for rights of peers and seniors in workplace 4.6 Communication with peers and seniors in workplace
5. Resource implication	The following resources MUST be provided: 5.1 Workplace (actual or simulated). 5.2 Human resources (negotiators).
6. Methods of assessment	6.1 Written Test 6.2 Demonstration 6.3 Oral Questioning 6.4 Portfolio
7. Context of assessment	7.1 Competency assessment must be done in NSDA Accredited Assessment center 7.2 Assessment should be done by NSDA certified/nominated assessor

Accreditation Requirements

Training Providers must be accredited by National Skills Development Authority (NSDA), the National Quality Assurance Body, or a body with delegated authority for quality assurance to conduct training and assessment against this unit of competency for credit towards the award of any NTVQF qualification. Accredited providers assessing against this unit of competency must meet the quality assurance requirements set by NSDA.


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Unit Code and Title	GU008L2V1: Work in a Team Environment
Nominal Hours	20 Hours
Unit Descriptor	This unit covers the knowledge, skills and attitudes required to work in a team environment. It specifically includes – define team role and scope; identify individual role and responsibilities; participate in team discussions; and work as a team member.
Elements of Competency	Performance Criteria <u>Bold & underlined</u> terms are elaborated in the Range of Variables
1. Define team role and scope	1.1 Role and objectives of the team are defined from available <u>sources of information</u> . 1.2 Team structure, responsibilities and reporting relations are identified from team discussion and other external sources.
2. Identify individual role and responsibilities	2.1 Individual roles and responsibilities of <u>team members</u> are identified. 2.2 Reporting relationships among team members are defined and clarified. 2.3 Reporting relationships among external team members to the team are defined and clarified.
3. Participate in team discussions	3.1 Ideas related to team plans are contributed. 3.2 Recommendations for improving team work are put forward.
4. Work as a team member	4.1 Effective forms of communication are used to interact with team members. 4.2 Communication channels are followed as <u>workplace context</u> . 4.3 Occupational Health and Safety (OSH) practice is followed.
Range of Variables	
Variable	Range (may include but not limited to):
1. Sources of information	1.1 Standard operating procedures 1.2 Job description 1.3 Operations Manuals 1.4 Organizational structures



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2. Team members	<ul style="list-style-type: none"> 2.1 Coach / members 2.2 Supervisor / manager 2.3 Peers / colleagues 2.4 Employee representative
3. Workplace context	<ul style="list-style-type: none"> 3.1 National Laws and Statutes 3.2 Standard Operating Procedures 3.3 Workplace Rules and Regulations
Evidence Guide	
The evidence must be authentic, valid, sufficient, reliable, consistent, recent and meet all requirements of current version of the Unit of Competency.	
1. Critical aspects of competency	<p>Assessment required evidences that the candidate:</p> <ul style="list-style-type: none"> 1.1 demonstrated knowledge in working in a team environment 1.2 satisfied the requirements mentioned in the performance criteria and range of variables.
2. Underpinning knowledge	<ul style="list-style-type: none"> 2.1 Team structure, role, and responsibility. 2.2 Individual member's roles and responsibilities. 2.3 Communication flow and reporting structures. 2.4 Team planning. 2.5 Interpersonal communication skills. 2.6 Team meeting procedures. 2.7 Occupational Health and Safety (OSH) practices.
3. Underpinning skills	<ul style="list-style-type: none"> 3.1 Identifying the role and responsibility of the team. 3.2 Identifying roles and responsibilities of individual members. 3.3 Participating in team discussion. 3.4 Working as a team member.
4. Required attitudes	<ul style="list-style-type: none"> 4.1 Commitment to occupational health and safety 4.2 Promptness in carrying out activities 4.3 Sincere and honest to duties 4.4 Eagerness to learn 4.5 Tidiness and timeliness 4.6 Environmental concerns 4.7 Respect for rights of peers and seniors at workplace 4.8 Communication with peers and seniors at workplace
5. Resource implication	<p>The following resources must be provided:</p> <ul style="list-style-type: none"> 5.1 workplace (actual or simulated) 5.2 relevant materials and equipment 5.3 relevant specifications or work instructions.



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6. Methods of assessment	<p>Methods of assessment may include but not limited to:</p> <p>6.1 Written Test 6.2 Demonstration 6.3 Oral Questioning 6.4 Portfolio.</p>
7. Context of assessment	<p>7.1 Competency assessment must be done in NSDA Accredited Assessment center 7.2 Assessment should be done by NSDA certified/nominated assessor</p>
<p>Accreditation Requirements</p> <p>Training Providers must be accredited by National Skills Development Authority (NSDA), the National Quality Assurance Body, or a body with delegated authority for quality assurance to conduct training and assessment against this unit of competency for credit towards the award of any NTVQF qualification. Accredited providers assessing against this unit of competency must meet the quality assurance requirements set by NSDA.</p>	



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Sector Specific Competencies



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Unit Code and Title	SUCS001L2V1: Work in the Construction Sector
Nominal Hours	30 Hours
Unit Descriptor	This unit covers the skills, knowledge and attitude in working in the construction sector. It includes identifying the organizational structure within the construction sector, identifying work processes and procedures, identify workplace requirements and organizing own workload.
Elements of Competency	Performance Criteria <u>Bold and Underlined</u> terms are elaborated in the Range of Variables.
1. Identify the organizational structure within the sector	1.1. Profile of the construction sector in Bangladesh is explained. 1.2. Scope, nature and <u>major fields</u> of the construction sector are identified. 1.3. <u>Occupations</u> or trade names of the construction sector are identified. 1.4. Changes in the trends and technologies relevant to the sector are explained. 1.5. <u>Employment conditions</u> are identified in line with the construction sector of Bangladesh. 1.6. Relevant policies and guidelines are identified and interpreted.
2. Identify work processes and procedures	2.1. <u>Instructions</u> as to procedures in achieving quality are obtained, understood, and clarified. 2.2. Construction processes are identified, described and explained. 2.3. Work activities are correctly identified.
3. Identify workplace requirements	3.1 <u>Workplace requirements</u> are identified and clarified. 3.2 Role, responsibilities and duties are identified and related to jobs and career paths. 3.3 Workplace's practices are identified. 3.4 <u>Problem-solving strategies</u> are used to address bottlenecks, inconsistencies and other concerns.
4. Organize own workload	3.1 Own work activities are planned and progress of work is communicated to relevant staff. 3.2 Work activities are completed according to the work plan. 3.3 Difficulties and bottlenecks are identified, and solutions are put forward.



	3.4 Own work is monitored against workplace standards and areas for improvement identified and acted upon.
Range of Variables	
Variable	Range (may include but not limited to):
1. Major Fields	1.1. Residential Construction 1.2. Industrial Construction 1.3. Roads & Highway construction 1.4. Bridge & Calvert Construction 1.5. Railway Construction 1.6. Foundation Works (Anchoring & Piling) 1.7. Pipe laying 1.8. Tunnel/Marine Construction
2. Occupations	2.1 Masonry 2.2 Finishing carpentry 2.3 Shuttering 2.4 Painting 2.5 Residential Electrical Wiring and Cabling 2.6 Dogging 2.7 Rigging 2.8 Scaffolding 2.9 Rod Binding 2.10 Plumbing 2.11 Tile and Marble Setting
3. Employment conditions	3.1 Code of Practice 3.2 Salary/Wage System 3.3 Labor Practices 3.4 Anti-Discrimination Policy 3.5 Gender Issues 3.6 Collective Bargaining and Other Practices 3.7 Awards 3.8 Grievance management
4. Instructions	4.1 Specifications and requirements 4.2 Standard operating procedures 4.3 Manuals of Instruction 4.4 Environmental Guidelines 4.5 Gender and Develop Guidelines
5. Workplace requirements	5.1 Goals and objectives 5.2 Strategic and Operational Plans 5.3 Systems and Processes 5.4 Monitoring and Evaluation

	5.5 Reports and Documentation
6. Problem-solving strategies	6.1 Asking questions 6.2 Feedback and feed forward system 6.3 Reference to Standard Operating Procedures 6.4 Accessing Information 6.5 Reviews 6.6 Brainstorming
Evidence Guide	
The evidence must be authentic, valid, sufficient, reliable, consistent and recent and meet the requirements of the current version of the Unit of Competency.	
1. Critical aspects of competency	Assessment required evidence that the candidate: 1.1 identified the major fields of the construction sector 1.2 explained trends of technologies to the sector 1.3 identified, described and explained construction processes 1.4 demonstrated knowledge in working in the construction sector 1.5 identified the job roles and job descriptions of each personnel working in the construction sector
2. Underpinning knowledge	2.1. Scope and major fields of the construction sector of Bangladesh 2.2. Relevant policies and guidelines for the construction sector 2.3. Manuals used in the Construction Sector 2.4. Relevant Terminologies and Acronyms 2.5. Workplace practices and requirements
3. Underpinning skills	3.1. Describing construction sector of Bangladesh. 3.2. Describing organization structure within the sector. 3.3. Identifying construction processes and procedures 3.4. Identifying workplace practices and requirements 3.5. Organizing own workload
4. Required Attitude	4.1. Commitment to occupational safety and health 4.2. Communication with peers, sub-ordinates and seniors in workplace. 4.3. Promptness in carrying out activities. 4.4. Tidiness and timeliness. 4.5. Respect of peers, sub-ordinates and seniors in workplace. 4.6. Environmental concern. 4.7. Sincere and honest to duties. 4.8. Eagerness to learn.

5. Resource implications	<p>The following resources must be provided:</p> <p>5.1 Pens 5.2 Telephone 5.3 Computer 5.4 Writing materials 5.5 Online communication</p>
6. Methods of Assessment	<p>6.1. Written Test 6.2. Oral Questioning 6.3. Demonstration 6.4. Portfolio</p>
7. Context of Assessment	<p>7.1. Competency assessment must be done in NSDA Accredited Assessment center 7.2. Assessment should be done by NSDA certified/ nominated assessor</p>

Accreditation Requirements

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Occupation Specific Competencies



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Unit Code and Title	OSPTN006L3V1: Perform Painting on Wooden surface
Nominal Hours	40 Hours
Unit Descriptor	This unit covers the knowledge, skills and attitude required to perform painting on wooden surface. It specifically preparing for works, surface for painting, applying enamel paint on wooden surface and maintaining workplace and store tools equipment.
Elements of Competency	Performance Criteria <u>Bold and Underlined</u> terms are elaborated in the Range of Variables.
1. Prepare for works	1.1. OSH practices are followed as per job requirement. 1.2. <u>PPE</u> are worn and per nature of the job. 1.3. <u>Tools and equipment</u> are collected as per job requirement. 1.4. <u>Materials</u> are collected as per job requirement.
2. Prepare surface for painting.	2.1. Surface is sanded as per job requirement. 2.2. Surface is cleaned as per job requirement. 2.3. Primer/base coat is mixed as per job requirement. 2.4. Primer/base coat is applied. 2.5. <u>Defects</u> of wooden surface are filled with putty. 2.6. Surface is sanded with medium grade sandpaper for further finishing.
3. Apply enamel paint on wooden surface	3.1 Synthetic Enamel paint is prepared as per manufacturers instruction. 3.2 1 st coat of synthetic enamel paint is applied on the wooden as required. 3.3 Wooden surface is sanded as per the requirement to make the surface smooth. 3.4 Intermediate coat of enamel paint is applied with appropriate tool as per job requirement. 3.5 Wooden surface is sanded further as per the requirement to make the surface shining smoother. 3.6 Top coat of enamel paint is applied to achieve the required finish as per job requirement. 3.7 Defects in painting are checked and rectified if required.
4. Maintain workplace and store tools equipment	4.1 Work area is cleaned in accordance with workplace procedures. 4.2 Unused materials are stored for re-use or disposed following workplace procedures. 4.3 Waste and scrap materials are disposed with following workplace procedures. 4.4 Tools and equipment's are gathered. 4.5 Tools and equipment are cleaned and stored as per manufacturer's recommendation.
Range of Variables	



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Variables	Range (may include but not limited to):
1. Personal protective equipment (PPE)	1.1. Dust mask 1.2. Safety glasses/Goggles 1.3. Gloves 1.4. Harness 1.5. Safety belt 1.6. Safety shoes/boots 1.7. Aprons/ Safety Jacket 1.8. Helmet 1.9. Ear plug
2. Tools and Equipment	2.1 Paint brushes / Roller 4" 2.2 Scraper 2.3 Spatula 2.4 Mixing stick 2.5 Putty knife 2.6 Jar / bucket
3. Materials	3.1 Synthetic Enamel Paint 3.2 Sand paper (120, 150) 3.3 ThinnerT6 3.4 Markin cloth
4. Defects	4.1. Cracks 4.2. Knots 4.3. Buds 4.4. Nail mark
Evidence Guide	
The evidence must be authentic, valid, sufficient, reliable, consistent and recent and meet the requirements of the current version of the Unit of Competency.	
1. Critical aspects of competency	Assessment required evidence that the candidate: <ol style="list-style-type: none"> 1.1 cleaned surface with Marcin cloth or brush to make it dust free. 1.2 applied paint coat as per job requirements. 1.3 mixed synthetic enamel paint as per job requirement. 1.4 applied synthetic enamel paint on the wooden surface. 1.5 filled surface holes with putty after first coat 1.6 checked of synthetic enamel paint.
2. Underpinning knowledge	<ol style="list-style-type: none"> 2.1 Tools and materials selection and collection 2.2 Procedure on tools and equipment checking. 2.3 Materials checking 2.4 Surface preparation methods and techniques 2.5 Method of mixing base materials and maintaining appropriate ratio. 2.6 Preparation of base materials. 2.7 Rubbing procedure of wooden surface. 2.8 Mixing procedures of synthetic enamel paint.
3. Underpinning skills	<ol style="list-style-type: none"> 3.1 Cleaning surface 3.2 Rubbing surface by using sand paper 120 3.3 Applying base coat as per job requirement.

	<p>3.4 Mixing synthetic enamel paint as per job requirement.</p> <p>3.5 Applying synthetic enamel paint wooden surface as first coat.</p> <p>3.6 Applying synthetic enamel paint wooden surface as second and final coat.</p> <p>3.7 Checking quality of synthetic enamel paint.</p>
4. Underpinning attitudes	<p>4.1 Commitment to occupational safety and health.</p> <p>4.2 Environmental concerns.</p> <p>4.3 Tidiness and timeliness.</p> <p>4.4 Respect for rights of peers and seniors in workplace.</p> <p>4.5 Eagerness to learn.</p> <p>4.6 Promptness in carrying out activities.</p> <p>4.7 Sincere and honest to duties and responsibilities.</p> <p>4.8 Communication with peers, sub-ordinates and seniors in workplace.</p>
5. Resource implications	<p>The following resources must be provided:</p> <p>5.1 Tools, equipment and physical facilities appropriate to perform activities.</p> <p>5.2 Materials, consumables to perform activities.</p>
6. Methods of assessment	<p>6.1 Written Test</p> <p>6.2 Demonstration</p> <p>6.3 Oral Questioning</p> <p>6.4 Portfolio</p>
7. Context of assessment	<p>7.1 Competency assessment must be done in NSDA Accredited Assessment center</p> <p>7.2 Assessment should be done by NSDA certified/ nominated assessor</p>

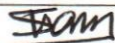
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Unit Code and Title	OSPTN007L3V1: Perform Advanced Painting on Metal Surface.
Nominal Hours	30 Hours
Unit Descriptor	This unit covers the knowledge, skills and attitude required to perform advanced painting on metal surface. It includes prepare surface for painting, apply water-based enamel paint, maintaining workplace and storing tools and equipment.
Elements of Competency	Performance Criteria <u>Bold and Underlined</u> terms are elaborated in the Range of Variables.
1. Prepare surface for painting.	<p>1.1. <u>PPE</u> are selected and used.</p> <p>1.2. <u>Tools</u> and <u>materials</u> are collected as per job requirement.</p> <p>1.3. Metals are rubbed with emery paper as per job requirement.</p> <p>1.4. Surface is cleaned as per job requirement.</p> <p>1.5. Red oxide primer is applied on the metal surfaces as per job requirement.</p>
2. Apply water-based enamel paint	<p>2.1 Water based enamel paint is selected and collected as per job requirement.</p> <p>2.2 Water based enamel paint is prepared with clean water as per manufacturer's instruction.</p> <p>2.3 One coat primer is applied as per manufacturers' recommendation.</p> <p>2.4 1st coat of water-based enamel paint is applied on the metal surface as per job requirement.</p> <p>2.5 Gaps in the metal surfaces are filled with putty after 1st coat.</p> <p>2.6 Metal surfaces are rubbed using emery paper as per job requirement.</p> <p>2.7 Topcoat is applied on the metal surface with <u>appropriate tool</u> as per job requirement.</p> <p>2.8 Defects in painting is checked as per set <u>standard</u> and rectified if required.</p>
3. Maintain workplace and store tools equipment	<p>3.1 Work area is cleaned in accordance with workplace procedures.</p> <p>3.2 Unused materials are stored for re-use or disposed following workplace procedures.</p> <p>3.3 Waste and scrap materials are disposed with following workplace procedures.</p> <p>3.4 Tools and equipment's are gathered.</p> <p>3.5 Tools and equipment are cleaned and stored as per manufacturer's recommendation.</p>
Range of Variables	




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Variable	Range (may include but not limited to):
1. Personal protective equipment (PPE)	1.1. Dust mask 1.2. Safety glasses/Goggles 1.3. Gloves 1.4. Harness 1.5. Safety belt 1.6. Safety shoes/boots 1.7. Aprons/ safety jacket 1.8. Helmet 1.9. Ear plug
2. Tools	2.1 Spray gun 2.2 Paint brushes 2.3 Scraper 2.4 Spatula 2.5 Mixing stick 2.6 Putty knife 2.7 Steel wire brush 2.8 Emery paper (80, 120)
3. Materials	3.1 Synthetic Enamel paint 3.2 Markin cloth 3.1 Clean Water
4. Appropriate tools	4.1 Spray gun/Roller 4.2 Brush 2-4"
5. Standard	5.1 Mixing ratio as per company instruction 5.2 No undulation surfaces 5.3 No crack has been observed 5.4 Painting of appropriate shining 5.5 No painting overlap is observed 5.6 No surface left without painting
Evidence Guide	
The evidence must be authentic, valid, sufficient, reliable, consistent and recent and meet the requirements of the current version of the Unit of Competency.	
1. Critical aspects of competency	Assessment required evidence that the candidate: <ol style="list-style-type: none"> 1.1. rubbed metal surfaces 1.2. applied red oxide primer as per requirement 1.3. mixed water-based enamel paint with fresh/Clean water 1.4. applied paint on metal surface using spray gun/ brush
2. Underpinning knowledge	<ol style="list-style-type: none"> 2.1 Tools and materials selection and collection. 2.2 Procedure on tools and equipment checking. 2.3 Surface preparation methods and techniques. 2.4 Method of mixing base materials and maintaining appropriate ratio. 2.5 Preparation of base materials. 2.6 Mixing process of water-based enamel paint.


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3. Underpinning skills	<ul style="list-style-type: none"> 3.1 Rubbing surface using emery paper. 3.2 Applying prime coat. 3.3 Applying prime coat using red oxide primer 3.4 Mixing enamel paint with fresh/clean water as per job requirement. 3.5 Applying enamel paint on metal surface. 3.6 Rubbing metal surface using emery paper. 3.7 Using spray gun/ brush for applying water-based enamel paint.
4. Underpinning Attitudes	<ul style="list-style-type: none"> 4.1. Commitment to occupational safety and health. 4.2. Environmental concerns. 4.3. Tidiness and timeliness. 4.4. Respect for rights of peers and seniors in workplace. 4.5. Eagerness to learn. 4.6. Promptness in carrying out activities. 4.7. Sincere and honest to duties and responsibilities. 4.8. Communication with peers, sub-ordinates and seniors in workplace.
5. Resource Implications	<p>The following resources must be provided:</p> <ul style="list-style-type: none"> 5.1. Adequate workplaces. 5.2. Metal surface materials. 5.3. Tools appropriate to the working process.
6. Methods of Assessment	<ul style="list-style-type: none"> 6.1. Written Test 6.2. Demonstration 6.3. Oral Questioning 6.4. Portfolio
7. Context of assessment	<ul style="list-style-type: none"> 7.1. Competency assessment must be done in NSDA Accredited Assessment center 7.2. Assessment should be done by NSDA certified/ nominated assessor

Accreditation Requirements

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Unit Code and Title	OSPTN008L3V1: Perform Advanced Painting on Interior Plaster Surface.
Nominal Hours	50 Hours
Unit Descriptor	This unit covers the knowledge, skills and attitude required to perform advanced painting on interior plaster surface. It includes – preparing surface for painting, applying paint, maintaining workplace and storing tools and equipment.
Elements of Competency	Performance Criteria <u>Bold and Underlined</u> terms are elaborated in the Range of Variables.
1. Prepare surface for painting.	1.1. <u>PPE</u> are selected and worn as per job nature. 1.2. <u>Tools</u> are collected as per job requirement. 1.3. <u>Materials</u> are collected as per job requirement. 1.4. Surface is sanded by sandpaper or pumice stone as per requirement. 1.5. <u>Surfaces</u> are cleaned thoroughly to make it free from mortar droppings. 1.6. <u>Defects in the wall</u> are repaired from an old surface.
2. Apply advanced paint	2.1 Sealer is applied using brush to make surface damp and salt free. 2.2 Putty is applied on the whole surface as per job requirement. 2.3 Surface is sanded by using sandpaper as per job requirement. 2.4 Paint is mixed with water in appropriate consistency as per company instructions. 2.5 1st coat of paint is applied on the prepared surface with appropriate tool. 2.6 Surface is sanded with the fine grade sandpaper per job requirement. 2.7 Intermediate coat and final coat are applied in sequence as per job requirement. 2.8 Defects in painting are checked as per set <u>standard</u> and rectified if required.
3. Maintain workplace and store tools equipment	4.1 Work area is cleaned in accordance with workplace procedures. 4.2 Unused materials are stored for re-use or disposed following workplace procedures. 4.3 Waste and scrap materials are disposed with following workplace procedures. 4.4 Tools and equipment's are gathered. 4.5 Tools and equipment are cleaned and stored as per manufacturer's recommendation.
Range of Variables	
Variable	Range (may include but not limited to):
1. Personal protective equipment (PPE)	1.1. Dust mask 1.2. Safety glasses/Goggles 1.3. Gloves

	<ul style="list-style-type: none"> 1.4. Harness 1.5. Safety belt 1.6. Safety shoes/boots 1.7. Aprons/ safety jacket 1.8. Helmet 1.9. Ear plug
2. Tools	<ul style="list-style-type: none"> 2.1 Paint brushes 2.2 Power sanders 2.3 Scraper 2.4 Spatula 2.5 Mixing stick 2.6 Putty knife 2.7 Roller brush 2.8 Roller tray 2.9 Steel wire brush 2.10 Jar / bucket 2.11 Sand paper (120) 2.12 Pumice stone (40, 120)
3. Materials	<ul style="list-style-type: none"> 3.1 Wall putty 3.2 Water Sealer 3.3 Acrylic Plastic/Emulsion paint 3.4 Green paint/Low Volatile Organic Compound (VOC)/Odor free 3.5 Sand paper 3.6 Broom stick 3.7 Marcin cloth 3.8 Bulb / light (200 watt)
4. Surfaces	<ul style="list-style-type: none"> 4.1 Old/bare surface 4.2 New surface
5. Defects in the wall	<ul style="list-style-type: none"> 5.1. Scales 5.2. Old plaster 5.3. Uneven plaster 5.4. Moisture 5.5. Blistering 5.6. Fungus / Algae 5.7. Salinity 5.8. Dampness 5.9. Holes 5.10. Minor cracks
6. Standard	<ul style="list-style-type: none"> 6.1 Mixing ratio as per company instruction 6.2 No brush mark is observed 6.3 No undulation surfaces 6.4 No crack has been observed 6.5 No painting over lap is observed 6.6 No damp is observed
<p>Evidence Guide The evidence must be authentic, valid, sufficient, reliable, consistent and recent and meet the requirements of the current version of the Unit of Competency.</p>	

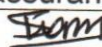
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1. Critical aspects of competency	<p>Assessment required evidence that the candidate:</p> <ol style="list-style-type: none"> 1.1. applied wall putty to the whole surface 1.2. mixed glossy/ Acrylic plastic paints/ Emulsion paint with clean water 1.3. /low VOC 1.4. applied glossy/acrylic plastic/emulsion paint as per job requirement 1.5. maintained drying time in between painting coats.
2. Underpinning knowledge	<ol style="list-style-type: none"> 2.1. Tools and materials selection and collection. 2.2. Materials quantity requirement calculation. 2.3. Surface preparation methods and techniques. 2.4. Method of mixing base materials and maintaining appropriate ratio. 2.5. Preparation of base materials. 2.6. Putty mixing procedure. 2.7. Paint mixing procedure. 2.8. Minimum drying time for interior plaster surface.
3. Underpinning skills	<ol style="list-style-type: none"> 3.1. Performing sanding on interior plaster surface. 3.2. Applying wall putty to whole surface. 3.3. Mixing Green paint with turpentine. 3.4. Applying Acrylic paints/ Emulsion/ glossy paints /low VOC on surface in sequence.
4. Underpinning Attitudes	<ol style="list-style-type: none"> 4.1. Commitment to occupational safety and health. 4.2. Environmental concerns. 4.3. Tidiness and timeliness. 4.4. Eagerness to learn. 4.5. Promptness in carrying out activities. 4.6. Sincere and honest to duties and responsibilities. 4.7. Communication with peers, sub-ordinates and seniors in workplace.
5. Resource Implications	<p>The following resources must be provided:</p> <ol style="list-style-type: none"> 5.1. Tools, equipment and physical facilities appropriate to perform activities. 5.2. Materials, consumables to perform activities.
6. Methods of Assessment	<ol style="list-style-type: none"> 6.1. Written Test 6.2. Demonstration 6.3. Oral Questioning 6.4. Portfolio
7. Context of assessment	<ol style="list-style-type: none"> 7.1. Competency assessment must be done in NSDA Accredited Assessment center 7.2. Assessment should be done by NSDA certified/ nominated assessor

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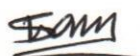


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Unit Code and Title	OSPTN009L3V1: Perform Advanced Painting on Exterior Surface.
Nominal Hours	50 Hours
Unit Descriptor	This unit covers the knowledge, skills and attitude required to perform advanced painting on exterior surface. It includes -preparing surface for painting, making suspended scaffolding for painting, applying advanced exterior paint, roofing compound and maintaining workplace and storing tools and equipment.
Elements of Competency	Performance Criteria <u>Bold and Underlined</u> terms are elaborated in the Range of Variables.
1. Prepare surface for painting	<p>1.1. <u>PPE</u> are selected and used.</p> <p>1.2. <u>Tools</u> and <u>materials</u> are selected and collected as per job requirement.</p> <p>1.3. Scaffolding is fixed as per job requirement.</p> <p>1.4. Surface is rubbed by using sand paper or pumice stone as per surface.</p> <p>1.5. Surface is cleaned with broom to make it dust free.</p> <p>1.6. <u>Defects wall</u> are removed from an old surface.</p> <p>1.7. Surface holes are filled with putty after 1st coat primer coat</p>
2. Make suspended scaffolding for painting	<p>2.1 Suspended <u>scaffolding materials</u> are identified and collected as per job requirements.</p> <p>2.2 Scaffolding is fixed with rope in accordance with work requirements.</p> <p>2.3 Installation of suspended scaffolding is carried out in accordance with <u>OHS requirements</u>.</p> <p>2.4 Suspended scaffolding joints are checked as per job requirement.</p>




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3. Apply Advanced exterior paint	<p>3.1 Paint is selected and collected as per job requirements.</p> <p>3.2 Surface is rubbed using sand paper as per job requirement.</p> <p>3.3 Base coat is prepared as per manufactures instructions.</p> <p>3.4 Base coat is applied as per industry standard.</p> <p>3.5 1st coat is applied on the prepared surface with appropriate tool.</p> <p>3.6 Finishing coat are applied in sequence as per job requirement.</p> <p>3.7 Defects in painting are checked as per set standard and rectified if required.</p>
4. Apply roofing compound	<p>4.1 Roofing Compound is selected and collected as per job requirements.</p> <p>4.2 Roof surface is prepared as per job requirement.</p> <p>4.3 1st coat is applied on the prepared surface with appropriate tool.</p> <p>4.4 Finishing coat are applied in sequence as per job requirement.</p> <p>4.5 Defects in roof surface are checked as per set standard and rectified if required.</p>
5. Maintain workplace and store tools equipment	<p>5.1 Work area is cleaned in accordance with workplace procedures.</p> <p>5.2 Unused materials are stored for re-use or disposed following workplace procedures.</p> <p>5.3 Waste and scrap materials are disposed with following workplace procedures.</p> <p>5.4 Tools and equipment's are gathered.</p> <p>5.5 Tools and equipment are cleaned and stored as per manufacturer's recommendation.</p>

Range of Variables

Variable	Range (may include but not limited to):
1. Personal protective equipment (PPE)	<p>1.1 Dust mask</p> <p>1.2 Safety glasses/Goggles</p> <p>1.3 Gloves</p> <p>1.4 Harness</p> <p>1.5 Safety belt</p> <p>1.6 Safety shoes/boots</p> <p>1.7 Aprons/ Safety jacket</p> <p>1.8 Helmet</p> <p>1.9 Ear plug</p>
2. Tools	<p>2.1 Paint brushes</p> <p>2.2 Scaffolding</p> <p>2.3 Scraper</p> <p>2.4 Spatula</p> <p>2.5 Mixing stick</p> <p>2.6 Putty knife</p> <p>2.7 Roller brush</p> <p>2.8 Steel wire brush</p>

	2.9 Jar / bucket 2.10 Pumice stone (40, 120)
3. Materials	3.1 Silicon coating 3.2 Sand paper (120, 320) 3.3 Exterior paint 3.4 Broom stick 3.5 Markin cloth 3.6 Putty (Exterior, all Purpose Putty) 3.7 Clean water
4. Defects wall	4.1 Scales 4.2 Old plaster 4.3 Uneven plaster 4.4 Moisture 4.5 Blistering 4.6 Fungus / Algae 4.7 Salinity 4.8 Dampness 4.9 Holes 4.10 Minor cracks
5. Scaffolding materials	5.1 Bamboo 5.2 Rope 5.3 Anchor 5.4 Weight stand
6. OHS requirement	6.1 Wearing od appropriate PPE 6.2 Disposal of waste materials 6.3 Availability of first aid kit
7. Exterior Paint	7.1 Anti-dirt/Water proof 7.2 Roofing compound 7.3 Silicon coating/ paint
Evidence Guide	
The evidence must be authentic, valid, sufficient, reliable, consistent and recent and meet the requirements of the current version of the Unit of Competency.	
1. Critical aspects of competency	Assessment required evidence that the candidate: 1.1 mixed paint as per job requirement. 1.2 Applied 1 st coat after applied wall putty Exterior/ all-purpose putty with roller brush. 1.3 applied 1 st and final coat of paint. 1.4 checked painted surface as per job requirements.
2. Underpinning knowledge	2.1 Tools and materials selection and collection 2.2 Procedure on tools and equipment checking. 2.3 Surface preparation methods and techniques 2.4 Method of mixing base materials and maintaining appropriate ratio. 2.5 Preparation of base materials. 2.6 Properties of paint. 2.7 Painting methods and techniques.



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3. Underpinning skills	3.1 Cleaning surface. 3.2 Filling surface holes with putty. 3.3 Mixing paint as per job requirement. 3.4 Applying first coat after Exterior/ all-purpose putty with roller brush. 3.5 Applying 1 st and final coat of paint. 3.6 Applying 1 st coat after applied wall putty with roller brush. 3.7 Applying 1 st and final coat of paint. 3.8 Checking painted surface as per job requirements.
4. Underpinning Attitudes	4.1 Commitment to occupational safety and health. 4.2 Environmental concerns. 4.3 Tidiness and timeliness. 4.4 Respect for rights of peers and seniors in workplace. 4.5 Eagerness to learn. 4.6 Promptness in carrying out activities. 4.7 Sincere and honest to duties and responsibilities. 4.8 Communication with peers, sub-ordinates and seniors in workplace.
5. Resource Implications	The following resources must be provided: 5.1 Workplace location. 5.2 Materials relevant to the proposed activity. 5.3 Hand tools and power tools to appropriate activity.
6. Methods of Assessment	6.1 Written Test 6.2 Demonstration 6.3 Oral Questioning 6.4 Portfolio
7. Context of assessment	7.1 Competency assessment must be done in NSDA Accredited Assessment center 7.2 Assessment should be done by NSDA certified/ nominated assessor

Accreditation Requirements

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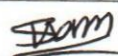
Unit Code and Title	OSPTN010L3V1: Perform Marking on Road and Bridge
Nominal Hours	40 Hours
Unit Descriptor	This unit covers the knowledge, skills and attitude required to perform marking on road and bridge. It includes preparing for works, applying paint on surface and Maintaining workplace and store tools equipment
Elements of Competency	Performance Criteria <u>Bold and Underlined</u> terms are elaborated in the Range of Variables.
1. Prepare surface for painting	1.1. <u>PPE</u> are selected and used. 1.2. <u>Tools</u> and <u>materials</u> are selected and collected as per job requirement. 1.3. Surface is cleaned with broom to make it dust free.
2. Apply paint on surface	2.1 <u>Paint</u> is selected and collected as per job requirements. 2.2 Paint is prepared as per manufactures instructions. 2.3 1 st coat is applied on the prepared surface with appropriate tool. 2.4 Finishing coat are applied in sequence as per job requirement.
3. Maintain workplace and store tools equipment	3.1 Work area is cleaned in accordance with workplace procedures. 3.2 Unused materials are stored for re-use or disposed following workplace procedures. 3.3 Waste and scrap materials are disposed with following workplace procedures.
Range of Variables	
Variable	Range (may include but not limited to):
1. Personal protective equipment (PPE)	1.1 Dust mask 1.2 Safety glasses/Goggles 1.3 Gloves 1.4 Safety shoes/boots 1.5 Aprons/ Safety jacket 1.6 Helmet
2. Tools	2.1 Paint brushes 2.2 Scraper 2.3 Mixing stick 2.4 Roller brush 2.5 Jar / bucket
3. Materials	3.1 Broom stick 3.2 Thinners
4. Paint	4.1. Road Marking paint 4.2. Light reflect paint
Evidence Guide The evidence must be authentic, valid, sufficient, reliable, consistent and recent and meet the requirements of the current version of the Unit of Competency.	



1. Critical aspects of competency	<p>Assessment required evidence that the candidate:</p> <ol style="list-style-type: none"> 1.1. selected tools and materials in accordance with specification and requirement. 1.2. Cleaned surface 1.3. Prepared paint as per manufactures instructions 1.4. Applied finishing coat. 1.5. Cleaned work area according with workplace procedures.
2. Underpinning Knowledge	<ol style="list-style-type: none"> 2.1. Personal protective equipment 2.2. Tools and materials 2.3. Types of paint 2.4. Manufactures instructions 2.5. Workplace procedures
3. Underpinning Skills	<ol style="list-style-type: none"> 3.1 Collecting tools and materials as per job requirement. 3.2 Cleaning surface with broom to make it dust free. 3.3 Collecting paint as per job requirements. 3.4 Preparing paint as per manufacturing instructions. 3.5 Applying final coat in sequence as per job requirement
4. Underpinning attitudes	<ol style="list-style-type: none"> 4.1. Commitment to occupational safety and health. 4.2. Environmental concerns. 4.3. Tidiness and timeliness. 4.4. Promptness in carrying out activities. 4.5. Sincere and honest to duties and responsibilities. 4.6. Communication with peers, sub-ordinates and seniors in workplace.
5. Resource implications	<p>The following resources must be provided:</p> <ol style="list-style-type: none"> 5.1. Adequate workplaces 5.2. Painting materials 5.3. Tools appropriate to the construction process.
6. Methods of assessment	<ol style="list-style-type: none"> 6.1. Written Test 6.2. Demonstration 6.3. Oral Questioning 6.4. Portfolio
7. Context of assessment	<ol style="list-style-type: none"> 7.1. Competency assessment must be done in NSDA Accredited Assessment center 7.2. Assessment should be done by NSDA certified/ nominated assessor

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This Competency Standard for **Painting for Construction** is a document for the development of curricula, teaching and learning materials, and assessment tools. It also serves as the document for providing training consistent with the requirements of industry in order for individuals who graduated through the established standard via competency-based assessment to be suitably qualified for a relevant job.

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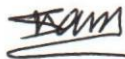
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এনএসডিএ এর কার্যনির্বাহী কমিটির
২০১০২১২১ তারিখে অনুষ্ঠিত ৫ম সভায় অনুমোদিত



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