ProQual Level 2 NVQ Diploma in Accessing Operations and Rigging (Construction)

Qualification Specification

Contents

Introduction

The ProQual Level 2 NVQ Diploma in Accessing Operations and Rigging (Construction) qualification provides a nationally recognised qualification for candidates working in the construction sector. It is designed to develop and recognise candidate skills, knowledge, and competence in this specialised area within the construction industry.

Upon completion of this qualification, candidates may progress onto further learning, such as the ProQual Level 3 NVQ Diploma in Accessing Operations and Rigging (Construction).

The awarding body for this qualification is ProQual Awarding Body (www.proqualab.com) and the regulatory body is the Office of Qualifications and Examinations Regulation (Ofqual).

The qualification has been accredited onto the Regulated Qualifications Framework (RQF) and is published on Ofqual's Register of Qualifications.

Qualification Profile

Qualification title	**ProQual Level 2 NVQ Diploma in Accessing Operations and Rigging (Construction)**
Ofqual qualification number	610/4275/4
Level	2
Total qualification time	510 – 880 Hours (Dependant on Pathway)
Guided learning hours	274 – 609 Hours (Dependant on Pathway)
Assessment	Pass or fail Internally assessed and verified by centre staff External quality assurance by ProQual verifiers
Qualification start date	01/08/2024
Qualification end date	

Entry Requirements

There are no formal entry requirements for this qualification.

Centres should carry out an **initial assessment** of candidate skills and knowledge to identify any gaps and help plan the assessment.

Qualification Structure

Candidates must complete all of the required units for one of the following pathways:

Pathway	Minimum TQT
Scaffolding	840
Steeplejacking	810
Lightning Protection Engineer	880
Suspended Access Equipment – Temporary	760
Suspended Access Equipment – Permanent	720
Safety Net Rigging	510
Fall Protection Systems	420
Offshore	840

Information about the units required for each pathway can be found on the following pages.

Pathway One: Scaffolding				
Mandatory Units – Candidates must complete ALL of the units in the group				
Unit Reference Number	**Unit Title**	**Unit Level**	**GLH**	***CITB Ref No***
F/651/1772	Erecting and Dismantling Independent and Birdcage Scaffolds in the Workplace *This unit has the following endorsement requirements:* ***One** of the following:* • *Tube and Fitting* • *System Scaffold*	2	100	247v2
M/651/1768	Erecting and Dismantling Mobile or Static Scaffold Towers in the Workplace *This unit has the following endorsement requirements:* ***One** of the following:* • *Tube and Fitting* • *System Scaffold*	2	80	248v2
H/651/1773	Erecting and Dismantling Cantilever Scaffolds in the Workplace *This unit has the following endorsement requirements:* *Tube and fitting OR systems scaffold to **one** of the following:* • *Cantilever Truss Out* • *Cantilever Fan*	2	100	249v2
J/651/1774	Erecting and Dismantling Pedestrian Access Lift or Roof Saddle in the Workplace *This unit has the following endorsement requirements:* *Tube and fitting OR systems scaffold to **one** of the following:* • *Pedestrian Access Lift* • *Roof Saddle*	2	80	251v2
Y/651/1760	Utilising the Provision of Fall Protection Systems in the Workplace *This unit has the following endorsement requirements:* *Own area of work (aligning to one of the pathways), PLUS, **two** or more of the following:* • *Scaffold/Rigging* • *Secured Steelwork Structures* • *Wire and Rope Systems* • *Permanently Installed Anchorage Points* • *Temporary Anchorage Points* • *Track Systems* • *Proprietary Systems*	2	90	252v2

M/508/6537	Conforming to General Health, Safety and Welfare in the Workplace	1	17	641v1
T/508/6538	Conforming to Productive Working Practices in the Workplace	2	20	642v1
F/503/1171	Moving, Handling and Storing Resources in the Workplace	2	27	643v1
Additional Units – These units are not compulsory				
K/651/1775	Equipping Scaffolds with Safeguards and Environmental Protection in the Workplace	2	95	258v2
T/650/9529	Installing, Maintaining and Removing Work Area Protection and Safety Equipment in the Workplace *This unit has the following endorsement requirements:* ***One*** *of the following:* • *Protection and Safety Notices* • *Safety Lighting*	2	65	360v4
L/651/1776	Inspecting Scaffolding and Rigging Systems in the Workplace	3	150	411v3

Pathway Two: Steeplejacking				
Mandatory Units – Candidates must complete ALL of the units in the group				
Unit Reference Number	**Unit Title**	**Unit Level**	**GLH**	***CITB Ref No***
M/651/1777	Erecting and Dismantling Steeplejack Scaffolds in the Workplace *<u>This unit has the following endorsement requirements:</u>* ***One** of the following:* • *Tube and Fitting* • *System Scaffold*	2	100	253v3
R/651/1778	Erecting and Removing Specialist Access Equipment in the Workplace *<u>This unit has the following endorsement requirements:</u>* *When completed as part of Pathway Two: Steeplejacking; **one** of the following:* • *Steeplejack Vertical Ladders* • *Roof Ladders*	2	90	254v3
T/651/1788	Installing and Removing Temporary Lifting and Suspension Apparatus in the Workplace *<u>This unit has the following endorsement requirements:</u>* *When completed as part of Pathway Two: Steeplejacking, **two** of the following:* • *Block and Tackle Material Lifting Gear (manual and Mechanical)* • *Suspended Platforms* • *Rope Access Anchor Systems* • *Bosun's Seats* • *Winches* • *Counterbalance Suspension Rigs* • *Suspension Rigs*	2	100	255v2
Y/651/1760	Utilising the Provision of Fall Protection Systems in the Workplace *<u>This unit has the following endorsement requirements:</u>* *Own area of work (aligning to one of the pathways), PLUS, **two** or more of the following:* • *Scaffold/Rigging* • *Secured Steelwork Structures* • *Wire and Rope Systems* • *Permanently Installed Anchorage Points* • *Temporary Anchorage Points* • *Track Systems* • *Proprietary Systems*	2	90	252v2
M/508/6537	Conforming to General Health, Safety and Welfare in the Workplace	1	17	641v1

T/508/6538	Conforming to Productive Working Practices in the Workplace	2	20	642v1
F/503/1171	Moving, Handling and Storing Resources in the Workplace	2	27	643v1
Additional Units – These units are not compulsory				
F/651/1790	Erecting Metal Chimneys in the Workplace *This unit has the following endorsement requirements:* ***One** of the following:* • *Mechanically Joined* • *Welded*	2	73	53v3
T/615/2211	Applying Surface Coatings by Brush and Roller in the Workplace *This unit has the following endorsement requirements:* ***One** of the following:* • *Decorative Finishing* • *Industrial Painting*	3	80	333v3
Y/651/1789	Preparing and Operating Scissor-Type Mobile Elevating Work Platforms (MEWP) in the Workplace	2	50	392Av3
R/651/2271	Preparing and Operating Boom-Type Mobile Elevating Work Platforms (MEWP) in the Workplace	2	57	392Bv3
D/651/2275	Preparing and operating mast climber-type mobile elevating work platforms (MEWP) in the workplace	2	50	392Cv3

Pathway Three: Lightning Protection Engineer				
Mandatory Units – Candidates must complete ALL of the units in the group				
Unit Reference Number	**Unit Title**	**Unit Level**	**GLH**	***CITB Ref No***
H/651/1791	Installing Lightning Conductor Systems in the Workplace	2	100	256v2
J/651/1792	Commissioning Lightning Conductor Installation Systems in the Workplace	2	140	257v2
K/650/8922	Identifying and Marking the Location of Utilities Apparatus and Sub-Structures in the Workplace	2	75	372v3
R/651/1778	Erecting and Removing Specialist Access Equipment in the Workplace *<u>This unit has the following endorsement requirements:</u>* *When completed as part of Pathway Three: Lightning Protection Engineer; **one** of the following:* • *Roof Ladders* • *Fixed Ladders* • *Tower Scaffolds*	2	90	254v3
Y/651/1760	Utilising the Provision of Fall Protection Systems in the Workplace *<u>This unit has the following endorsement requirements:</u>* *Own area of work (aligning to one of the pathways), PLUS, **two** or more of the following:* • *Scaffold/Rigging* • *Secured Steelwork Structures* • *Wire and Rope Systems* • *Permanently Installed Anchorage Points* • *Temporary Anchorage Points* • *Track Systems* • *Proprietary Systems*	2	90	252v2
M/508/6537	Conforming to General Health, Safety and Welfare in the Workplace	1	17	641v1
T/508/6538	Conforming to Productive Working Practices in the Workplace	2	20	642v1
F/503/1171	Moving, Handling and Storing Resources in the Workplace	2	27	643v1

Additional Units – These units are not compulsory				
T/651/1788	Installing and Removing Temporary Lifting and Suspension Apparatus in the Workplace *<u>This unit has the following endorsement requirements:</u>* *When completed as part of Pathway Three: Lightning Protection Engineer, **two** of the following:* • *Block and Tackle Material Lifting Gear (manual and Mechanical)* • *Rope Access Anchor Systems* • *Counterbalance Suspension Rigs* • *Suspension Rigs*	2	100	255v2
Y/651/1789	Preparing and Operating Scissor-Type Mobile Elevating Work Platforms (MEWP) in the Workplace	2	50	392Av3
R/651/2271	Preparing and Operating Boom-Type Mobile Elevating Work Platforms (MEWP) in the Workplace	2	57	392Bv3
D/651/2275	Preparing and operating mast climber-type mobile elevating work platforms (MEWP) in the workplace	2	50	392Cv3

Pathway Four: Suspended Access Equipment - Temporary				
Mandatory Units – Candidates must complete ALL of the units in the group				
T/651/1788	Installing and Removing Temporary Lifting and Suspension Apparatus in the Workplace *<u>This unit has the following endorsement requirements:</u>* *When completed as part of Pathway Four: Suspended Access Equipment - Temporary, **three** of the following:* • *Suspended Platforms* • *Winches* • *Counterbalance Suspension Rigs* • *Rope Access Anchor System* • *Suspension Rigs*	2	100	255v2
Y/615/2363	Inspecting and Completing User Maintenance on Plant or Machinery in the Workplace *<u>This unit has the following endorsement requirements:</u>* ***Four** of the following:* • *Cooling Systems* • *Oil(s) and Lubricants* • *Fuel(s)* • *Running Gear and Drive Mechanisms* • *Electrics, Instruments, Lights and Warning Devices*	1	55	657v1
R/651/1778	Erecting and Removing Specialist Access Equipment in the Workplace *<u>This unit has the following endorsement requirements:</u>* *When completed as part of Pathway Four: Suspended Access Equipment - Temporary; **one** of the following:* • *Suspended Access Equipment* • *Suspended Platforms*	2	90	254v3
Y/651/1760	Utilising the Provision of Fall Protection Systems in the Workplace *<u>This unit has the following endorsement requirements:</u>* *Own area of work (aligning to one of the pathways), PLUS, **two** or more of the following:* • *Scaffold/Rigging* • *Secured Steelwork Structures* • *Wire and Rope Systems* • *Permanently Installed Anchorage Points* • *Temporary Anchorage Points* • *Track Systems* • *Proprietary Systems*	2	90	252v2
M/508/6537	Conforming to General Health, Safety and Welfare in the Workplace	1	17	641v1
T/508/6538	Conforming to Productive Working Practices in the Workplace	2	20	642v1

F/503/1171	Moving, Handling and Storing Resources in the Workplace	2	27	643v1

Pathway Five: Suspended Access Equipment - Permanent				
Mandatory Units – Candidates must complete ALL of the units in the group				
K/651/1793	Installing Permanent Suspended Access Equipment in the Workplace *<u>This unit has the following endorsement requirements:</u>* ***Two** of the following:* • *Travelling Gantries* • *Travelling Ladders* • *Suspended Platforms* • *Davits* • *Building Maintenance Units (BMUs)* • *Monorail Systems*	2	80	259v2
L/651/1794	Using Cradle Access Systems in the Workplace *<u>This unit has the following endorsement requirements:</u>* *Prepare, operate, and shut down **two** of the following:* • *Travelling Gantries* • *Travelling Ladders* • *Suspended Platforms* • *Davits* • *Building Maintenance Units (BMUs)* • *Monorail Systems*	2	120	260v2
T/650/9529	Installing, Maintaining and Removing Work Area Protection and Safety Equipment in the Workplace *<u>This unit has the following endorsement requirements:</u>* ***One** of the following:* • *Protection and Safety Notices* • *Safety Lighting*	2	65	360v4
Y/615/2363	Inspecting and Completing User Maintenance on Plant or Machinery in the Workplace *<u>This unit has the following endorsement requirements:</u>* ***Four** of the following:* • *Cooling Systems* • *Oil(s) and Lubricants* • *Fuel(s)* • *Running Gear and Drive Mechanisms* • *Electrics, Instruments, Lights and Warning Devices*	1	55	657v1

Y/651/1760	Utilising the Provision of Fall Protection Systems in the Workplace *<u>This unit has the following endorsement requirements:</u>* *Own area of work (aligning to one of the pathways), PLUS, **two** or more of the following:* • *Scaffold/Rigging* • *Secured Steelwork Structures* • *Wire and Rope Systems* • *Permanently Installed Anchorage Points* • *Temporary Anchorage Points* • *Track Systems* • *Proprietary Systems*	2	90	252v2
M/508/6537	Conforming to General Health, Safety and Welfare in the Workplace	1	17	641v1
T/508/6538	Conforming to Productive Working Practices in the Workplace	2	20	642v1
F/503/1171	Moving, Handling and Storing Resources in the Workplace	2	27	643v1

Pathway Six: Safety Net Rigging				
Mandatory Units – Candidates must complete ALL of the units in the group				
M/651/1795	Installing and removing Safety Net Rigging in the Workplace	2	80	261v2
Y/651/1760	Utilising the Provision of Fall Protection Systems in the Workplace *<u>This unit has the following endorsement requirements:</u>* *Own area of work (aligning to one of the pathways), PLUS, **two** or more of the following:* • *Scaffold/Rigging* • *Secured Steelwork Structures* • *Wire and Rope Systems* • *Permanently Installed Anchorage Points* • *Temporary Anchorage Points* • *Track Systems* • *Proprietary Systems*	2	90	252v2
M/508/6537	Conforming to General Health, Safety and Welfare in the Workplace	1	17	641v1
T/508/6538	Conforming to Productive Working Practices in the Workplace	2	20	642v1
F/503/1171	Moving, Handling and Storing Resources in the Workplace	2	27	643v1
Optional Units – Candidates Must Complete ONE Unit from this group				
Y/651/1789	Preparing and Operating Scissor-Type Mobile Elevating Work Platforms (MEWP) in the Workplace	2	50	392Av3
R/651/2271	Preparing and Operating Boom-Type Mobile Elevating Work Platforms (MEWP) in the Workplace	2	57	392Bv3
D/651/2275	Preparing and operating mast climber-type mobile elevating work platforms (MEWP) in the workplace	2	50	392Cv3

Pathway Seven: Fall Protection Systems				
Mandatory Units – Candidates must complete ALL of the units in the group				
F/651/1871	Installing and Setting Up Fall Protection Systems in the Workplace	2	120	262v2
Y/651/1760	Utilising the Provision of Fall Protection Systems in the Workplace *<u>This unit has the following endorsement requirements:</u>* *Own area of work (aligning to one of the pathways), PLUS, **two** or more of the following:* • *Scaffold/Rigging* • *Secured Steelwork Structures* • *Wire and Rope Systems* • *Permanently Installed Anchorage Points* • *Temporary Anchorage Points* • *Track Systems* • *Proprietary Systems*	2	90	252v2
M/508/6537	Conforming to General Health, Safety and Welfare in the Workplace	1	17	641v1
T/508/6538	Conforming to Productive Working Practices in the Workplace	2	20	642v1
F/503/1171	Moving, Handling and Storing Resources in the Workplace	2	27	643v1
Additional Units – These units are not compulsory				
Y/651/1789	Preparing and Operating Scissor-Type Mobile Elevating Work Platforms (MEWP) in the Workplace	2	50	392Av3
R/651/2271	Preparing and Operating Boom-Type Mobile Elevating Work Platforms (MEWP) in the Workplace	2	57	392Bv3
D/651/2275	Preparing and operating mast climber-type mobile elevating work platforms (MEWP) in the workplace	2	50	392Cv3

Pathway Eight: Offshore				
Mandatory Units – Candidates must complete ALL of the units in the group				
F/651/1772	Erecting and Dismantling Independent and Birdcage Scaffolds in the Workplace *This unit has the following endorsement requirements:* ***One*** *of the following:* • *Tube and Fitting* • *System Scaffold*	2	100	247v2
M/651/1768	Erecting and Dismantling Mobile or Static Scaffold Towers in the Workplace *This unit has the following endorsement requirements:* ***One*** *of the following:* • *Tube and Fitting* • *System Scaffold*	2	80	248v2
H/651/1773	Erecting and Dismantling Cantilever Scaffolds in the Workplace *This unit has the following endorsement requirements:* *Tube and fitting OR systems scaffold to* ***one*** *of the following:* • *Cantilever Truss Out* • *Cantilever Fan*	2	100	249v2
Y/651/1760	Utilising the Provision of Fall Protection Systems in the Workplace *This unit has the following endorsement requirements:* *Own area of work (aligning to one of the pathways), PLUS,* ***two*** *or more of the following:* • *Scaffold/Rigging* • *Secured Steelwork Structures* • *Wire and Rope Systems* • *Permanently Installed Anchorage Points* • *Temporary Anchorage Points* • *Track Systems* • *Proprietary Systems*	2	90	252v2
M/508/6537	Conforming to General Health, Safety and Welfare in the Workplace	1	17	641v1
T/508/6538	Conforming to Productive Working Practices in the Workplace	2	20	642v1
F/503/1171	Moving, Handling and Storing Resources in the Workplace	2	27	643v1

Optional Units – Candidates must complete ONE unit from this group				
T/651/1788	Installing and Removing Temporary Lifting and Suspension Apparatus in the Workplace *<u>This unit has the following endorsement requirements:</u>* *When completed as part of Pathway Eight: Offshore, **two** of the following:* • *Block and Tackle Material Lifting Gear (manual and Mechanical)* • *Winches* • *Rope Access Anchor System*	2	100	255v2
J/651/1774	Erecting and Dismantling Pedestrian Access Lift or Roof Saddle in the Workplace *<u>This unit has the following endorsement requirements:</u>* *Tube and fitting OR systems scaffold to one of the following:* • *Pedestrian Access Lift* • *Roof Saddle*	2	80	251v2
Additional Units – These units are not compulsory				
K/651/1775	Equipping Scaffolds with Safeguards and Environmental Protection in the Workplace	2	95	258v2
L/651/1776	Inspecting Scaffolding and Rigging Systems in the Workplace	3	150	411v3

Centre Requirements

Centres must be approved to offer this qualification. If your centre is not approved please complete and submit form **ProQual Additional Qualification Approval Application**.

Staff
Staff delivering this qualification must be appropriately qualified and/or occupationally competent.

Assessors/Internal Quality Assurance
Assessors for each unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.

Assessors and internal quality assurance verifiers for competence-based units or qualifications will normally need to hold appropriate assessor or internal quality assurance qualifications.

Suitable assessment qualifications may include:

- ProQual Level 3 Certificate in Teaching, Training and Assessment
- ProQual Level 3 Award in Education and Training
- ProQual Level 3 Award in Assessing Competence in the Work Environment
- ProQual Level 3 Award in Assessing Vocational Achievement
- ProQual Level 4 Certificate in Education and Training

Suitable internal verification qualifications may include:

- ProQual Level 4 Award in the Internal QA of Assessment Processes and Practice
- ProQual Level 4 Certificate in Leading the Internal QA of Assessment Processes and Practice

Support for Candidates

Materials produced by centres to support candidates should:

- Enable them to track their achievements as they progress through the learning outcomes and assessment criteria;
- Provide information on where ProQual's policies and procedures can be viewed;
- Provide a means of enabling Internal and External Quality Assurance staff to authenticate evidence

Assessment

This qualification is competence-based, candidates must demonstrate the level of competence described in the units. Assessment is the process of measuring a candidate's skill, knowledge and understanding against the standards set in the qualification.

This qualification must be internally assessed by an appropriately experienced and qualified assessor.

Each candidate is required to produce a portfolio of evidence which demonstrates their achievement of all of the learning outcomes and assessment criteria for each unit.

Evidence can include:

- Observation report by assessor
- Assignments/projects/reports
- Professional discussion
- Witness testimony
- Candidate product
- Worksheets
- Record of oral and written questioning
- Recognition of Prior Learning

Learning outcomes set out what a candidate is expected to know, understand or be able to do.

Assessment criteria specify the standard a candidate must meet to show the learning outcome has been achieved.

Learning outcomes and assessment criteria can be found from page 23.

Additional information for assessment and requirements for unit **endorsements** where relevant is included after all of the learning outcomes and assessment criteria for each unit.

Internal Quality Assurance

An internal quality assurance verifier confirms that assessment decisions made in centres are made by competent and qualified assessors, that they are the result of sound and fair assessment practice and that they are recorded accurately and appropriately.

Adjustments to Assessments

Adjustments to standard assessment arrangements are made on the individual needs of candidates. ProQual's Reasonable Adjustments Policy and Special Consideration Policy sets out the steps to follow when implementing reasonable adjustments and special considerations and the service that ProQual provides for some of these arrangements.

Centres should contact ProQual for further information or queries about the contents of the policy.

Results Enquiries and Appeals

All enquiries relating to assessment or other decisions should be dealt with by centres, with reference to ProQual's Enquiries and Appeals Procedures.

Certification

Candidates who achieve the requirements for this qualification will be awarded:

- A certificate listing all units achieved, and
- A certificate giving the full qualification title -

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Claiming certificates

Centres may claim certificates for candidates who have been registered with ProQual and who have successfully achieved the qualification. All certificates will be issued to the centre for successful candidates.

Unit certificates

If a candidate does not achieve all of the units required for a qualification, the centre may claim a unit certificate for the candidate which will list all of the units achieved.

Replacement certificates

If a replacement certificate is required a request must be made to ProQual in writing. Replacement certificates are labelled as such and are only provided when the claim has been authenticated. Refer to the Fee Schedule for details of charges for replacement certificates.

Units – Learning Outcomes and Assessment Criteria

Title:	Utilising the Provision of Fall Protection Systems in the Workplace
Unit Number:	Y/651/1760

Learning Outcomes *The learner will be able to:*		**Assessment Criteria** *The learner can:*	
1	Interpret the given information relating to the work and resources when utilising the provision of fall protection systems.	1.1	Interpret and extract relevant information from: • Plans. • Drawings and sketches. • Specifications. • Method statements. • Risk assessments. • Schedules. • Manufacturers' information.
		1.2	Comply with information and/or instructions derived from risk assessments and method statements.
		1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
		1.4	Describe different types of information, their source and how they are interpreted in relation to: • Plans. • Drawings. • Specifications. • Method statements. • Risk assessments. • Schedules. • Manufacturers' information. • Regulations. • Official guidance.

2	Know how to comply with relevant legislation and official guidance when utilising the provision of fall protection systems.	2.1	Describe their responsibilities regarding potential accidents, health hazards and the environment, whilst working: • In the workplace. • Below ground level. • In confined spaces. • At height. • With tools and equipment. • With materials and substances. • With the movement and storage of materials by manual handling and mechanical lifting.
		2.2	Describe the organisational security procedures for: • Site. • Tools. • Equipment. • Personal belongings. • Workplace. • Company. • Operative. • Vehicles.
		2.3	Explain what the accident reporting procedures are and who is responsible for making reports.
3	Maintain safe and healthy working practices when utilising the provision of fall protection systems.	3.1	Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements.
		3.2	Demonstrate compliance with given information and relevant legislation in relation to the following: • Safe use of access equipment. • Safe use, storage and handling of materials, tools and equipment. • Specific risks to health.
		3.3	Explain why and when health and safety control equipment, identified by the principles of prevention should be used, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: • Collective protective measures. • Personal protective equipment (PPE). • Respiratory protective equipment (RPE). • Local exhaust ventilation (LEV).

3	*Cont.*	3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.
		3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with: • Fires, spillages, injuries. • Other task-related activities.
4	Select the required quantity and quality of resources for the methods of work to utilise provision of fall protection systems.	4.1	Select resources associated with own work in relation to: • Materials and components. • Tools and equipment.
		4.2	Describe the characteristics, quality, uses, limitations, and defects associated with the resources in relation to: • Collective protective equipment. • Full body harness and associated personal equipment. • Lanyard with and without shock absorber. • Associated hooks, rings, and buckles. • Hand tools, portable power tools and equipment.
		4.3	Describe how to confirm that the resources and materials conform to the specification.
		4.4	Describe how the resources should be used correctly, how problems associated with the resources are reported.
		4.5	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
		4.6	Describe any potential hazards associated with the resources and method of work.
		4.7	Describe how to calculate quantity associated with the method and procedure to utilise the provision of fall protection systems.

5	Minimise the risk of damage to the work and surrounding area when utilising the provision of fall protection systems.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
		5.2	Maintain a clear and tidy workspace.
		5.3	Dispose of waste in accordance with legislation.
		5.4	Describe how to protect work from damage and the purpose of protection in relation to: • General workplace activities. • Other occupations. • Adverse weather conditions.
		5.5	Explain why the disposal of waste should be carried out safely in accordance with: • Environmental responsibilities. • Organisational procedures. • Manufacturers' information. • Statutory regulations. • Official guidance.
6	Complete the work within the allocated time when utilising the provision of fall protection systems.	6.1	Demonstrate completion of the work within the estimated allocated time.
		6.2	Describe the purpose of the work programme and explain why deadlines should be kept in relation to: • Types of progress charts. • Timetables. • Estimated times. • Organisational procedures for reporting circumstances which will affect the work programme.
7	Comply with the given contract information to utilise the provision of fall protection systems to the required specification.	7.1	Demonstrate the following work skills: • Wearing. • Attaching. • Setting out. • Positioning. • Securing. • Checking. • Removing.
		7.2	Use and maintain hand tools and fall protection systems and equipment.

7 *Cont.*

7.3 Employ and utilise fall protection systems and equipment to given working instructions, using recognised anchor points for at least **two** of the following:

- Scaffold/rigging.
- Secured steelwork structures.
- Wire and rope systems.
- Permanently installed anchorage points.
- Temporary anchorage points.
- Track systems.
- Proprietary systems.

7.4 Describe how to apply safe and healthy work practices, follow procedures, report problems, and establish the authority needed to rectify them, to:

- Locate and position fall protection systems.
- Wear safety harnesses, attach, and secure to fall protection system's equipment.
- Identify the differences between, fall arrest, restraint and access systems and harnesses.
- Identify the differences between shock absorbent and restraining lanyards.
- Visually inspect the fall protection system and equipment for security, safety, and operational movement.
- Identify the thorough examination and test criteria for fall protection equipment (inertia reels, eyebolts, and anchor points).
- Apply hierarchy of control measures for working at height.
- Detach and remove fall protection attire and equipment.
- Comply with a rescue plan.
- Work with, around and in close proximity to plant and machinery.
- Use hand tools.
- Use access equipment.

7.5 Describe the needs of other occupations and how to communicate within a team.

7.6 Describe how to maintain the tools, systems and equipment used.

Unit Endorsements

This unit has the following endorsement requirements:

Own area of work (aligning to one of the pathways), **PLUS**, two or more of the following:

- Scaffold/Rigging
- Secured Steelwork Structures
- Wire and Rope Systems
- Permanently Installed Anchorage Points
- Temporary Anchorage Points
- Track Systems
- Proprietary Systems

Title:	Utilising the Provision of Fall Protection Systems in the Workplace
Additional information about this unit	
Assessment Guidance	This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment. Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy. **Workplace evidence of skills cannot be simulated.**
Sector Subject Area	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	80
Assessment hours	10

Title:	Conforming to General Health, Safety and Welfare in the Workplace
Unit Number:	M/508/6537

Learning Outcomes *The learner will be able to:*		**Assessment Criteria** *The learner can:*	
1	Comply with all workplace health, safety and welfare legislation requirements.	1.1	Comply with information from workplace inductions and any health, safety and welfare briefings attended relevant to the occupational area.
		1.2	Use health and safety control equipment safely to carry out the activity in accordance with legislation and organisational requirements.
		1.3	Comply with statutory requirements, safety notices and warning notices displayed within the workplace and/or on equipment.
		1.4	State why and when health and safety control equipment, identified by the principles of protection, should be used relating to types, purpose and limitations of each type, the work situation, occupational use and the general work environment, in relation to: • Collective protective measures. • Personal protective equipment (PPE). • Respiratory protective equipment (RPE). • Local exhaust ventilation (LEV).
		1.5	State how the health and safety control equipment relevant to the work should be used in accordance with the given instructions.
		1.6	State which types of health, safety and welfare legislation, notices and warning signs are relevant to the occupational area and associated equipment.
		1.7	State why health, safety and welfare legislation, notices and warning signs are relevant to the occupational area.
		1.8	State how to comply with control measures that have been identified by risk assessments and safe systems of work.

2	Recognise hazards associated with the workplace that have not been previously controlled and report them in accordance with organisational procedures.	2.1	Report any hazards created by changing circumstances within the workplace in accordance with organisational procedures.
		2.2	List typical hazards associated with the work environment and occupational area in relation to resources, substances, asbestos, equipment, obstructions, storage, services and work activities.
		2.3	List the current Health and Safety Executive top ten safety risks.
		2.4	List the current Health and Safety Executive top five health risks.
		2.5	State how changing circumstances within the workplace could cause hazards.
		2.6	State the methods used for reporting changed circumstances, hazards and incidents in the workplace.
3	Comply with organisational policies and procedures to contribute to health, safety and welfare.	3.1	Interpret and comply with given instructions to maintain safe systems of work and quality working practices.
		3.2	Contribute to discussions by offering/providing feedback relating to health, safety and welfare.
		3.3	Contribute to the maintenance of workplace welfare facilities in accordance with workplace welfare procedures.
		3.4	Safely store health and safety control equipment in accordance with given instructions.
		3.5	Dispose of waste and/or consumable items in accordance with legislation.
		3.6	State the organisational policies and procedures for health, safety and welfare, in relation to: • Dealing with accidents and emergencies associated with the work and environment. • Methods of receiving or sourcing information. • Reporting. • Stopping work. • Evacuation. • Fire risks and safe exit procedures. • Consultation and feedback.

3	*Cont.*	3.7	State the appropriate types of fire extinguishers relevant to the work.
		3.8	State how and when the different types of fire extinguishers are used in accordance with legislation and official guidance.
4	Work responsibly to contribute to workplace health, safety and welfare whilst carrying out work in the relevant occupational area.	4.1	Demonstrate behaviour which shows personal responsibility for general workplace health, safety and welfare.
		4.2	State how personal behaviour demonstrates responsibility for general workplace health, safety and welfare, in relation to: • Recognising when to stop work in the face of serious and imminent danger to self and/or others. • Contributing to discussions and providing feedback. • Reporting changed circumstances and incidents in the workplace. • Complying with the environmental requirements of the workplace.
		4.3	Give examples of how the behaviour and actions of individuals could affect others within the workplace.
5	Comply with and support all organisational security arrangements and approved procedures.	5.1	Provide appropriate support for security arrangements in accordance with approved procedures: • During the working day. • On completion of the day's work. • For unauthorised personnel (other operatives and the general public). • For theft.
		5.2	State how security arrangements are implemented in relation to the workplace, the general public, site personnel and resources.

Title:	Conforming to General Health, Safety and Welfare in the Workplace
Additional information about this unit	
Assessment Guidance	This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment. Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy. **Workplace evidence of skills cannot be simulated.**
Sector Subject Area	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	7
Assessment hours	10

Title:	Conforming to Productive Working Practices in the Workplace
Unit Number:	T/508/6538

Learning Outcomes *The learner will be able to:*		**Assessment Criteria** *The learner can:*	
1	Communicate with others to establish productive work practices.	1.1	Communicate in an appropriate manner with line management, colleagues and/or customers to ensure that work is carried out productively.
		1.2	Describe the different methods of communicating with line management, colleagues and customers.
		1.3	Describe how to use different methods of communication to ensure that the work carried out is productive.
2	Follow organisational procedures to plan the sequence of work.	2.1	Interpret relevant information from organisational procedures in order to plan the sequence of work.
		2.2	Plan the sequence of work, using appropriate resources, in accordance with organisational procedures to ensure work is completed productively.
		2.3	Describe how organisational procedures are applied to ensure work is planned and carried out productively, in relation to: • Using resources for own and other's work requirements. • Allocating appropriate work to employees. • Organising the work sequence. • Reducing carbon emissions.
		2.4	Describe how to contribute to zero/low carbon work outcomes within the built environment.
3	Maintain relevant records in accordance with the organisational procedures.	3.1	Complete relevant documentation according to the occupation as required by the organisation.
		3.2	Describe how to complete and maintain documentation in accordance with organisational procedures, in relation to: • Job cards. • Worksheets. • Material / resource lists • Time sheets.
		3.3	Explain the reasons for ensuring documentation is completed clearly and within given timescales.

4	Maintain good working relationships when conforming to productive working practices.	4.1	Carry out work productively, to the agreed specification, in conjunction with line management, colleagues, customers and/or other relevant people involved in the work to maintain good working relationships.
		4.2	Apply the principles of equality and diversity and respect the needs of individuals when communicating and working with others.
		4.3	Describe how to maintain good working relations, in relation to: • Individuals. • Customers and operative. • Operative and line management. • Own and other occupations.
		4.4	Describe why it is important to work effectively with line management, colleagues, and customers.
		4.5	Describe how working relationships could have an effect on productive working.
		4.6	Describe how to apply principles of equality and diversity when communicating and working with others.

Title:	Conforming to Productive Working Practices in the Workplace
Additional information about this unit	
Assessment Guidance	This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment. Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy. **Workplace evidence of skills cannot be simulated.**
Sector Subject Area	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	10
Assessment hours	10

Title:	Moving, Handling and Storing Resources in the Workplace
Unit Number:	F/503/1171

Learning Outcomes *The learner will be able to:*		**Assessment Criteria** *The learner can:*	
1	Comply with given information when moving, handling and/or storing resources.	1.1	Interpret the given information relating to moving, handling and/or storing resources, relevant to the given occupation.
		1.2	Interpret the given information relating to the use and storage of lifting aids and equipment.
		1.3	Describe the different types of technical, product and regulatory information, their source and how they are interpreted.
		1.4	State the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
		1.5	Describe how to obtain information relating to using and storing lifting aids and equipment.
2	Know how to comply with relevant legislation and official guidance when moving, handling and/or storing resources.	2.1	Describe their responsibilities under current legislation and official guidance whilst working: • In the workplace. • In confined spaces. • Below ground level. • At height. • With tools and equipment. • With materials and substances. • With movement/storage of materials. • By manual handling and mechanical lifting.
		2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
		2.3	Explain what the accident reporting procedures are and who is responsible for making the reports.
		2.4	State the appropriate types of fire extinguishers relevant to the work.
		2.5	Describe how and when the different types of fire extinguishers, relevant to the given occupation, are used in accordance with legislation and official guidance.

3	Maintain safe working practices when moving, handling and/or storing resources.	3.1	Use health and safety control equipment safely to carry out the activity in accordance with legislation and organisational requirements when moving, handling and/or storing resources.
		3.2	Use lifting aids safely as appropriate to the work.
		3.3	Protect the environment in accordance with safe working practices as appropriate to the work.
		3.4	Explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to moving, handling and/or storing resources, and the types, purpose and limitations of each type, the work situation, occupational use and the general work environment, in relation to: • Collective protective measures. • Personal protective equipment (PPE). • Respiratory protective equipment (RPE). • Local exhaust ventilation (LEV).
		3.5	Describe how the health and safety control equipment relevant to the work should be used in accordance with the given instructions.
		3.6	State how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards.
4	Select the required quantity and quality of resources for the methods of work to move, handle and/or store occupational resources.	4.1	Select the relevant resources to be moved, handled and/or stored, associated with own work.
		4.2	Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the occupational resources in relation to: • Lifting and handling aids. • Container(s) • Fixing, holding and securing systems.
		4.3	Describe how the resources should be handled and how any problems associated with the resources are reported.
		4.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.

4	*Cont.*	4.5	Describe any potential hazards associated with the resources and methods of work.
5	Prevent the risk of damage to occupational resources and surrounding environment when moving, handling and/or storing resources.	5.1	Protect occupational resources and their surrounding area from damage in accordance with safe working practices and organisational procedures.
		5.2	Dispose of waste and packaging in accordance with legislation.
		5.3	Maintain a clean work space when moving, handling or storing resources.
		5.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions
		5.5	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance.
6	Complete the work within the allocated time when moving, handling and/or storing resources.	6.1	Demonstrate completion of the work within the allocated time.
		6.2	State the purpose of the work programme and explain why deadlines should be kept in relation to: • Progress charts. • Timetables. • Estimated times. • Organisational procedures for reporting circumstances which will affect the work programme.
7	Comply with the given occupational resource information to move, handle and/or store resources to the required guidance.	7.1	Demonstrate the following work skills when moving, handling and/or storing occupational resources: • Moving. • Positioning. • Storing. • Securing. • Using lifting aids and kinetic lifting techniques.

7	*Cont.*	7.2	Move, handle and/or store occupational resources to meet product information and organisational requirements relating to **three** of the following: • Sheet material. • Loose material. • Bagged or wrapped material. • Fragile material. • Tools and equipment. • Components. • Liquids.
		7.3	Describe how to apply safe work practices, follow procedures, report problems and establish the authority needed to rectify them when moving, handling and/or storing occupational resources.
		7.4	Describe the needs of other occupations when moving, handling and/or storing resources.

Title:	Moving, Handling and Storing Resources in the Workplace
Additional information about this unit	
Assessment Guidance	This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment. Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy. **Workplace evidence of skills cannot be simulated.**
Sector Subject Area	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	17
Assessment hours	10

Title:	Erecting and Dismantling Independent and Birdcage Scaffolds in the Workplace
Unit Number:	F/651/1772

Learning Outcomes *The learner will be able to:*		**Assessment Criteria** *The learner can:*	
1	Interpret the given information relating to the work and resources when erecting and dismantling independent and birdcage scaffolds.	1.1	Interpret and extract relevant information from: • Plans. • Drawings and sketches. • Specifications. • Method statements. • Risk assessments. • Schedules. • Manufacturers' information.
		1.2	Comply with information and/or instructions derived from risk assessments and method statements.
		1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
		1.4	Describe different types of information, their source and how they are interpreted in relation to: • Plans. • Drawings and sketches. • Specifications. • Method statements. • Risk assessments. • Schedules. • Manufacturers' information. • Regulations and official guidance.
2	Know how to comply with relevant legislation and official guidance when erecting and dismantling independent and birdcage scaffolds.	2.1	Describe their responsibilities regarding potential accidents, health hazards and the environment, whilst working: • In the workplace. • Below ground level. • In confined spaces. • At height. • With tools and equipment. • With materials and substances. • With the movement and storage of materials by manual handling and mechanical lifting.

2	*Cont.*	2.2	Describe the organisational security procedures for tools, equipment, and personal belongings in relation to: • Site. • Workplace. • Company. • Operative. • Vehicles.
		2.3	Explain what the accident reporting procedures are and who is responsible for making reports.
3	Maintain safe and healthy working practices when erecting and dismantling independent and birdcage scaffolds.	3.1	Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements.
		3.2	Demonstrate compliance with given information and relevant legislation in relation to the following: • Safe use of access equipment. • Safe use, storage and handling of materials, tools and equipment. • Specific risks to health.
		3.3	Explain why and when health and safety control equipment, identified by the principles of prevention should be used, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: • Collective protective measures. • Personal protective equipment (PPE). • Respiratory protective equipment (RPE). • Local exhaust ventilation (LEV).
		3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.
		3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with: • Fires, spillages, injuries. • Other task-related activities.

4	Select the required quantity and quality of resources for the methods of work to erect and dismantle independent and birdcage scaffolds.	4.1	Select resources associated with own work in relation to: • Materials, components, fixings/anchors and ties. • Tools and equipment. • Access equipment.
		4.2	Describe the characteristics, quality, uses, sustainability, limitations, and defects associated with the resources in relation to: • Tube and fitting. • Systems scaffold. • Associated materials (props, ropes, anchors, ties, boards, plates, beams, ladders, wheels, and proprietary components). • Hand tools, portable power tools and equipment.
		4.3	Describe how to confirm that the resources and materials conform to the specification.
		4.4	Describe how the resources should be used correctly, how problems associated with the resources are reported.
		4.5	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
		4.6	Describe any potential hazards associated with the resources and method of work and how to overcome them.
		4.7	Describe how to calculate quantity, length, area and wastage associated with the method and procedure to erect and dismantle independent and birdcage scaffolds.
5	Minimise the risk of damage to the work and surrounding area when erecting and dismantling independent and birdcage scaffolds.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
		5.2	Maintain a clear and tidy workspace.
		5.3	Dispose of waste in accordance with current legislation.

5	*Cont.*	5.4	Describe how to protect work from damage and the purpose of protection in relation to: • General workplace activities. • Other occupations. • Adverse weather conditions.
		5.5	Explain why the disposal of waste should be carried out safely in accordance with: • Environmental responsibilities. • Organisational procedures. • Manufacturers' information. • Statutory regulations. • Official guidance.
6	Complete the work within the allocated time when erecting and dismantling independent and birdcage scaffolds.	6.1	Demonstrate completion of the work within the estimated allocated time.
		6.2	Describe the purpose of the work programme and explain why deadlines should be kept in relation to: • Types of progress charts. • Timetables. • Estimated times. • Organisational procedures for reporting circumstances which will affect the work programme.
7	Comply with the given contract information to erect and dismantle independent and birdcage scaffolds to the required specification.	7.1	Demonstrate the following work skills: • Measuring. • Setting out. • Assembling. • Fixing. • Positioning. • Securing. • Removing.
		7.2	Use and maintain: • Hand tools. • Portable power tools. • Access equipment.

7	*Cont.*	7.3	Erect and dismantle mobile or static scaffold towers to given working instructions using either of the following materials and component make-up: • Tube and fitting. • Systems scaffold.
		7.4	Erect and dismantle bridging beam work within either independent or birdcage scaffold.
		7.5	Describe how to apply safe and healthy work practices, follow procedures, report problems, and establish the authority needed to rectify them, to: • Confirm the area to erect the independent and birdcage scaffolds. • Confirm that the stability of the foundation and structure on which the scaffold will be erected and secured has been considered. • Identify the technical differences between independent and birdcage scaffolds. • confirm the materials and component make-up (tube and fitting, systems scaffolds) • Set out and prepare for the erection of independent and birdcage scaffolds. • Erect and secure scaffolds • Dismantle and remove independent and birdcage scaffolds. • Visually inspect fall protection equipment. • Install ties and test anchors. • Work with, around and in close proximity to plant and machinery. • Use hand tools and ancillary equipment. • Work at height. • Use access equipment.
		7.6	Describe the needs of other occupations and how to communicate effectively within a team.
		7.7	Describe how to maintain the tools and equipment used.

Unit Endorsements

This unit has the following endorsement requirements:

One of the following:

- Tube and Fitting
- System Scaffold

Title:	Erecting and Dismantling Independent and Birdcage Scaffolds in the Workplace

Additional information about this unit

Assessment Guidance	This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment. Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy. **Workplace evidence of skills cannot be simulated.**
Sector Subject Area	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	90
Assessment hours	10

Title:	Erecting and Dismantling Mobile or Static Scaffold Towers in the Workplace
Unit Number:	M/651/1768

Learning Outcomes *The learner will be able to:*		**Assessment Criteria** *The learner can:*	
1	Interpret the given information relating to the work and resources when erecting and dismantling mobile or static scaffold towers.	1.1	Interpret and extract relevant information from: • Plans. • Drawings and sketches. • Specifications. • Method statements. • Risk assessments. • Schedules. • Manufacturers' information.
		1.2	Comply with information and/or instructions derived from risk assessments and method statements.
		1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
		1.4	Describe different types of information, their source and how they are interpreted in relation to: • Plans. • Drawings and sketches. • Specifications. • Schedules. • Method statements. • Risk assessments. • Manufacturers' information. • Regulations. • Official guidance.
2	Know how to comply with relevant legislation and official guidance when erecting and dismantling mobile or static scaffold towers.	2.1	Describe their responsibilities regarding potential accidents, health hazards and the environment, whilst working: • In the workplace. • Below ground level. • In confined spaces. • At height. • With tools and equipment. • With materials and substances. • With the movement and storage of materials by manual handling and mechanical lifting.

2	*Cont.*	2.2	Describe the organisational security procedures for: • Site. • Workplace. • Company. • Operative. • Vehicles.
		2.3	Explain what the accident reporting procedures are and who is responsible for making reports.
3	Maintain safe and healthy working practices when erecting and dismantling mobile or static scaffold towers.	3.1	Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements.
		3.2	Demonstrate compliance with given information and relevant legislation in relation to the following: • Safe use of access equipment. • Safe use, storage and handling of materials, tools and equipment. • Specific risks to health.
		3.3	Explain why and when health and safety control equipment, identified by the principles of prevention should be used, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: • Collective protective measures. • Personal protective equipment (PPE). • Respiratory protective equipment (RPE). • Local exhaust ventilation (LEV).
		3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.
		3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with: • Fires, spillages, injuries. • Other task-related activities.

4	Select the required quantity and quality of resources for the methods of work to erect and dismantle mobile or static scaffold towers.	4.1	Select resources associated with own work in relation to: • Materials, components, fixings/anchors and ties. • Tools and equipment. • Access equipment.
		4.2	Describe the characteristics, quality, uses, sustainability, limitations, and defects associated with the resources in relation to: • Tube and fitting. • Systems scaffold. • Associated materials (props, ropes, anchors, ties, boards, plates, beams, ladders, wheels, and proprietary components). • Hand tools, portable power tools and equipment.
		4.3	Describe how to confirm that the resources and materials conform to the specification.
		4.4	Describe how the resources should be used correctly, how problems associated with the resources are reported.
		4.5	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
		4.6	Describe any potential hazards associated with the resources and method of work.
		4.7	Describe how to calculate quantity, length, area and wastage associated with the method and procedure to erect and dismantle mobile or static scaffold towers.

5	Minimise the risk of damage to the work and surrounding area when erecting and dismantling mobile or static scaffold towers.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
		5.2	Maintain a clear and tidy workspace.
		5.3	Dispose of waste in accordance with current legislation.
		5.4	Describe how to protect work from damage and the purpose of protection in relation to: • General workplace activities. • Other occupations. • Adverse weather conditions.
		5.5	Explain why the disposal of waste should be carried out safely in accordance with: • Environmental responsibilities. • Organisational procedures. • Manufacturers' information. • Statutory regulations. • Official guidance.
6	Complete the work within the allocated time when erecting and dismantling mobile or static scaffold towers.	6.1	Demonstrate completion of the work within the estimated allocated time.
		6.2	Describe the purpose of the work programme and explain why deadlines should be kept in relation to: • Types of progress charts. • Timetables. • Estimated times. • Organisational procedures for reporting circumstances which will affect the work programme.

7	Comply with the given contract information to erect and dismantle mobile or static scaffold towers to the required specification.	7.1	Demonstrate the following work skills: • Measuring. • Setting out. • Assembling. • Fixing. • Positioning. • Securing. • Removing.
		7.2	Use and maintain: • Hand tools. • Portable power tools. • Ancillary equipment. • Access equipment.
		7.3	Erect and dismantle mobile or static scaffold towers to given working instructions using either of the following materials and component make-up: • Tube and fitting. • Systems scaffold.
		7.4	Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: • Confirm the area to erect the scaffold tower. • Confirm that the stability of the foundation or structure on which the scaffold tower (mobile or static) will be erected and secured has been considered. • Confirm the materials and component make-up (tube and fitting, systems scaffold) • Set out and prepare for the scaffold structure. • Identify base and height ratio. • Employ outriggers. • Install ties and test anchors. • Erect scaffold towers for support and access. • Erect and secure the scaffold. • Dismantle and remove scaffold tower. • Visually inspect fall protection equipment. • Work with, around and in close proximity to plant and machinery. • Use hand tools and ancillary equipment. • Work at height. • Use access equipment (mobile and static).

7	*Cont.*	7.5	Describe the needs of other occupations and how to communicate effectively within a team.
		7.6	Describe how to maintain the tools and equipment used.

Unit Endorsements

This unit has the following endorsement requirements:

One of the following:

- Tube and Fitting
- System Scaffold

Title: Erecting and Dismantling Mobile or Static Scaffold Towers in the Workplace

Additional information about this unit

Assessment Guidance	This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment. Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy. **Workplace evidence of skills cannot be simulated.**
Sector Subject Area	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	70
Assessment hours	10

Title:	Erecting and Dismantling Cantilever Scaffolds in the Workplace
Unit Number:	H/651/1773

Learning Outcomes *The learner will be able to:*		**Assessment Criteria** *The learner can:*	
1	Interpret the given information relating to the work and resources when erecting and dismantling cantilever scaffolds.	1.1	Interpret and extract relevant information from: • Plans. • Drawings and sketches. • Specifications. • Method statements. • Risk assessments. • Schedules. • Manufacturers' information.
		1.2	Comply with information and/or instructions derived from risk assessments and method statements.
		1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
		1.4	Describe different types of information, their source and how they are interpreted in relation to: • Plans. • Drawings and sketches. • Method statements. • Risk assessments. • Specifications. • Schedules. • Manufacturers' information. • Standards. • Regulations. • Official guidance.
2	Know how to comply with relevant legislation and official guidance when erecting and dismantling cantilever scaffolds.	2.1	Describe their responsibilities regarding potential accidents, health hazards and the environment, whilst working: • In the workplace. • Below ground level. • In confined spaces. • At height. • With tools and equipment. • With materials and substances. • With the movement and storage of materials by manual handling and mechanical lifting.

2	*Cont.*	2.2	Describe the organisational security procedures for tools, equipment, and personal belongings in relation to: • Site. • Workplace. • Company. • Operative. • Vehicles.
		2.3	Explain what the accident reporting procedures are and who is responsible for making reports.
3	Maintain safe and healthy working practices when erecting and dismantling cantilever scaffolds.	3.1	Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements.
		3.2	Demonstrate compliance with given information and relevant legislation in relation to the following: • Safe use of access equipment. • Safe use, storage and handling of materials, tools and equipment. • Specific risks to health.
		3.3	Explain why and when health and safety control equipment, identified by the principles of prevention should be used, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: • Collective protective measures. • Personal protective equipment (PPE). • Respiratory protective equipment (RPE). • Local exhaust ventilation (LEV).
		3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.
		3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with: • Fires, spillages, injuries. • Other task-related activities.

4	Select the required quantity and quality of resources for the methods of work to erecting and dismantling cantilever scaffolds.	4.1	Select resources associated with own work in relation to: • Materials, components, fixings/anchors and ties. • Tools and equipment. • Access equipment.
		4.2	Describe the characteristics, quality, uses, sustainability, limitations, and defects associated with the resources in relation to: • Tube and fitting. • Systems scaffold. • Associated materials (props, ropes, anchors, ties, boards, plates, beams, ladders, wheels, and proprietary components). • Hand tools, portable power tools and equipment.
		4.3	Describe how to confirm that the resources and materials conform to the specification.
		4.4	Describe how the resources should be used correctly, how problems associated with the resources are reported.
		4.5	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
		4.6	Describe any potential hazards associated with the resources and method of work.
		4.7	Describe how to calculate quantity, length, area and wastage associated with the method and procedure to erect and dismantle independent and birdcage scaffolds.
5	Minimise the risk of damage to the work and surrounding area when erecting and dismantling cantilever scaffolds.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
		5.2	Maintain a clear and tidy workspace.
		5.3	Dispose of waste in accordance with current legislation.

5	*Cont.*	5.4	Describe how to protect work from damage and the purpose of protection in relation to: • General workplace activities. • Other occupations. • Adverse weather conditions
		5.5	Explain why the disposal of waste should be carried out safely in accordance with: • Environmental responsibilities. • Organisational procedures. • Manufacturers' information. • Statutory regulations. • Official guidance.
6	Complete the work within the allocated time when erecting and dismantling cantilever scaffolds.	6.1	Demonstrate completion of the work within the estimated allocated time.
		6.2	Describe the purpose of the work programme and explain why deadlines should be kept in relation to: • Types of progress charts. • Timetables. • Estimated times. • Organisational procedures for reporting circumstances which will affect the work programme.
7	Comply with the given contract information to erecting and dismantling cantilever scaffolds to the required specification.	7.1	Demonstrate the following work skills: • Measuring. • Setting out. • Assembling. • Fixing. • Positioning. • Securing. • Removing.
		7.2	Use and maintain: • Hand tools. • Portable power tools. • Ancillary equipment. • Access equipment.

7	*Cont.*	7.3	Erect and dismantle one of the following cantilever scaffolds, to given working instructions, using either tube and fitting or system scaffold: • Cantilever truss out. • Cantilever fan.
		7.4	Describe how to apply safe and healthy work practices, follow procedures, report problems, and establish the authority needed to rectify them, to: • Confirm the area to erect the cantilever scaffold. • Confirm that the stability of the foundation and structure on which the scaffold will be erected and secured has been considered. • Confirm the materials and component make-up (tube and fitting, systems scaffold). • Identify the differences between cantilever truss, and cantilever fan. • Set out and prepare for the scaffold structure. • Erect and secure the scaffold (needles, spurs and check fittings). • Dismantle and remove cantilever scaffold structures. • Visually inspect fall protection equipment. • Install ties and test anchors. • Work with, around and in close proximity to plant and machinery. • Use hand tools and ancillary equipment. • Work at height. • Use access equipment.
		7.5	Describe the needs of other occupations and how to communicate effectively within a team.
		7.6	Describe how to maintain the tools and equipment used.

Unit Endorsements

This unit has the following endorsement requirements:

*Tube and fitting OR systems scaffold to **one** of the following:*

- *Cantilever Truss Out*
- *Cantilever Fan*

Title:	Erecting and Dismantling Cantilever Scaffolds in the Workplace
Additional information about this unit	
Assessment Guidance	This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment. Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy. **Workplace evidence of skills cannot be simulated.**
Sector Subject Area	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	90
Assessment hours	10

Title:	Erecting and Dismantling Pedestrian Access Lift or Roof Saddle in the Workplace
Unit Number:	J/651/1774

Learning Outcomes *The learner will be able to:*		**Assessment Criteria** *The learner can:*	
1	Interpret the given information relating to the work and resources when erecting and dismantling pedestrian access lift or roof saddle.	1.1	Interpret and extract relevant information from: • Plans. • Drawings and sketches. • Specifications. • Method statements. • Risk assessments. • Schedules. • Manufacturers' information.
		1.2	Comply with information and/or instructions derived from risk assessments and method statements.
		1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
		1.4	Describe different types of information, their source and how they are interpreted in relation to: • Plans. • Drawings. • Specifications. • Schedules. • Method statements. • Risk assessments. • Manufacturers' information. • Regulations. • Official guidance.
2	Know how to comply with relevant legislation and official guidance when erecting and dismantling pedestrian access lift or roof saddle.	2.1	Describe their responsibilities regarding potential accidents, health hazards and the environment, whilst working: • In the workplace. • Below ground level. • In confined spaces. • At height. • With tools and equipment. • With materials and substances. • With the movement and storage of materials by manual handling and mechanical lifting.

2	*Cont.*	2.2	Describe the organisational security procedures for tools, equipment, and personal belongings in relation to: • Site. • Workplace. • Company. • Operative. • Vehicles.
		2.3	Explain what the accident reporting procedures are and who is responsible for making reports.
3	Maintain safe and healthy working practices when erecting and dismantling pedestrian access lift or roof saddle.	3.1	Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements.
		3.2	Demonstrate compliance with given information and relevant legislation in relation to the following: • Safe use of access equipment. • Safe use, storage and handling of materials, tools and equipment. • Dealing with the public. • Specific risks to health.
		3.3	Explain why and when health and safety control equipment, identified by the principles of prevention should be used, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: • Collective protective measures. • Personal protective equipment (PPE). • Respiratory protective equipment (RPE). • Local exhaust ventilation (LEV).
		3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.
		3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with: • Fires, spillages, injuries. • Other task-related activities.

4	Select the required quantity and quality of resources for the methods of work to erect and dismantle pedestrian access lift or roof saddle.	4.1	Select resources associated with own work in relation to: • Materials, components, fixings/anchors and ties. • Tools and equipment. • Access equipment.
		4.2	Describe the characteristics, quality, uses, sustainability, limitations, and defects associated with the resources in relation to: • Tube and fitting. • Systems scaffold. • Associated materials (props, ropes, anchors, ties, boards, plates, beams, ladders, wheels, and proprietary components). • Hand tools. • Portable power tools. • Equipment.
		4.3	Describe how to confirm that the resources and materials conform to the specification.
		4.4	Describe how the resources should be used correctly, how problems associated with the resources are reported.
		4.5	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
		4.6	Describe any potential hazards associated with the resources and method of work.
		4.7	Describe how to calculate quantity, length and area associated with the method and procedure to erect and dismantle pedestrian access lift or roof saddle.
5	Minimise the risk of damage to the work and surrounding area when erecting and dismantling pedestrian access lift or roof saddle.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
		5.2	Maintain a clear and tidy workspace.
		5.3	Dispose of waste in accordance with current legislation.

5	*Cont.*	5.4	Describe how to protect work from damage and the purpose of protection in relation to: • General workplace activities. • Other occupations. • Adverse weather conditions
		5.5	Explain why the disposal of waste should be carried out safely in accordance with: • Environmental responsibilities. • Organisational procedures. • Manufacturers' information. • Statutory regulations. • Official guidance.
6	Complete the work within the allocated time when erecting and dismantling pedestrian access lift or roof saddle.	6.1	Demonstrate completion of the work within the estimated allocated time.
		6.2	Describe the purpose of the work programme and explain why deadlines should be kept in relation to: • Types of progress charts. • Timetables. • Estimated times. • Organisational procedures for reporting circumstances which will affect the work programme.
7	Comply with the given contract information to erect and dismantle pedestrian access lift or roof saddle to the required specification.	7.1	Demonstrate the following work skills: • Measuring. • Setting out. • Assembling. • Fixing. • Positioning. • Securing. • Removing.
		7.2	Use and maintain: • Hand tools. • Portable power tools. • Ancillary equipment. • Access equipment.

7.3 Erect and dismantle pedestrian access lift or roof saddle to given working instructions using one of the following materials and component make-up:

- Tube and fitting.
- Systems scaffold.

7.4 Describe how to apply safe and healthy work practices, follow procedures, report problems, and establish the authority needed to rectify them, to:

- Confirm the area to erect the pedestrian access lift or roof saddle.
- Confirm that the stability of the foundation or structure on which the scaffold will be erected and secured has been considered.
- Confirm the materials and component make-up (tube and fitting, systems scaffold).
- Set out and prepare for the scaffold structure.
- Erect, secure, dismantle and remove scaffold structure.
- Erect, secure, dismantle and remove pedestrian access lift or roof saddle.
- Erect and secure the scaffold.
- Deal with the public and third parties.
- Visually inspect fall protection equipment.
- Install ties and test anchors.
- Work with, around and in close proximity to plant and machinery.
- Use hand tools and ancillary equipment.
- Work at height.
- Use access equipment.

7.5 Describe the needs of other occupations and how to communicate within a team.

7.6 Describe how to maintain the tools and equipment used.

Unit Endorsements

This unit has the following endorsement requirements:

Tube and fitting OR systems scaffold to **one** of the following:

- Pedestrian Access Lift
- Roof Saddle

Title:	Erecting and Dismantling Pedestrian Access Lift or Roof Saddle in the Workplace

Additional information about this unit

Assessment Guidance	This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment. Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy. **Workplace evidence of skills cannot be simulated.**
Sector Subject Area	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	70
Assessment hours	10

Title:	Equipping Scaffolds with Safeguards and Environmental Protection in the Workplace
Unit Number:	K/651/1775

Learning Outcomes *The learner will be able to:*		**Assessment Criteria** *The learner can:*	
1	Interpret the given information relating to the work and resources when equipping scaffolds with safeguards and environmental protection.	1.1	Interpret and extract relevant information from: • Plans. • Drawings and sketches. • Specifications. • Method statements. • Risk assessments. • Schedules. • Manufacturers' information.
		1.2	Comply with information and/or instructions derived from risk assessments and method statements.
		1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
		1.4	Describe different types of information, their source and how they are interpreted in relation to: • Plans. • Drawings and sketches. • Specifications. • Method statements. • Risk assessments. • Schedules. • Manufacturers' information. • Standards. • Regulations. • Official guidance.
2	Know how to comply with relevant legislation and official guidance when equipping scaffolds with safeguards and environmental protection.	2.1	Describe their responsibilities regarding potential accidents, health hazards and the environment, whilst working: • In the workplace. • Below ground level. • In confined spaces. • At height. • With tools and equipment. • With materials and substances. • With the movement and storage of materials by manual handling and mechanical lifting.

2	*Cont.*	2.2	Describe the organisational security procedures for: • Site. • Tools. • Equipment. • Personal belongings. • Workplace. • Company. • Operative. • Vehicles.
		2.3	Explain what the accident reporting procedures are and who is responsible for making reports.
3	Maintain safe and healthy working practices when equipping scaffolds with safeguards and environmental protection.	3.1	Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements.
		3.2	Demonstrate compliance with given information and relevant legislation in relation to the following: • Safe use of access equipment. • Safe use, storage and handling of materials, tools and equipment. • Specific risks to health.
		3.3	Explain why and when health and safety control equipment, identified by the principles of prevention should be used, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: • Collective protective measures. • Personal protective equipment (PPE). • Respiratory protective equipment (RPE). • Local exhaust ventilation (LEV).
		3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.
		3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with: • Fires, spillages, injuries. • Other task-related activities.

4	Select the required quantity and quality of resources for the methods of work to equip scaffolds with safeguards and environmental protection.	4.1	Select resources associated with own work in relation to: • Materials, components, fixings/anchors and ties. • Tools and equipment.
		4.2	Describe the characteristics, quality, uses, sustainability, limitations, and defects associated with the resources in relation to: • Sheeting and netting. • Boards and timber-based sheets. • Tubes, fittings, clamps, couplers, anchors, and ties. • Rope, cord, and tape. • Protection equipment. • Hand tools, portable power tools and equipment.
		4.3	Describe how to confirm that the resources and materials conform to the specification.
		4.4	Describe how the resources should be used correctly, how problems associated with the resources are reported.
		4.5	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
		4.6	Describe any potential hazards associated with the resources and method of work and how to overcome them.
		4.7	Describe how to calculate quantity, length, area and wastage associated with the method and procedure to erect and dismantle independent and birdcage scaffolds.
5	Minimise the risk of damage to the work and surrounding area when equipping scaffolds with safeguards and environmental protection.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
		5.2	Maintain a clear and tidy workspace.
		5.3	Dispose of waste in accordance with current legislation.

5	*Cont.*	5.4	Describe how to protect work from damage and the purpose of protection in relation to: • General workplace activities. • Other occupations. • Adverse weather conditions
		5.5	Explain why the disposal of waste should be carried out safely in accordance with: • Environmental responsibilities. • Organisational procedures. • Manufacturers' information. • Statutory regulations. • Official guidance.
6	Complete the work within the allocated time when equipping scaffolds with safeguards and environmental protection.	6.1	Demonstrate completion of the work within the estimated allocated time.
		6.2	Describe the purpose of the work programme and explain why deadlines should be kept in relation to: • Types of progress charts. • Timetables. • Estimated times. • Organisational procedures for reporting circumstances which will affect the work programme.
7	Comply with the given contract information to equip scaffolds with safeguards and environmental protection to the required specification.	7.1	Demonstrate the following work skills: • Measuring. • Positioning. • Fitting. • Securing. • Dismantling and removing.
		7.2	Use and maintain: • Hand tools. • Protection equipment. • Access equipment.

7	*Cont.*	7.3	Install and remove equipment to given working instructions relating to: • Public protection. • Worker protection. • Environmental protection.
		7.4	Describe how to apply safe and healthy work practices, follow procedures, report problems, and establish the authority needed to rectify them, to: • Identify the requirements and confirm materials and method for fitting guards and barriers for the protection of the public, workers, and environment. • Measure and prepare for fitting guards, barriers and screens. • Position, fit and secure guards, barriers, and screens. • Dismantle and remove guards, barriers, and screens. • Install and test anchors and ties. • Visually inspect fall protection equipment . • Work with, around and in close proximity to plant and machinery. • Use hand tools and ancillary equipment . • Work at height. • Use access equipment.
		7.5	Describe the needs of other occupations and how to communicate within a team.
		7.6	Describe how to maintain the tools and equipment used.

Title:	Equipping Scaffolds with Safeguards and Environmental Protection in the Workplace
Additional information about this unit	
Assessment Guidance	This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment. Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy. **Workplace evidence of skills cannot be simulated.**
Sector Subject Area	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	85
Assessment hours	10

Title:	Installing, Maintaining and Removing Work Area Protection and Safety Equipment in the Workplace
Unit Number:	T/650/9529

Learning Outcomes *The learner will be able to:*		**Assessment Criteria** *The learner can:*	
1	Interpret the given information relating to the work and resources when installing, maintaining, and removing work area protection and safety equipment.	1.1	Interpret and extract relevant information from: • Drawings. • Plans. • Specifications. • Schedules. • Risk assessments. • Method statements. • Manufacturers' information. • Suppliers' information.
		1.2	Comply with information and/or instructions derived from risk assessments and method statements.
		1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
		1.4	Describe different types of information, their source and how they are interpreted in relation to: • Drawings. • Plans. • Specifications. • Schedules. • Risk assessments. • Method statements. • Site inspection reports. • Manufacturers' information. • Verbal and written instructions. • Sketches. • Electronic data. • Current regulations and official guidance.

2	Know how to comply with relevant legislation and official guidance when installing, maintaining, and removing work area protection and safety equipment.	2.1	Describe their responsibilities regarding potential accidents, health hazards and the environment, whilst working: • In the workplace. • Below ground level. • In confined spaces. • At height. • With tools and equipment. • With materials and substances. • With the movement and storage of materials by manual handling and mechanical lifting.
		2.2	Describe the organisational security procedures for tools, equipment, and personal belongings in relation to: • Site. • Workplace. • Company. • Operative. • Vehicles.
		2.3	Explain what the accident reporting procedures are and who is responsible for making reports.
		2.4	Describe the types of fire extinguishers available and describe how and when they are used for: • Water. • CO_2. • Foam. • Powder.
3	Maintain safe and healthy working practices when installing, maintaining, and removing work area protection and safety equipment.	3.1	Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements.
		3.2	Demonstrate compliance with given information and relevant legislation in relation to the following: • Safe use of access equipment. • Safe use, storage and handling of materials, tools and equipment. • Specific risks to health.

3	*Cont.*	3.3	Explain why and when health and safety control equipment, identified by the principles of prevention should be used, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: • Collective protective measures. • Personal protective equipment (PPE). • Respiratory protective equipment (RPE). • Local exhaust ventilation (LEV).
		3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.
		3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with: • Fires, spillages, injuries. • Other task-related activities.
4	Select the required quantity and quality of resources for the methods of work to install, maintain and remove work area protection and safety equipment.	4.1	Select resources associated with own work in relation to: • Materials, components, and fixings. • Tools and equipment.
		4.2	Describe the characteristics, quality, uses, sustainability, limitations, and defects associated with the resources in relation to: • Safety and security equipment (cones, tapes, fences, barriers, hoarding, doors, gates). • Protection and safety notices. • Signs and safety lighting. • Hand and power tools.
		4.3	Describe how to confirm that the resources and materials conform to the specification.
		4.4	Describe how the resources should be used correctly and how problems associated with the resources are reported.
		4.5	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.

4	*Cont.*	4.6	Describe any potential hazards associated with the resources and methods of work.
		4.7	Describe how to calculate quantity, length and area associated with the method and procedure to install, maintain, and remove work area protection and safety equipment.
5	Minimise the risk of damage to the work and surrounding area when installing, maintaining, and removing work area protection and safety equipment.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
		5.2	Maintain a clear and tidy work space.
		5.3	Dispose of waste in accordance with current legislation.
		5.4	Describe how to protect work from damage and the purpose of protection in relation to: • General workplace activities. • Other occupations. • Adverse weather conditions.
		5.5	Explain why the disposal of waste should be carried out safely in accordance with: • Environmental responsibilities. • Organisational procedures. • Manufacturers' information. • Statutory regulations. • Official guidance.
6	Complete the work within the allocated time when installing, maintaining, and removing work area protection and safety equipment.	6.1	Demonstrate completion of the work within the estimated allocated time.
		6.2	Describe the purpose of the work programme and explain why deadlines should be kept in relation to: • Types of productivity targets and time scales. • How times are estimated. • Organisational procedures for reporting circumstances which will affect the work programme.

7	Comply with the given contract information to install, maintain, and remove work area protection and safety equipment to the required specification.	7.1	Demonstrate the following work skills: • Measuring. • Setting out. • Positioning. • Assembling. • Constructing. • Securing. • Dismantling. • Removing.
		7.2	Use and maintain hand and power tools.
		7.3	Install, maintain, and remove temporary protection and safety arrangements for the work area, to given working instructions, relating to protection equipment, barriers, fences and at least **one** of the following: • Protection and safety notices. • Safety lighting.

7	*Cont.*	7.4	Describe how to apply safe and healthy work practices, follow procedures, report problems, and establish the authority needed to rectify them, to: • Plan for the protection and the safety of the work and surrounding environment. • Conform to agreed specification. • Confirm the location of utility services and ensure they are protected. • Prepare and set out area protection equipment to required dimensions. • Install, check, and maintain the protection and safety equipment, barriers, and fences. • Dismantle and remove protection and safety equipment. • Install protection and safety notices. • Install safety lighting systems. • Monitor and check accuracy during progress and on completion of work. • Install, maintain, and remove work area protection equipment in public areas. • Transport, load, and off load work area protection equipment. • Recognise and determine when specialist skills and knowledge are required and report accordingly. • Report work undertaken. • Use hand and power tools. • Work at height. • Use access equipment.
		7.5	Describe the needs of other occupations and how to communicate effectively within a team.
		7.6	Describe how to maintain the tools and equipment used.

Unit Endorsements

This unit has the following endorsement requirements:

One of the following:

- Protection and Safety Notices
- Safety Lighting

Behaviours

When performing at this standard you are likely to demonstrate the following behaviours:

1. **Work safely:**
   Consider the safety of yourself and those around you, challenge unsafe behaviour.
2. **Effective communication:**
   Oral, written, electronic, listening, body language, presentation.
3. **Respect:**
   Apply equality, diversity and inclusion in dealing with others.
4. **Team work:**
   Work effectively and safely with others with limited supervision.
5. **Independent working:**
   Take responsibility for safe completion of your own work.
6. **Logical thinking:**
   Use clear and valid reasoning when making decisions to safely undertake work instructions.
7. **Working effectively:**
   Undertake the work in a reliable, safe and productive manner.
8. **Time management:**
   Use own time effectively to complete the work instructions to schedule, take the time to be safe.
9. **Adaptability:**
   Be able to adjust to changes to the work instructions, put safety first.

Title:	Installing, Maintaining and Removing Work Area Protection and Safety Equipment in the Workplace
Additional information about this unit	
Assessment Guidance	This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment. Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy. **Workplace evidence of skills cannot be simulated.**
Sector Subject Area	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	55
Assessment hours	10

Title:	Inspecting Scaffolding and Rigging Systems in the Workplace
Unit Number:	L/651/1776

Learning Outcomes *The learner will be able to:*		**Assessment Criteria** *The learner can:*	
1	Interpret the given information relating to the work and resources when inspecting scaffolding and rigging systems.	1.1	Interpret and extract relevant information from: • Plans. • Drawings and sketches. • Specifications. • Method statements. • Risk assessments. • Schedules. • Manufacturers' information.
		1.2	Comply with information and/or instructions derived from risk assessments and method statements.
		1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
		1.4	Describe different types of information, their source and how they are interpreted in relation to: • Plans. • Drawings and sketches. • Specifications. • Method statements. • Risk assessments. • Schedules. • Manufacturers' information. • Standards. • Regulations. • Official guidance.
2	Know how to comply with relevant legislation and official guidance when inspecting scaffolding and rigging systems.	2.1	Describe their responsibilities regarding potential accidents and health hazards and the environment, whilst working: • In the workplace. • Below ground level. • In confined spaces. • At height. • With tools and equipment. • With materials and substances. • With the movement and storage of materials and by manual handling and mechanical lifting.

2	*Cont.*	2.2	Describe the organisational security procedures for: • Site. • Tools. • Equipment. • Personal belongings. • Workplace. • Company. • Operative. • Vehicles.
		2.3	Explain what the accident reporting procedures are and who is responsible for making reports.
3	Maintain safe and healthy working practices when inspecting scaffolding and rigging systems.	3.1	Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements.
		3.2	Demonstrate compliance with given information and relevant legislation in relation to the following: • Safe use of access equipment. • Safe use, storage and handling of materials, tools and equipment. • Specific risks to health.
		3.3	Explain why and when health and safety control equipment, identified by the principles of prevention should be used, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: • Collective protective measures. • Personal protective equipment (PPE). • Respiratory protective equipment (RPE). • Local exhaust ventilation (LEV).
		3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.
		3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with: • Fires, spillages, injuries. • Other task-related activities.

4	Select the required quantity and quality of resources for the methods of work to inspect scaffolding and rigging systems.	4.1	Select resources associated with own work.
		4.2	Describe the characteristics, quality, uses, sustainability, limitations, and defects associated with the resources in relation to inspection and recording equipment.
		4.3	Describe how the resources should be used correctly and how problems associated with the resources are reported.
		4.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
		4.5	Describe any potential hazards associated with the resources and methods of work and how they are overcome.
5	Minimise the risk of damage to the work and surrounding area when inspecting scaffolding and rigging systems.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
		5.2	Maintain a clear and tidy workspace.
		5.3	Dispose of waste in accordance with current legislation.
		5.4	Describe how to protect work from damage and the purpose of protection in relation to: • General workplace activities. • Other occupations. • Adverse weather conditions.
		5.5	Explain why the disposal of waste should be carried out safely in accordance with: • Environmental responsibilities. • Organisational procedures. • Manufacturers' information. • Statutory regulations. • Official guidance.

6	Complete the work within the allocated time when inspecting scaffolding and rigging systems.	6.1	Demonstrate completion of the work within the estimated allocated time.
		6.2	Describe the purpose of the work programme and explain why deadlines should be kept in relation to: • Types of progress charts. • Timetables. • Estimated times. • Organisational procedures for reporting circumstances which will affect the work programme.
7	Comply with the given contract information to inspect scaffolding and rigging systems to the required specification.	7.1	Demonstrate the following work skills: • Measuring. • Checking. • Recording.
		7.2	Use and maintain inspection and recording equipment.
		7.3	Inspect scaffolding and/or rigging systems for compliance with current legislation and issue an inspection or thorough examination certificate.

7	*Cont.*	7.4	Describe how to apply safe and healthy work practices, follow procedures, report problems, and establish the authority needed to rectify them, to: • Identify the location and the type of scaffolding and rigging arrangement for inspection. • Confirm frequency of inspection and thorough examination. • Inspect stability and security of the scaffold and rigging structures. • Confirm that the structure complies with current legislation and approved practices. • Communicate with appropriate personnel for corrections to the structure that will uphold its integrity and security. • Record and report findings. • Issue appropriate certification. • Visually inspect fall protection equipment. • Use inspection and recording equipment. • Work with, around and in close proximity to plant and machinery. • Work at height. • Use access equipment.
		7.5	Describe the needs of other occupations and how to effectively communicate within a team.
		7.6	Describe how to maintain the tools and equipment used.

Title:	Inspecting Scaffolding and Rigging Systems in the Workplace
Additional information about this unit	
Assessment Guidance	This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment. Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy. **Workplace evidence of skills cannot be simulated.**
Sector Subject Area	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	140
Assessment hours	10

Title:	Erecting and Dismantling Steeplejack Scaffolds in the Workplace
Unit Number:	M/651/1777

Learning Outcomes *The learner will be able to:*		**Assessment Criteria** *The learner can:*	
1	Interpret the given information relating to the work and resources when erecting and dismantling steeplejack scaffolds.	1.1	Interpret and extract relevant information from: • Drawings. • Specifications. • Schedules. • Method statements. • Risk assessments. • Manufacturers' information.
		1.2	Comply with information and/or instructions derived from risk assessments and method statements.
		1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
		1.4	Describe different types of information, their source and how they are interpreted in relation to: • Drawings. • Specifications. • Schedules. • Method statements. • Risk assessments. • Manufacturers' information. • Regulations and official guidance associated with steeplejack scaffold work.
2	Know how to comply with relevant legislation and official guidance when erecting and dismantling steeplejack scaffolds.	2.1	Describe their responsibilities regarding potential accidents, health hazards and the environment, whilst working: • In the workplace. • Below ground level. • In confined spaces. • At height. • With tools and equipment. • With materials and substances. • With the movement and storage of materials by manual handling and mechanical lifting.
		2.2	Describe the organisational security procedures for tools, equipment, and personal belongings in relation to:

- Site.
- Workplace.
- Company.
- Operative.
- Vehicles.

2.3 Explain what the accident reporting procedures are and who is responsible for making reports.

2.4 Describe the types of fire extinguishers available and describe how and when they are used for:

- Water.
- CO_2.
- Foam.
- Powder.

3 Maintain safe and healthy working practices when erecting and dismantling steeplejack scaffolds.

3.1 Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements when erecting and dismantling steeplejack scaffolds.

3.2 Demonstrate compliance with given information and relevant legislation when erecting and dismantling steeplejack scaffolds in relation to the following:

- Safe use of health and safety control equipment.
- Safe use of access equipment.
- Safe use, storage and handling of materials, tools and equipment.
- Specific risks to health.

3.3 Explain why and when health and safety control equipment, identified by the principles of prevention should be used, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to:

- Collective protective measures.
- Local exhaust ventilation (LEV).
- Respiratory protective equipment (RPE).
- Personal protective equipment (PPE).

3	*Cont.*	3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.
		3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with: • Fires, spillages, injuries. • Other task-related activities.
4	Select the required quantity and quality of resources for the methods of work to erect and dismantle steeplejack scaffolds.	4.1	Select resources associated with own work in relation to materials, components, fixings, anchors and ties, tools and equipment and access equipment.
		4.2	Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: • Tube and fitting. • Systems scaffold. • Associated materials (props, ropes, anchors, ties, boards, plates, beams, ladders, proprietary components etc.). • Hand tools, portable power tools and equipment.
		4.3	Describe how to confirm that the resources and materials conform to the specification.
		4.4	Describe how the resources should be used correctly and how problems associated with the resources are reported.
		4.5	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
		4.6	Describe any potential hazards associated with the resources and methods of work.
		4.7	Describe how to calculate quantity, length and area associated with the method and procedure to erect and dismantle steeplejack scaffolds.

5	Minimise the risk of damage to the work and surrounding area when erecting and dismantling steeplejack scaffolds.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
		5.2	Maintain a clear and tidy workspace.
		5.3	Dispose of waste in accordance with current legislation.
		5.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations, and adverse weather conditions.
		5.5	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations, and official guidance.
6	Complete the work within the allocated time when erecting and dismantling steeplejack scaffolds.	6.1	Demonstrate completion of the work within the estimated allocated time.
		6.2	Describe the purpose of the work programme and explain why deadlines should be kept in relation to: • Types of progress charts. • Timetables. • Estimated times. • Organisational procedures for reporting circumstances which will affect the work programme.
7	Comply with the given contract information to erect and dismantle steeplejack scaffolds to the required specification.	7.1	Demonstrate the following work skills when erecting and dismantling steeplejack scaffolds: • Measuring. • Setting out. • Assembling. • Fixing. • Positioning. • Securing. • Removing.
		7.2	Use and maintain hand tools, ancillary equipment, and access equipment.

7	*Cont.*	7.3	Erect and dismantle steeplejack scaffolds to given working instructions for one of the following: • Tube and fitting. • Systems scaffold.
		7.4	Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: • Identify and confirm the area to erect the steeplejack scaffold. • Confirm that stability of the foundation/structure on which the scaffold will be erected and secured has been considered. • Confirm materials and component make-up (tube and fitting, systems scaffold). • Set out and prepare for scaffold structures. • Dismantle and remove steeplejack scaffold structures. • Visually check fall protection equipment. • Install and test anchors and ties. • Use hand tools and ancillary equipment. • Work at height. • Use access equipment. • Work with, around and in close proximity to plant and machinery.
		7.5	Describe the needs of other occupations and how to effectively communicate within a team when erecting and dismantling steeplejack scaffolds.
		7.6	Describe how to maintain the hand tools, portable power tools, ancillary equipment and access equipment used when erecting and dismantling steeplejack scaffolds.

Unit Endorsements

This unit has the following endorsement requirements:

One of the following:

- Tube and Fitting
- System Scaffold

Title:	Erecting and Dismantling Steeplejack Scaffolds in the Workplace
Additional information about this unit	
Assessment Guidance	This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment. Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy. **Workplace evidence of skills cannot be simulated.**
Sector Subject Area	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	90
Assessment hours	10

Title:	Erecting and Removing Specialist Access Equipment in the Workplace
Unit Number:	R/651/1778

Learning Outcomes *The learner will be able to:*		**Assessment Criteria** *The learner can:*	
1	Interpret the given information relating to the work and resources when erecting and removing specialist access equipment.	1.1	Interpret and extract relevant information from: • Drawings. • Specifications. • Schedules. • Method statements. • Risk assessments. • Manufacturers' information.
		1.2	Comply with information and/or instructions derived from risk assessments and method statements.
		1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
		1.4	Describe different types of information, their source and how they are interpreted in relation to: • Drawings. • Specifications. • Schedules. • Method statements. • Risk assessments. • Manufacturers' information. • Regulations and official guidance associated with accessing work.
2	Know how to comply with relevant legislation and official guidance when erecting and removing specialist access equipment.	2.1	Describe their responsibilities regarding potential accidents, health hazards and the environment, whilst working: • In the workplace. • Below ground level. • In confined spaces. • At height. • With tools and equipment. • With materials and substances. • With the movement and storage of materials by manual handling and mechanical lifting.

2	*Cont.*	2.2	Describe the organisational security procedures for tools, equipment, and personal belongings in relation to: • Site. • Workplace. • Company. • Operative.
		2.3	Explain what the accident reporting procedures are and who is responsible for making reports.
		2.4	Describe the types of fire extinguishers available and describe how and when they are used for: • Water. • CO_2. • Foam. • Powder.
3	Maintain safe and healthy working practices when erecting and removing specialist access equipment.	3.1	Use health and safety control equipment and comply with the method of work to carry out the activity in accordance with current legislation and organisational requirements when erecting and removing specialist access equipment.
		3.2	Demonstrate compliance with given information and relevant legislation when erecting and removing specialist access equipment in relation to the following: • Safe use of access equipment. • Safe use, storage and handling of materials, tools and equipment. • Specific risks to health.
		3.3	Explain why and when health and safety control equipment, identified by the principles of prevention should be used, relating to erecting and removing specialist access equipment, and the types, purpose and limitations of each type the work situation and general work environment in relation to: • Collective protective measures. • Personal protective equipment (PPE). • Respiratory protective equipment (RPE). • Local exhaust ventilation (LEV).

3	*Cont.*	3.4	Describe how the relevant health and safety control equipment should be used in accordance with given instructions.
		3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries, and other task-related activities.
4	Select the required quantity and quality of resources for the methods of work to erect and remove specialist access equipment.	4.1	Select resources associated with own work in relation to: • Materials. • Components. • Fixings. • Anchors and ties. • Tools and equipment.
		4.2	Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: • Fixed ladders. • Steeplejack vertical ladders. • Roof ladders. • Associated securing materials (rope, lashings, clamps, anchors and ties). • Hand tools and ancillary equipment.
		4.3	Describe how the resources should be used correctly and how problems associated with the resources are reported.
		4.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
		4.5	Describe any potential hazards associated with the resources and methods of work.
		4.6	Describe how to calculate quantity and length associated with the method and procedure to erect and remove specialist access equipment.
5	Minimise the risk of damage to the work and surrounding area when erecting and removing specialist access equipment.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
		5.2	Maintain a clear and tidy workspace.

5	*Cont.*	5.3	Dispose of waste in accordance with current legislation.
		5.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations, and adverse weather conditions.
		5.5	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations, and official guidance.
6	Complete the work within the allocated time when erecting and removing specialist access equipment.	6.1	Demonstrate completion of the work within the estimated allocated time.
		6.2	Describe the purpose of the work programme and explain why deadlines should be kept in relation to: • Types of progress charts. • Timetables. • Estimated times. • Organisational procedures for reporting circumstances which will affect the work programme.
7	Comply with the given contract information to erect and remove specialist access equipment to the required specification.	7.1	Demonstrate the following work skills when erecting and removing specialist access equipment: • Measuring. • Setting out. • Positioning. • Assembling. • Fixing. • Checking. • Securing. • Dismantling. • Removing.
		7.2	Use and maintain hand tools and ancillary equipment.

7 *Cont.*

7.3 Erect and remove specialist access equipment to given working instructions for one of the following occupational areas:

Steeplejacking:

- Steeplejack vertical ladders.
- Roof ladders.

Lightning Protection Engineer:

- Roof ladders.
- Fixed ladder.
- Tower scaffolds.

Rigging:

- Suspended Access Equipment.
- Suspended platforms.

7.4 Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to:

- Identify the occupational environment.
- Confirm the type of access equipment (steeplejack vertical ladders, roof ladders, fixed ladders, tower scaffolds and suspended platforms).
- Check and prepare to erect specialist access equipment.
- Position, erect and secure the equipment.
- Dismantle and remove the equipment.
- Install and test anchors and ties.
- Identify the inspection criteria for completed specialist access equipment.
- Visually inspect fall protection equipment.
- Work with, around and in close proximity to plant and machinery.
- Use hand tools and ancillary equipment.
- Work at height.
- Use access equipment.

7.5 Describe the needs of other occupations and how to effectively communicate within a team when erecting and removing specialist access equipment.

7.6 Describe how to maintain the tools and equipment used when erecting and removing specialist access equipment.

Unit Endorsements

This unit has the following endorsement requirements:

Required endorsements depend on the pathway being completed. Please ensure you choose the correct endorsements for your specific pathway.

Steeplejacking (Pathway Two):

One of the following:

- Steeplejack Vertical Ladders.
- Roof Ladders.

Lightning Protection Engineer (Pathway Three):

One of the following

- Roof Ladders.
- Fixed Ladders.
- Tower Scaffolds.

Rigging (Pathways Four and Five):

One of the following:

- Suspended Access Equipment.
- Suspended Platforms.

Title:	Erecting and Removing Specialist Access Equipment in the Workplace
Additional information about this unit	
Assessment Guidance	This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment. Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy. **Workplace evidence of skills cannot be simulated.**
Sector Subject Area	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	80
Assessment hours	10

Title:	Installing and Removing Temporary Lifting and Suspension Apparatus in the Workplace
Unit Number:	T/651/1788

Learning Outcomes *The learner will be able to:*		**Assessment Criteria** *The learner can:*	
1	Interpret the given information relating to the work and resources when installing and removing temporary lifting and suspension apparatus.	1.1	Interpret and extract relevant information from: • Drawings. • Method statements. • Risk assessments. • Specifications. • Schedules. • Manufacturers' information.
		1.2	Comply with information and/or instructions derived from risk assessments and method statements.
		1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
		1.4	Describe different types of information, their source and how they are interpreted in relation to: • Drawings. • Specifications. • Schedules. • Method statements. • Risk assessments. • Manufacturers' information. • Standards. • Regulations and official guidance associated with temporary lifting and suspension work.
2	Know how to comply with relevant legislation and official guidance when installing and removing temporary lifting and suspension apparatus.	2.1	Describe their responsibilities regarding potential accidents, health hazards and the environment, whilst working: • In the workplace. • Below ground level. • In confined spaces. • At height. • With tools and equipment. • With materials and substances. • With the movement and storage of materials by manual handling and mechanical lifting.

2	*Cont.*	2.2	Describe the organisational security procedures for tools, equipment, and personal belongings in relation to: • Site. • Workplace. • Company. • Operative. • Vehicles.
		2.3	Explain what the accident reporting procedures are and who is responsible for making reports.
		2.4	Describe the types of fire extinguishers available and describe how and when they are used for: • Water. • CO_2. • Foam. • Powder.
3	Maintain safe working practices when installing and removing temporary lifting and suspension apparatus.	3.1	Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements when installing temporary lifting and suspension apparatus.
		3.2	Demonstrate compliance with given information and relevant legislation installing temporary lifting and suspension apparatus in relation to the following: • Safe use of access equipment. • Safe use, storage and handling of materials, tools and equipment. • Specific risks to health.
		3.3	Explain why and when health and safety control equipment, identified by the principles of prevention should be used, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: • Collective protective measures. • Personal protective equipment (PPE). • Respiratory protective equipment (RPE). • Local exhaust ventilation (LEV).

3	*Cont.*	3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.
		3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries, and other task-related activities.
4	Select the required quantity and quality of resources for the methods of work to install and remove temporary lifting and suspension apparatus.	4.1	Select resources associated with own work in relation to: • Materials • Components • Fixings • Anchors • Ties, tools and equipment.
		4.2	Describe the characteristics, quality, uses, sustainability limitations and defects associated with the resources in relation to: • Wire and fibre ropes • Chains and slings • Winches and pulley blocks • Counterbalance systems • Decking, planks, rails, boards, bosun's seats • Associated securing materials (lashing, clamps, anchors, ties) • Hand tools and ancillary equipment.
		4.3	Describe how to confirm that the resources and materials conform to the specification.
		4.4	Describe how the resources should be used correctly, how problems associated with the resources are reported and how the organisational procedures are used.
		4.5	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
		4.6	Describe any potential hazards associated with the resources and method of work.
		4.7	Describe how to calculate quantity and length associated with the method and procedure to install temporary lifting and suspension apparatus.

5	Minimise the risk of damage to the work and surrounding area when installing and removing temporary lifting and suspension apparatus.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
		5.2	Maintain a clear and tidy workspace.
		5.3	Dispose of waste in accordance with legislation.
		5.4	Explain how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations, and adverse weather conditions.
		5.5	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations, and official guidance.
6	Complete the work within the allocated time when installing and removing temporary lifting and suspension apparatus.	6.1	Demonstrate completion of the work within the allocated time.
		6.2	Describe the purpose of the work programme and explain why deadlines should be kept in relation to: • Types of progress charts, timetables and estimated times. • Organisational procedures for reporting circumstances which will affect the work programme.
7	Comply with the given contract information to install and remove temporary lifting and suspension apparatus to the required specification.	7.1	Demonstrate the following work skills when installing and removing temporary lifting and suspension apparatus: • Measuring. • Setting out. • Positioning. • Checking. • Operating. • Securing. • Dismantling. • Removing.

7	*Cont.*	7.2	Use and maintain hand tools, access and ancillary equipment.
		7.3	Install and remove temporary lifting and suspension apparatus to given working instructions, for **one** of the following specific occupational areas: **<u>Steeplejacking:</u>** At least **two** of the following: • Block and tackle material lifting gear (manual and mechanical). • Suspended platforms. • Rope access anchor systems. • Bosun's seats. • Winches. • Counterbalance suspension rigs. **<u>Lightning Protection Engineer:</u>** At least **two** of the following: • Block and tackle material lifting gear (manual and mechanical). • Rope access anchor systems. • Counterbalance suspension rigs. • Suspension rigs. **<u>Suspended Access:</u>** At least **three** of the following: • Suspended platforms. • Winches. • Counterbalance suspension rigs. • Rope access anchor systems. • Suspension rigs. **<u>Offshore:</u>** At least **two** of the following: • Block and tackle material lifting gear (manual and mechanical). • Rope access anchor systems. • Winches.

7	*Cont.*	7.4	Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: • Identify and confirm the requirement to install temporary lifting and suspension apparatus. • Prepare types of lifting and suspension apparatus to conform with the method of installation (manual and mechanical). • Install and remove using: block and tackle material lifting gear (manual and mechanical), suspended platforms, rope access anchor systems, bosun's seats, winches, counterbalance suspension rigs, suspended rigs. • Position, install, secure, dismantle and remove temporary lifting and suspension apparatus. • Erect designed and un-designed scaffold (limitations and formula). • Conduct pre-use checks on manual, electrical and mechanical equipment. • Visually inspect fall protection equipment. • Install and test anchors and ties. • Identify the differences between man-riding and material lifting suspension apparatus. • Use hand tools and ancillary equipment. • Work at height. • Use access equipment.
		7.5	Describe the needs of other occupations and how to communicate within a team when installing and removing temporary lifting and suspension apparatus.
		7.6	Describe how to maintain the tools and equipment used when installing and removing temporary lifting and suspension apparatus.

Unit Endorsements

This unit has the following endorsement requirements:

Required endorsements depend on the pathway being completed. Please ensure you choose the correct endorsements for your specific pathway.

Steeplejacking (Pathway Two):

Two of the following:

- Block and tackle material lifting gear (manual and mechanical).
- Suspended platforms.
- Rope access anchor systems.
- Bosun's seats.
- Winches.
- Counterbalance suspension rigs.

Lightning Protection Engineer (Pathway Three):

Two of the following:

- Block and tackle material lifting gear (manual and mechanical).
- Rope access anchor systems.
- Counterbalance suspension rigs.
- Suspension rigs.

Suspended Access (Pathway Four):

Three of the following:

- Suspended platforms.
- Winches.
- Counterbalance suspension rigs.
- Rope access anchor systems.
- Suspension rigs.

Offshore (Pathway Eight):

Two of the following:

- Block and tackle material lifting gear (manual and mechanical).
- Rope access anchor systems.
- Winches.

Title:	Installing and Removing Temporary Lifting and Suspension Apparatus in the Workplace
Additional information about this unit	
Assessment Guidance	This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment. Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy. **Workplace evidence of skills cannot be simulated.**
Sector Subject Area	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	90
Assessment hours	10

Title:	Preparing and Operating Scissor-Type Mobile Elevating Work Platforms (MEWP) in the Workplace
Unit Number:	Y/651/1789

Learning Outcomes *The learner will be able to:*		**Assessment Criteria** *The learner can:*	
1	Interpret the given information relating to the preparation and using scissor-type MEWPs to access areas to carry out the work.	1.1	Interpret and extract relevant information from: • Drawings. • Specifications. • Schedules. • Method statements. • Risk assessments. • Manufacturers' information.
		1.2	Comply with information and/or instructions derived from risk assessments and method statements.
		1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
		1.4	Describe different types of information, their source and how they are interpreted in relation to: • Drawings and sketches. • Specifications. • Method statements. • Risk assessments. • Schedules. • Manufacturers' information. • Standards. • Current regulations governing the operation of plant and machinery used as work platforms.
2	Organise with others the sequence and operation in which accessing operations using scissor-type MEWPs are to be carried out.	2.1	Organise the work according to given information or instructions.
		2.2	Describe how to communicate ideas between team members.
		2.3	Organise and communicate with team members and other associated occupations.
		2.4	Describe how to organise resources prior to and during accessing operations.

3	Know how to comply with relevant legislation and official guidance when carrying out accessing operations using scissor-type MEWPs.	3.1	Describe their responsibilities regarding potential accidents, health hazards and the environment whilst working: • In the workplace. • Below ground level. • In confined spaces. • At height. • With tools and equipment. • With materials and substances. • With movement/storage of materials and by manual handling and mechanical lifting.
		3.2	Describe the organisational security procedures for tools, equipment, and personal belongings in relation to: • Site. • Workplace. • Company. • Operative.
		3.3	Explain what the accident reporting procedures are and who is responsible for making reports.
4	Maintain safe and healthy working practices when preparing for and carrying out accessing operations using scissor-type MEWPs.	4.1	Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with legislation and organisational requirements during accessing operations.
		4.2	Demonstrate compliance with given information and relevant legislation when carrying out accessing operations using scissor-type MEWPs in relation to two or more of the following: • Safe use and storage of plant or machinery. • Safe use and storage of tools and equipment. • Specific risks to health.

4	*Cont.*	4.3	Explain why and when health and safety control equipment, identified by the principles of prevention should be used, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: • Collective protective measures. • Personal protective equipment (PPE). • Respiratory protective equipment (RPE). • Local exhaust ventilation (LEV).
		4.4	Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.
		4.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries, and other task-related activities.
5	Request and select the required quantity and quality of resources to prepare for and carry out accessing operations using scissor-type MEWPs.	5.1	Request and select resources associated with scissor-type MEWPs in relation to consumables, materials, tools, ancillary equipment and/or accessories.
		5.2	Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources, and how they should be used correctly, relating to: • Consumables, lubricants, and fuels. • Attachments and accessing aids. • Hand tools, ancillary equipment, and accessories.
		5.3	Describe how the resources should be used correctly, how problems associated with the resources are reported.
		5.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
		5.5	Describe any potential hazards associated with the resources and methods of work.
		5.6	Describe how to identify weight, quantity, length and area associated with the method/procedures to operate scissor-type mobile elevating work platforms used for accessing operations.

6	Minimise the risk of damage to the work and surrounding area when preparing to and accessing work areas.	6.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
		6.2	Prevent damage and maintain a clean work space.
		6.3	Dispose of waste in accordance with current legislation.
		6.4	Describe how to protect work from damage and the purpose of protection in relation to: • General workplace activities. • Other occupations. • Adverse weather conditions.
		6.5	Explain why the disposal of waste should be carried out safely in accordance with: • Environmental responsibilities. • Organisational procedures. • Manufacturers' information. • Statutory regulations and official guidance.
7	Complete the work within the allocated time when preparing to and accessing work areas using scissor-type MEWPs.	7.1	Demonstrate completion of the work within the allocated time.
		7.2	Describe the purpose of the work programme and explain why deadlines should be kept in relation to: • Types of progress charts, timetables and estimated times. • Organisational procedures for reporting circumstances which will affect the work programme.
8	Comply with the given contract information to access areas to carry out work using scissor-type MEWPs to the required specification.	8.1	Demonstrate the following work skills when preparing for and accessing work areas using scissor-type MEWPs: • Checking. • Setting up. • Adjusting. • Communicating. • Manoeuvring. • Positioning. • Accessing. • Setting down.

8	*Cont.*	8.2	Use and maintain hand tools, ancillary equipment and/or accessories.
		8.3	Prepare for, position, set up and operate scissor-type MEWPs to access working areas, at various locations, to given working instructions.
		8.4	Shut down and secure scissor-type MEWPs.
		8.5	Describe how to apply safe and healthy work practices, follow procedures, report problems and establish authority needed to rectify, to: • Identify the characteristics of the scissor-type MEWP used for accessing work. • Identify valid certification for maintenance, inspection, and thorough examination. • Carry out function checks for accessing operation. • Prepare, set up and adjust for operational requirements. • Carry out pre-operational checks for obstructions, stability, and ground conditions affecting the work and surrounding area. • Identify and remain aware of the area of operation to include potential entrapment situations. • Use fall prevention equipment. • Check to avoid damage to structures and utilities service apparatus. • Position and secure MEWP for accessing operations. • Recognise and determine when specific skills and knowledge are required and report accordingly. • Operate, manoeuvre, position, set down and secure. • Operate and travel on the public highway. • Shut down and secure the MEWP. • Use hand tools, ancillary equipment, and accessories.
		8.6	Describe the needs of other occupations and how to effectively communicate within a team when preparing to and carrying out accessing operations.
		8.7	Describe how to maintain the plant and machinery, hand tools, ancillary equipment used to access working areas.

Title:	Preparing and Operating Scissor-Type Mobile Elevating Work Platforms (MEWP) in the Workplace
Additional information about this unit	
Assessment Guidance	This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment. Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy. **Workplace evidence of skills cannot be simulated.**
Sector Subject Area	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	40
Assessment hours	10

Title:	Erecting Metal Chimneys in the Workplace
Unit Number:	F/651/1790

Learning Outcomes *The learner will be able to:*		**Assessment Criteria** *The learner can:*	
1	Interpret the given information relating to the work and resources when erecting metal chimneys.	1.1	Interpret and extract relevant information from: • Drawings. • Specifications. • Method statements. • Risk assessments. • Schedules. • Manufacturers' information.
		1.2	Comply with information and/or instructions derived from risk assessments and method statements.
		1.3	State the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
		1.4	Describe different types of information, their source and how they are interpreted in relation to: • Drawings. • Specifications. • Method statements. • Risk assessments. • Schedules. • Manufacturers' information. • Standards. • Regulations and official guidance associated with erecting chimneys.
2	Know how to comply with relevant legislation and official guidance when erecting metal chimneys.	2.1	Describe their responsibilities regarding potential accidents, health hazards and the environment, whilst working: • In the workplace. • Below ground level. • In confined spaces. • At height. • With tools and equipment. • With materials and substances. • With the movement and storage of materials by manual handling and mechanical lifting.

2	*Cont.*	2.2	Describe the organisational security procedures for tools, equipment, and personal belongings in relation to: • Site. • Workplace. • Company. • Operative.
		2.3	Explain what the accident reporting procedures are and who is responsible for making reports.
3	Maintain safe working practices when erecting metal chimneys.	3.1	Use personal protective equipment (PPE) and access equipment safely to carry out the activity in accordance with legislation and organisational requirements when erecting metal chimneys.
		3.2	Explain why and when personal protective equipment (PPE) should be used, relating to erecting metal chimneys, and the types, purpose, and limitations of each type.
		3.3	State how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries, and other task-related hazards.
4	Select the required quantity and quality of resources for the methods of work to erect metal chimneys.	4.1	Describe the characteristics, quality, uses, limitations, and defects associated with the resources in relation to: • Metal chimney components. • Jointing materials. • Sealants. • Fixings. • Anchors. • Ties. • Fittings. • Hand and/or powered tools and equipment.
		4.2	Select resources associated with own work in relation to: • Materials. • Components. • Fixings/anchors and ties. • Tools and equipment.

4	*Cont.*	4.3	State how the resources should be used correctly, how problems associated with the resources are reported and how the organisational procedures are used.
		4.4	Outline potential hazards associated with the resources and method of work.
		4.5	Describe how to calculate quantity and length associated with the method/procedure to erect metal chimneys.
5	Minimise the risk of damage to the work and surrounding area when erecting metal chimneys.	5.1	Protect the work and its surrounding area from damage.
		5.2	Minimise damage and maintain a clean workspace.
		5.3	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations, and adverse weather conditions.
		5.4	Dispose of waste in accordance with legislation.
		5.5	State why the disposal of waste should be carried out safely in accordance with: • Environmental responsibilities. • Organisational procedures. • Manufacturers' information. • Statutory regulations. • Official guidance.
6	Complete the work within the allocated time when erecting metal chimneys.	6.1	Demonstrate completion of the work within the allocated time.
		6.2	Describe the purpose of the work programme and explain why deadlines should be kept in relation to: • Types of progress charts, timetables and estimated times. • Organisational procedures for reporting circumstances which will affect the work programme.

7	Comply with the given contract information to erect metal chimneys to the required specification.	7.1	Demonstrate the following work skills when erecting metal chimneys: • Measuring. • Marking out. • Fitting. • Finishing. • Positioning. • Securing.
		7.2	Erect metal chimney structures, mechanically joined and/or welded, to the given working instructions.
		7.3	Describe how to apply safe work practices, follow procedures, report problems and establish the authority needed to rectify them, to: • Erect and dismantle metal chimney structures mechanically joined and/or welded. • Provide temporary support. • Carry out remedial preparation and making good to the building structure. • Install and test anchors and ties. • Work with lifting equipment and accessories. • Use hand tools, power tools and equipment. • Work at height. • Use access equipment.
		7.4	Safely use and store materials, hand tools, portable power tools and ancillary equipment.
		7.5	State the needs of other occupations and how to communicate within a team when erecting metal chimneys.
		7.6	Describe how to maintain the tools and equipment used when erecting metal chimneys.

Unit Endorsements

This unit has the following endorsement requirements:

One of the following:

- Mechanically Joined
- Welded

Title:	Erecting Metal Chimneys in the Workplace
Additional information about this unit	
Assessment Guidance	This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment. Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy. **Workplace evidence of skills cannot be simulated.**
Sector Subject Area	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	63
Assessment hours	10

Title:	Applying Surface Coatings by Brush and Roller in the Workplace
Unit Number:	T/615/2211

Learning Outcomes *The learner will be able to:*		**Assessment Criteria** *The learner can:*	
1	Interpret the given information relating to the work and resources when applying surface coatings by brush and roller.	1.1	Interpret and extract relevant information from: • Drawings. • Specifications. • Current regulations. • Schedules. • Risk assessments. • Method statements. • Manufacturers information.
		1.2	Comply with information and/or instructions derived from risk assessments and method statements.
		1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
		1.4	Describe different types of information, their source and how they are interpreted in relation to: • Drawings. • Specifications. • Current legislation. • Schedules. • Risk assessments. • Method statements. • Manufacturers' information. • Official guidance and current regulations governing buildings associated with occupational requirements.
2	Know how to comply with relevant legislation and official guidance when applying surface coatings by brush and roller.	2.1	Describe their responsibilities regarding potential accidents, health hazards and the environment, whilst working: • In the workplace. • Below ground level. • In confined spaces. • At height. • With tools and equipment. • With materials and substances. • With the movement and storage of materials by manual handling and mechanical lifting.

2	*Cont.*	2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to: • Site. • Workplace. • Company. • Operative. • Vehicles.
		2.3	Explain what the accident reporting procedures are and who is responsible for making reports.
		2.4	Describe the types of fire extinguishers available when applying surface coatings by brush and roller and describe how and when they are used.
3	Maintain safe and healthy working practices when applying surface coatings by brush and roller.	3.1	Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements when applying surface coatings by brush and roller.
		3.2	Demonstrate compliance with the given information and relevant legislation when applying surface coatings by brush and roller in relation to the following: • Safe use of health and safety control equipment. • Safe use of access equipment. • Safe use, storage and handling of materials, tools and equipment. • Specific risks to health.
		3.3	Explain why and when health and safety control equipment, identified by the principles of prevention, should be used, relating to applying surface coatings by brush and roller, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: • Collective protective measures. • Personal protective equipment (PPE). • Respiratory protective equipment (RPE). • Local exhaust ventilation (LEV).

3	*Cont.*	3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.
		3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries, and other task-related activities.
4	Select the required quantity and quality of resources for the methods of work to apply surface coatings by brush and roller.	4.1	Select resources associated with own work in relation to: • Materials. • Components. • Fixings. • Tools. • Equipment.
		4.2	Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: • Water-borne and solvent-borne coatings. • Primers, sealers, intermediate coatings (undercoats) and finishes (single and two-pack coatings). • Single-product systems (e.g., emulsions, varnishes, timber preservative treatments). • Specialist coatings. • Solvents and thinners. • Appropriate brushes, rollers and other associated equipment. • Protective sheeting and masking materials. • Plant and access equipment. • Hand tools and associated equipment.
		4.3	Describe how to confirm that the resources and materials conform to the specification.
		4.4	Describe how the resources should be used correctly and how problems associated with the resources are reported.
		4.5	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.

4	*Cont.*	4.6	Describe any potential hazards associated with the resources and methods of work.
		4.7	Describe how to calculate quantity, including wastage of materials associated with the method and procedure to apply surface coatings by brush and roller.
5	Minimise the risk of damage to the work and surrounding area when applying surface coatings by brush and roller.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
		5.2	Maintain a clear and tidy work-space.
		5.3	Dispose of waste in accordance with current legislation.
		5.4	Describe how to protect work from damage and the purpose of protection in relation to: • General workplace activities. • Other occupations. • Members of the public. • Adverse weather conditions.
		5.5	Explain why the disposal of waste should be carried out safely in accordance with: • Environmental responsibilities. • Organisational procedures. • Manufacturers' information. • Statutory regulations. • Official guidance.
6	Complete the work within the allocated time when applying surface coatings by brush and roller.	6.1	Demonstrate completion of the work within the allocated time.
		6.2	Describe the purpose of the work programme and explain why deadlines should be kept in relation to: • Types of progress charts, timetables and estimated times. • Organisational procedures for reporting circumstances which will affect the work programme.

7	Comply with the given contract information to apply surface coatings by brush and roller to the required specification.	7.1	Demonstrate the following work skills when applying surface coatings by brush and roller: • Matching. • Mixing. • Pouring. • Diluting. • Loading. • Laying-on. • Laying-off. • Cutting-in.
		7.2	Use and maintain hand and power tools and associated equipment.
		7.3	Apply water-borne and/or solvent-borne coatings to internal and/or external surfaces for industrial and/or non-industrial situations, to given working instructions, by brush and/or roller, for: • Trim. • broad areas. • Structural and architectural work.

7	*Cont.*	7.4	Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: • Establish access requirements. • Check suitability of previously decorated or prepared surfaces. • Prepare and apply water-borne, solvent-borne, and two-pack coatings by brush and roller. • Coat broad areas and trim and structural and/or architectural features. • Stripe-coat surface features (industrial environment). • Test wet and dry film thickness. • Identify how atmospheric conditions affect coatings and their application process. • Identify the working and pot life of materials prepared for use. • Provide information for building information modelling (BIM). • Recognise and determine when specialist skills and knowledge are required and report accordingly. • Identify and follow manufacturers' instructions. • Work around and in close proximity to plant and machinery. • Direct and guide the operations and movement of plant and machinery. • Work at height. • Inspect and use access equipment. • Use appropriate brushes, rollers and associated tools and equipment.
		7.5	Describe the needs of other occupations and how to communicate effectively within a team and with members of the public who may be affected when applying surface coatings by brush and roller.
		7.6	Describe how to care for brushes, rollers and associated tools and equipment used when applying surface coatings by brush and roller.

Unit Endorsements

This unit has the following endorsement requirements:

One of the following:

- Decorative Finishing
- Industrial Painting

Title:	Applying Surface Coatings by Brush and Roller in the Workplace
Additional information about this unit	
Assessment Guidance	This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment. Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy. **Workplace evidence of skills cannot be simulated.**
Sector Subject Area	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	60
Assessment hours	20

Title:	Installing Lightning Conductor Systems in the Workplace
Unit Number:	H/651/1791

Learning Outcomes *The learner will be able to:*		**Assessment Criteria** *The learner can:*	
1	Interpret the given information relating to the work and resources when installing lightning conductor systems.	1.1	Interpret and extract relevant information from: • Drawings. • Method statements. • Risk assessments. • Specifications. • Schedules. • Manufacturers' information.
		1.2	Comply with information and/or instructions derived from risk assessments and method statements.
		1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
		1.4	Describe different types of information, their source and how they are interpreted in relation to: • Drawings. • Specifications. • Schedules. • Method statements. • Risk assessments. • Manufacturers' information. • Standards. • Official guidance and regulations associated with lightning conductor work.
2	Know how to comply with relevant legislation and official guidance when installing lightning conductor systems.	2.1	Describe their responsibilities regarding potential accidents, health hazards and the environment, whilst working: • In the workplace. • Below ground level. • In confined spaces. • At height. • With tools and equipment. • With materials and substances. • With the movement and storage of materials by manual handling and mechanical lifting.

2	*Cont.*	2.2	Describe the organisational security procedures for tools, equipment, and personal belongings in relation to: • Site. • Workplace. • Company. • Operative. • Vehicle.
		2.3	Explain what the accident reporting procedures are and who is responsible for making reports.
		2.4	Describe the types of fire extinguishers available and describe how and when they are used for: • Water. • CO_2. • Foam. • Powder.
3	Maintain safe working practices when installing lightning conductor systems.	3.1	Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements when installing lightning conductor systems.
		3.2	Demonstrate compliance with given information and relevant legislation when installing lightning conductor systems in relation to the following: • Safe use of access equipment. • Safe use, storage and handling of materials, tools and equipment. • Specific risks to health.
		3.3	Explain why and when health and safety control equipment, identified by the principles of prevention should be used, relating to installing lightning conductor systems, and the types, purpose and limitations of each type, the work situation and general work environment in relation to the following: • Collective protective measures. • Personal protective equipment (PPE). • Respiratory protective equipment (RPE). • Local exhaust ventilation (LEV).

3	*Cont.*	3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.
		3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries, and other task-related hazards.
4	Select the required quantity and quality of resources for the methods of work to install lightning conductor systems.	4.1	Select resources associated with own work in relation to materials, components, fixings, tools and equipment.
		4.2	Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: **Air terminations:** • Aluminium and copper tapes (plain, sheathed, coated). • Air finials. • Cables. • Clamps. • Bonds. • Fixings. • Suspended conductors. **Earth terminations:** • Copper lattice matts marconite. • Bentonite • Rods. • Copper tapes. • Cables. • Clamps. • Bonds. • Fixings. • Welding materials. • Riveted joints. • Earth pits • Inhibiting pastes. • Adhesive tapes. • Screws. • Plugs. • Nuts. • Bolts. • Denso tape.

4	*Cont.*		**Down conductors:** • Aluminium. • Copper. • Plain. • PVC. • Steel work columns. • Test clamps and fixings. **And also:** • Hand tools. • Portable power tools. • Ancillary equipment.
		4.3	Describe how to confirm that the resources and materials conform to the specification.
		4.4	Describe how the resources should be used correctly and how problems associated with the resources are reported.
		4.5	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
		4.6	Describe any potential hazards associated with the resources and method of work.
		4.7	Describe how to calculate quantity, length, area and wastage associated with the method and procedure to install lightning conductor systems.
5	Minimise the risk of damage to the work and surrounding area when installing lightning conductor systems.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
		5.2	Maintain a clear and tidy workspace.
		5.3	Dispose of waste in accordance with legislation.
		5.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations, and adverse weather conditions.
		5.5	Dispose of waste in accordance with legislation.

5	*Cont.*	5.6	Explain why the disposal of waste should be carried out safely in accordance with: • Environmental responsibilities. • Organisational procedures. • Manufacturers' information. • Statutory regulations. • Official guidance.
6	Complete the work within the allocated time when installing lightning conductor systems.	6.1	Demonstrate completion of the work within the allocated time.
		6.2	Describe the purpose of the work programme and explain why deadlines should be kept in relation to: • Types of progress charts, timetables and estimated times. • Organisational procedures for reporting circumstances which will affect the work programme.
7	Comply with the given contract information to install lightning conductor systems to the required specification.	7.1	Demonstrate the following work skills when installing lightning conductor systems: • Cleaning. • Dressing. • Measuring. • Forming. • Cutting. • Drilling. • Plugging. • Driving. • Positioning. • Clamping. • Bonding. • Securing. • Welding. • Testing to the current standard.
		7.2	Use and maintain hand tools, power tools and ancillary equipment and access equipment.
		7.3	Install components to the structural fabric to given work instructions to the existing and current standards, to all the following: • Air terminations type of system. • Down conductor' type of system. • Earthing type of system. • Bonding.

7	*Cont.*	7.4	Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: • Identify types of structure and the structural fabric. • Confirm the means of access to carry out the work. • Confirm the type of lightning conductor components and how they are to be installed. • Prepare the component parts to be installed. • Measure, position, fit and secure the components to specification and requirements. • Work with, around and in close proximity to plant and machinery. • Direct and guide the operations and movement of plant and machinery. • Use hand tools, powered tools, test instruments and ancillary equipment.
		7.5	Describe the needs of other occupations and how to communicate within a team when installing lightning conductor systems.
		7.6	Describe how to maintain the tools and equipment used when installing lightning conductor systems.

Title:	Installing Lightning Conductor Systems in the Workplace
Additional information about this unit	
Assessment Guidance	This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment. Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy. **Workplace evidence of skills cannot be simulated.**
Sector Subject Area	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	90
Assessment hours	10

Title:	Commissioning Lightning Conductor Installation Systems in the Workplace
Unit Number:	J/651/1792

Learning Outcomes *The learner will be able to:*		**Assessment Criteria** *The learner can:*	
1	Interpret the given information relating to the work and resources when commissioning lightning conductor installation systems.	1.1	Interpret and extract relevant information from: • Drawings. • Method statements. • Risk assessments. • Specifications. • Schedules. • Manufacturers' information.
		1.2	Comply with information and/or instructions derived from risk assessments and method statements.
		1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
		1.4	Describe different types of information, their source and how they are interpreted in relation to: • Drawings. • Specifications. • Method statements. • Risk assessments. • Schedules. • Manufacturers' information. • Standards. • Official guidance and regulations associated with lightning conductor work.
2	Know how to comply with relevant legislation and official guidance when commissioning lightning conductor installation systems.	2.1	Describe their responsibilities regarding potential accidents, health hazards and the environment, whilst working: • In the workplace. • Below ground level. • In confined spaces. • At height. • With tools and equipment. • With materials and substances. • With the movement and storage of materials by manual handling and mechanical lifting.

2	*Cont.*	2.2	Describe the organisational security procedures for tools, equipment, and personal belongings in relation to: • Site. • Workplace. • Company. • Operative. • Vehicles.
		2.3	Explain what the accident reporting procedures are and who is responsible for making reports.
3	Maintain safe and healthy working practices when commissioning lightning conductor installation systems.	3.1	Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements when commissioning lightning conductor installation systems.
		3.2	Demonstrate compliance with given information and relevant legislation when installing lightning conductor systems in relation to the following: • Safe use of access equipment. • Safe use, storage and handling of materials, tools and equipment. • Specific risks to health.
		3.3	Explain why and when health and safety control equipment, identified by the principles of prevention should be used, relating to installing lightning conductor systems, and the types, purpose and limitations of each type, the work situation and general work environment in relation to the following: • Collective protective measures. • Personal protective equipment (PPE).
		3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.
		3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards.

4	Select the required quantity and quality of resources for the methods of work to commission lightning conductor installation systems.	4.1	Select resources associated with own work in relation to tools and equipment.
		4.2	Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: • Test instruments and equipment. • Power tools. • Hand and ancillary equipment.
		4.3	Describe how to confirm that the resources and materials conform to the specification.
		4.4	Describe how the resources should be used correctly and how problems associated with the resources are reported.
		4.5	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
		4.6	Describe potential hazards associated with the resources and method of work.
		4.7	Describe how to calculate quantity and length associated with the method and procedure to commission lightning conductor installation systems.
5	Minimise the risk of damage to the work and surrounding area when commissioning lightning conductor installation systems.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
		5.2	Maintain a clear and tidy workspace.
		5.3	Dispose of waste in accordance with legislation.
		5.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations, and adverse weather conditions.
		5.5	Explain why the disposal of waste should be carried out safely in accordance with: • Environmental responsibilities. • Organisational procedures. • Manufacturers' information. • Statutory regulations. • Official guidance.

6	Complete the work within the allocated time when commissioning lightning conductor installation systems.	6.1	Demonstrate completion of the work within the allocated time.
		6.2	Describe the purpose of the work programme and explain why deadlines should be kept in relation to: • Types of progress charts, timetables and estimated times. • Organisational procedures for reporting circumstances which will affect the work programme.
7	Comply with the given contract information to commission lightning conductor installation systems to the required specification.	7.1	Demonstrate the following work skills when commissioning lightning conductor installation systems: • Inspecting. • Testing. • Measuring. • Recording.
		7.2	Use and maintain hand tools, test instruments, powered tools and ancillary equipment.
		7.3	Commission lightning conductor installations to given working instructions for the following: • Air terminations type of system and current standard. • Down conductors' type of system and current standard. • Earthing type of system and current standard. • Bonding. • Surge protection device.

7	*Cont.*	7.4	Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: • Identify the lightning conductor installation system (including surge/transient protection). • Confirm the means of access to carry out the work. • Survey and carry out visual inspection of the lightning conductor system. • Use test instruments and ancillary equipment. • Carry out tests for continuity, resistances, impedance. • Provide information for Building Information Modelling (BIM). • Recognise and determine when specialist skills and knowledge are required and report accordingly. • Determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance. • Identify and follow the installation quality requirements. • Work with, around and in close proximity to plant and machinery. • Use hand tools and ancillary equipment.
		7.5	Describe the needs of other occupations and how to communicate within a team when commissioning lightning conductor installation systems.
		7.6	Describe how to maintain the tools and equipment used when commissioning lightning conductor installation systems.

Title:	Commissioning Lightning Conductor Installation Systems in the Workplace
Additional information about this unit	
Assessment Guidance	This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment. Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy. **Workplace evidence of skills cannot be simulated.**
Sector Subject Area	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	130
Assessment hours	10

Title:	Identifying and marking the location of utilities apparatus and sub-structures in the Workplace
Unit Number:	K/650/8922

Learning outcomes *The learner will be able to:*		**Assessment criteria** *The learner can:*	
1	Interpret the given information relating to the work and resources when identifying and marking the location of utilities apparatus and sub-structures.	1.1	Interpret and extract relevant information from: • Drawings. • Specifications. • Schedules. • Risk assessments. • Method statements. • Survey and utility company information. • Manufacturers' information.
		1.2	Comply with information and/or instructions derived from risk assessments and method statements.
		1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
		1.4	Describe different types of information, their source and how they are interpreted in relation to: • Drawings. • Specifications. • Schedules. • Risk assessments. • Method statements • Organisational and manufacturers' information. • Verbal, written and graphical instructions. • Current regulations and official guidance governing utilities.
2	Know how to comply with relevant legislation and official guidance when identifying and marking the location of utilities apparatus and sub-structures.	2.1	Describe their responsibilities regarding potential accidents, health hazards and the environment whilst working: • In the workplace. • Below ground level. • In confined spaces. • At height. • With tools and equipment. • With materials and substances. • With movement and storage of materials by manual handling and mechanical lifting.

2	*Cont.*	2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
		2.3	Explain what the accident reporting procedures are and who is responsible for making reports.
		2.4	Describe the types of fire extinguishers available when identifying and marking the location of utilities apparatus and sub-structures and describe how and when they are used.
3	Maintain safe and healthy working practices when identifying and marking the location of utilities apparatus and sub-structures.	3.1	Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements when identifying and marking the location of utilities apparatus and sub-structures.
		3.2	Demonstrate compliance with given information and relevant legislation when identifying and marking the location of utilities apparatus and sub-structures in relation to the following: • Safe use, storage and handling of materials, tools, and equipment. • Specific risks to health. • Others affected by the work.
		3.3	Explain why and when health and safety control equipment, identified by the principles of prevention, should be used, relating to identifying and marking the location of utilities apparatus and sub-structures, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: • Collective protective measures. • Personal protective equipment (PPE). • Respiratory protective equipment (RPE).
		3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.
		3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries, damage to utilities apparatus and sub-structures and other task-related activities.

4	Select the required quantity and quality of resources for the methods of work to identify and mark the location of utilities apparatus and sub-structures.	4.1	Select resources associated with own work in relation to: • Materials. • Components. • Tools. • Equipment. • Electronic location instruments.
		4.2	Describe the characteristics, quality, uses, sustainability, limitations, and defects associated with the resources in relation to: • Electronic location instruments. • Marking materials and equipment. • Hand tools, power tools and equipment. • Ancillary equipment.
		4.3	Describe how to confirm that the resources and materials conform to the specification.
		4.4	Describe how the resources should be used correctly and how problems associated with the resources are reported.
		4.5	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
		4.6	Describe any potential hazards associated with the resources and methods of work.
		4.7	Describe how to identify by calculation, quantity, length and area associated with the method and procedure to identify and mark the location of utilities apparatus and sub-structures.
5	Minimise the risk of damage to the work and surrounding area when identifying and marking the location of utilities apparatus and sub-structures.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
		5.2	Maintain a clear and tidy work space.
		5.3	Dispose of waste in accordance with current legislation.
		5.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.

5	*Cont.*	5.5	Explain why the disposal of waste should be carried out safely in accordance with: • Environmental responsibilities. • Organisational procedures. • Manufacturers' information. • Statutory regulations. • Official guidance.
6	Complete the work within the allocated time when identifying and marking the location of utilities apparatus and sub-structures.	6.1	Demonstrate completion of the work within the allocated time.
		6.2	Describe the purpose of the work programme and explain why deadlines should be kept in relation to: • Types of productivity targets and time scales. • How times are estimated. • Organisational procedures for reporting circumstances which will affect the work programme.
7	Comply with the given contract information to Identify and mark the location of utilities apparatus and sub-structures to the required specification.	7.1	Demonstrate the following work skills when identifying and marking the location of utilities apparatus and sub-structures: • Measuring. • Locating. • Identifying. • Marking out. • Positioning. • Protecting. • Securing.
		7.2	Use and maintain hand tools, power tools and ancillary equipment.
		7.3	Survey, identify and mark the location of utilities apparatus and sub-structures to given working instructions.

7	*Cont.*	7.4	Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: • Confirm the area and location of work, the operations, safety, and security requirements including temporary traffic management and immediate area protection. • Ensure electronic equipment is calibrated. • Conform to agreed specification and local utility providers requirements. • Identify utilities apparatus and sub-structures by electronic locators and visually. • Confirm the type of service including gas, fuel, electric, communication, water, sewage. • Work around street furniture and ironwork. • Recognise identification markers for utility types. • Confirm structures (foundations, inspection chambers, joint and junction boxes). • Confirm the impact of the natural environment (tree roots, watercourses). • Mark the position of the utilities apparatus and sub-structures. • Return infrastructure to operational status. • Recognise and determine when specialist skills and knowledge are required and report accordingly. • Use hand tools, power tools and equipment. • Work at height.
		7.5	Describe the needs of other occupations and how to effectively communicate within a team when identifying and marking the location of utilities apparatus and sub-structures.
		7.6	Describe how to maintain the tools, equipment and electronic instruments used when identifying and marking the location of utilities apparatus and sub-structures.

Title:	Identifying and marking the location of utilities apparatus and sub-structures in the workplace
Additional information about this unit	
Assessment Guidance	This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment. Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy. Workplace evidence of skills cannot be simulated. This unit must be assessed against the endorsements detailed within the relevant NVQ structure. Please refer to the NVQ structure applicable to the qualification/occupational area in which the candidate is being assessed.
Sector Subject Areas	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	65
Assessment hours	10

Title:	Inspecting and Completing User Maintenance on Plant or Machinery in the Workplace
Unit Number:	Y/615/2363

Learning Outcomes *The learner will be able to:*		**Assessment Criteria** *The learner can:*	
1	Identify relevant information relating to the work and resources when inspecting and completing user maintenance on plant or machinery.	1.1	Interpret and extract relevant information from: • Drawings. • Specifications. • Schedules. • Method statements • Risk assessments. • Manufacturers' information.
		1.2	Comply with information and/or instructions derived from risk assessments and method statements.
		1.3	State the organisational procedures developed to report and rectify inappropriate information.
		1.4	Describe different types of information, their source and how they are interpreted in relation to: • Drawings. • Specifications. • Schedules. • Risk assessments. • Method statements • Manufacturers' information • Current regulations associated with inspecting and completing user maintenance on plant or machinery.
2	Identify relevant information relating to the work and resources when inspecting and completing user maintenance on plant or machinery.	2.1	Outline their responsibilities regarding potential accidents, health hazards and the environment whilst working: • In the workplace. • Below ground level. • In confined spaces. • At height. • With tools and equipment. • With materials and substances. • With movement and storage of materials by manual handling and mechanical lifting.

2	*Cont.*	2.2	State the organisational security procedures for tools, equipment, and personal belongings in relation to: • Site. • Workplace. • Company. • Operative.
		2.3	State what the accident reporting procedures are and who is responsible for making reports.
3	Maintain safe and healthy working practices when inspecting and completing user maintenance on plant or machinery.	3.1	Use health and safety control equipment and access equipment (if applicable) safely to carry out the activity in accordance with current legislation and organisational requirements when inspecting and completing user maintenance on plant or machinery.
		3.2	Comply with information relating to specific risks to health when inspecting and completing user maintenance on plant or machinery.
		3.3	State why and when health and safety control equipment, identified by the principles of protection, should be used, relating to inspecting and completing user maintenance on plant or machinery, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: • Collective protective measures. • Personal protective equipment (PPE). • Respiratory protective equipment (RPE). • Local exhaust ventilation (LEV).
		3.4	State how the relevant health and safety control equipment should be used in accordance with the given instructions.
		3.5	State how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards.

4	Select the required quantity and quality of resources for the methods of work to inspect and complete user maintenance on plant or machinery.	4.1	Select resources associated with own work in relation to materials, components, fixings, tools, equipment and consumables.
		4.2	Outline the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: • Consumables. • Coolants. • Oils. • Fuels. • Caps • Covers and fastenings. • Hand tools, portable powered tools, and equipment.
		4.3	State how the resources should be used correctly.
		4.4	State how any problems associated with the resources are reported.
		4.5	Outline any potential hazards associated with the resources and methods of work.
		4.6	State how to calculate quantity, length, area and wastage associated with the method/procedure to inspect and complete user maintenance on plant and machinery.
5	Minimise the risk of damage to the work and surrounding area when inspecting and completing user maintenance on plant or machinery.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
		5.2	Minimise damage and maintain a clean workspace.
		5.3	Dispose of waste in accordance with current legislation.
		5.4	Outline how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
		5.5	State why the disposal of waste should be carried out safely in accordance with: • Environmental responsibilities. • Organisational procedures. • Manufacturers' information. • Statutory regulations and official guidance.

6	Complete the work within the allocated time when inspecting and completing user maintenance on plant or machinery.	6.1	Demonstrate completion of the work within the allocated time.
		6.2	State the purpose of the work programme.
		6.3	State why deadlines should be kept in relation to agreed start and finish times.
7	Comply with the given contract information to inspect and complete user maintenance on plant or machinery to the required specification.	7.1	Demonstrate the following work skills when inspecting and completing user maintenance on plant or machinery: • Inspecting. • Replenishing. • Replacing. • Applying. • Adjusting. • Lubricating. • Cleaning. • Securing.
		7.2	Inspect and complete user maintenance on plant or machinery to given working instructions to include **four** of the following: • Cooling systems. • Oil(s) and lubricants. • Fuel(s). • Running gear and drive mechanisms. • Electrics, instruments, lights, and warning devices.
		7.3	Record information on user maintenance in accordance with given working instructions.
		7.4	Safely use and handle materials, hand tools, portable power tools and ancillary equipment.
		7.5	Safely store the materials, tools and equipment used when inspecting and completing user maintenance on plant or machinery.

7	*Cont.*	7.6	Outline how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: • Identify user maintenance criteria. • Inspect plant and machinery. • Identify high temperature and high-pressure components and systems. • Measure and replenish fluids, coolants, oils and fuels. • Remove and replace caps and covers. • Undo, remove and replace nuts, bolts, pins, clips, and specialist fastenings. • Deflate and inflate tyres. • Adjust running gear, wheel phasing, track, belt, and chain. • Check operation of electrics, instruments, lights, and warning devices. • Apply lubricants, greases, oils and compounds by grease gun, cartridge, can, spray and brush. • Use hand tools, portable power tools and equipment. • Work at height. • Use access equipment. • Complete and maintain records.
		7.7	State the needs of other occupations and how to effectively communicate within a team when inspecting and completing user maintenance on plant or machinery.
		7.8	Outline how to maintain the tools and equipment used when inspecting and completing user maintenance on plant or machinery.

Unit Endorsements
This unit has the following endorsement requirements: **Four** of the following: • Cooling systems. • Oil(s) and lubricants. • Fuel(s). • Running gear and drive mechanisms. • Electrics, instruments, lights and warning devices.

Title:	Inspecting and Completing User Maintenance on Plant or Machinery in the Workplace
Additional information about this unit	
Assessment Guidance	This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment. Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy. **Workplace evidence of skills cannot be simulated.**
Sector Subject Area	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	45
Assessment hours	10

Title:	Installing Permanent Suspended Access Equipment in the Workplace
Unit Number:	K/651/1793

Learning Outcomes *The learner will be able to:*		**Assessment Criteria** *The learner can:*	
1	Interpret the given information relating to the work and resources when installing permanent suspended access equipment.	1.1	Interpret and extract relevant information from: • Drawings. • Specifications. • Method statements. • Risk assessments. • Schedules. • Manufacturers' information.
		1.2	Comply with information and/or instructions derived from risk assessments and method statements.
		1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
		1.4	Describe different types of information, their source and how they are interpreted in relation to: • Drawings. • Specifications. • Schedules. • Method statements. • Risk assessments. • Manufacturers' information. • Standards. • Regulations and official guidance associated with the installation of permanent suspended access equipment.
2	Know how to comply with relevant legislation and official guidance when installing permanent suspended access equipment.	2.1	Describe their responsibilities regarding potential accidents, health hazards and the environment whilst working: • In the workplace. • Below ground level. • In confined spaces. • At height. • With tools and equipment. • With materials and substances. • With movement and storage of materials by manual handling and mechanical lifting.

2	*Cont.*	2.2	Describe the organisational security procedures for tools, equipment, and personal belongings in relation to: • Site. • Workplace. • Company. • Operative. • Vehicles.
		2.3	Explain what the accident reporting procedures are and who is responsible for making reports.
		2.4	Describe the types of fire extinguishers available and describe how and when they are used for: • Water. • CO_2. • Foam. • Powder.
3	Maintain safe and healthy working practices when installing permanent suspended access equipment.	3.1	Use health and safety control equipment and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements when installing permanent suspended access equipment.
		3.2	Demonstrate compliance with given information and relevant legislation when installing permanent suspended access equipment in relation to the following: • Safe use of access equipment. • Safe use, storage and handling of materials, tools and equipment. • Specific risks to health.
		3.3	Explain why and when health and safety control equipment, identified by the principles of prevention should be used, relating to installing permanent suspended access equipment, and the types, purpose and limitations of each type, the work situation and general work environment in relation to the following: • Collective protective measures. • Personal protective equipment (PPE). • Respiratory protective equipment (RPE). • Local exhaust ventilation (LEV).

3	*Cont.*	3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.
		3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries, and other task-related hazards.
4	Select the required quantity and quality of resources for the methods of work to install permanent suspended access equipment.	4.1	Select resources associated with own work in relation to: • Materials. • Components. • Fixings. • Anchors. • Tools. • Equipment.
		4.2	Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: • Prefabricated structures. • Self-assembled components. • Associated materials for installation. • Anchors and ties. • Access equipment. • Hand, power tools and ancillary equipment.
		4.3	Describe how to confirm that the resources and materials conform to the specification.
		4.4	Describe how the resources should be used correctly, how problems associated with the resources are reported.
		4.5	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
		4.6	Describe potential hazards associated with the resources and method of work.
		4.7	Describe how to calculate quantity, length and area associated with the method and procedure to install permanent suspended access equipment.

5	Select the required quantity and quality of resources for the methods of work to install permanent suspended access equipment.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
		5.2	Maintain a clear and tidy workspace.
		5.3	Dispose of waste in accordance with current legislation.
		5.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
		5.5	Explain why the disposal of waste should be carried out safely in accordance with: • Environmental responsibilities. • Organisational procedures. • Manufacturers' information. • Statutory regulations. • Official guidance.
6	Complete the work within the allocated time when installing permanent suspended access equipment.	6.1	Demonstrate completion of the work within the estimated allocated time.
		6.2	Describe the purpose of the work programme and explain why deadlines should be kept in relation to: • Types of progress charts. • Timetables. • Estimated times. • Organisational procedures for reporting circumstances which will affect the work programme.
7	Comply with the given contract information to install permanent suspended access equipment to the required specification.	7.1	Demonstrate the following work skills when installing permanent suspended access equipment: • Measuring. • Setting out. • Erecting. • Assembling. • Fixing. • Securing. • Testing. • Commissioning equipment for handover.

7	*Cont.*	7.2	Use and maintain hand tools, ancillary equipment, and access equipment.
		7.3	Install permanent, suspended access equipment to given working instructions for at least **two** of the following: • Travelling gantries. • Travelling ladders. • Suspended platforms. • Davits. • Building maintenance units (BMUs). • Monorail systems.
		7.4	Describe how to apply safe work practices, follow procedures, report problems, and establish the authority needed to rectify them, to: • Plan and set out the permanent, suspended access equipment for installation (gantries, ladders, cradles, davits and building maintenance units [BMUs]). • Arrange and make provision for services and power for the installation. • Assemble and install the suspended access equipment. • Test and commission equipment for hand over. • Carry out user's pre-use inspection of fall protection equipment. • Use hand tools and ancillary equipment. • Work at height. • Use access equipment.
		7.5	Describe the needs of other occupations and how to communicate within a team when installing permanent suspended access equipment.
		7.6	Describe how to maintain the tools and equipment used when installing permanent suspended access equipment.

Unit Endorsements

This unit has the following endorsement requirements:

Two of the following:

- Travelling gentries.
- Travelling ladders.
- Suspended platforms.
- Davits.
- Building maintenance units (BMUs).
- Monorail Systems.

Title:	Installing Permanent Suspended Access Equipment in the Workplace
Additional information about this unit	
Assessment Guidance	This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment. Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy. **Workplace evidence of skills cannot be simulated.**
Sector Subject Area	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	70
Assessment hours	10

Title:	Using Cradle Access Systems in the Workplace
Unit Number:	L/651/1794

Learning Outcomes *The learner will be able to:*		**Assessment Criteria** *The learner can:*	
1	Interpret the given information relating to the work and resources when using cradle access systems.	1.1	Interpret and extract relevant information from: • Drawings. • Method statements. • Risk assessments. • Specifications. • Schedules. • Manufacturers' information.
		1.2	Comply with information and/or instructions derived from risk assessments and method statements.
		1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
		1.4	Describe different types of information, their source and how they are interpreted in relation to: • Drawings. • Specifications. • Schedules. • Method statements. • Risk assessments. • Manufacturers' information. • Standards. • Regulations. • Official guidance.
2	Know how to comply with relevant legislation and official guidance and maintain safe and healthy working practices when using cradle access systems.	2.1	Describe their responsibilities regarding potential accidents, health hazards and the environment whilst working: • In the workplace. • Below ground level. • In confined spaces. • At height. • With tools and equipment. • With materials and substances. • With movement and storage of materials by manual handling and mechanical lifting.

2 *Cont.*

2.2 Describe the organisational security procedures for tools, equipment, and personal belongings in relation to:

- Site.
- Workplace.
- Company.
- Operative.
- Vehicles.

2.3 Explain what the accident reporting procedures are and who is responsible for making reports.

2.4 Describe the types of fire extinguishers available and describe how and when they are used for:

- Water.
- CO_2.
- Foam.
- Powder.

2.5 Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements when using cradle access systems.

2.6 Demonstrate compliance with given information and relevant legislation when using cradle access systems in relation to the following:

- Safe use of access equipment.
- Safe use, storage, and handling of materials, tools, and equipment.
- Specific risks to health.

2.7 Explain why and when health and safety control equipment, identified by the principles of prevention should be used, relating to using cradle access systems, and the types, purpose and limitations of each type, the work situation and general work environment in relation to:

- Collective protective measures.
- Personal protective equipment (PPE).
- Respiratory protective equipment (RPE).
- Local exhaust ventilation (LEV).

2	*Cont.*	2.8	Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.
		2.9	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards.
3	Minimise the risk of damage to the work and surrounding area when using cradle access systems.	3.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
		3.2	Maintain a clear and tidy workspace.
		3.3	Describe how to protect work from damage and the purpose of protection in relation to general workplace manoeuvring activities.
		3.4	Dispose of waste in accordance with current legislation.
		3.5	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations, and adverse weather conditions.
		3.6	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations, and official guidance.
4	Carry out pre-use preparation inspections on equipment in accordance with given procedures when using cradle access systems.	4.1	Demonstrate the following work skills when carrying out pre-use preparation inspections on cradle access systems: • Inspecting. • Checking. • Recording.
		4.2	Prepare suspended access systems for use to given operating instructions, relating to at least two of the following: • Travelling gantries. • Travelling ladders. • Suspended platforms. • Davits. • Building maintenance units (BMUs). • Monorail systems.

4	*Cont.*	4.3	Describe how to apply safe work and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: • Confirm position and operations (travelling gantries, travelling ladders, suspended platforms, davits, building maintenance units [BMUs] and monorail systems). • Inspect and check operational performance and security. • Carry out pre-use inspection of fall protection equipment. • Work at height. • Use access equipment.
5	Operate equipment in accordance with safe working practices to achieve the work using cradle access systems.	5.1	Demonstrate the following work skills when using cradle access systems: • Manoeuvring. • Positioning.
		5.2	Operate and shut down suspended access systems to carry out the task to given working instructions for at least two of the following: • Travelling gantries. • Travelling ladders. • Suspended platforms. • Davits. • Building maintenance units (BMUs). • Monorail systems.
		5.3	Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: • Inspect and check operational performance and security. • Operate and utilise the system. • Shut down and secure the system. • Use hand tools and ancillary equipment. • Work at height. • Use access equipment.
		5.4	Describe the needs of other occupations and how to communicate within a team when using cradle access systems.

6	Complete the work within the work within the allocated time when using cradle access systems.	6.1	Demonstrate completion of the work within the estimated allocated time.
		6.2	Describe the purpose of the work programme and explain why deadlines should be kept in relation to: • Types of progress charts. • Timetables. • Estimated times. • Organisational procedures for reporting circumstances which will affect the work programme.

Unit Endorsements

This unit has the following endorsement requirements:

Prepare, operate, and shut down **two** of the following:

- Travelling Gantries
- Travelling Ladders
- Suspended Platforms
- Davits
- Building Maintenance Units (BMUs)
- Monorail Systems

Title: Using Cradle Access Systems in the Workplace

Additional information about this unit

Assessment Guidance	This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment. Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy. **Workplace evidence of skills cannot be simulated.**
Sector Subject Area	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	110
Assessment hours	10

Title:	Installing and Removing Safety Net Rigging in the Workplace
Unit Number:	M/651/1795

Learning Outcomes *The learner will be able to:*		**Assessment Criteria** *The learner can:*	
1	Interpret the given information relating to the work and resources when installing and removing safety net rigging.	1.1	Interpret and extract relevant information from: • Plans. • Method statements. • Risk assessments. • Specifications. • Schedules. • Manufacturers' information.
		1.2	Comply with information and/or instructions derived from risk assessments and method statements.
		1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
		1.4	Describe different types of information, their source and how they are interpreted in relation to: • Specifications. • Schedules. • Method statements. • Risk assessments. • Manufacturers' information. • Standards. • Regulations. • Official guidance.
2	Know how to comply with relevant legislation and official guidance when installing and removing safety net rigging.	2.1	Describe their responsibilities regarding potential accidents, health hazards and the environment, whilst working: • In the workplace. • Below ground level. • In confined spaces. • At height. • With tools and equipment. • With materials and substances. • With the movement and storage of materials by manual handling and mechanical lifting.

2	*Cont.*	2.2	Describe the organisational security procedures for tools, equipment, and personal belongings in relation to: • Site. • Workplace. • Company. • Operative. • Vehicles.
		2.3	Explain what the accident reporting procedures are and who is responsible for making reports.
		2.4	Describe the types of fire extinguishers available and describe how and when they are used for: • Water. • CO_2. • Foam. • Powder.
3	Maintain safe and healthy working practices when installing and removing safety net rigging.	3.1	Use health and safety control equipment safely and comply with the methods of work in accordance with current legislation and organisational requirements when installing and removing safety net rigging.
		3.2	Demonstrate compliance with given information and relevant legislation when installing and removing safety net rigging in relation to the following: • Safe use of access equipment. • Safe use, storage and handling of materials, tools, and equipment. • Specific risks to health.
		3.3	Explain why and when health and safety control equipment, identified by the principles of prevention should be used, relating to installing and removing safety net rigging, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: • Collective protective measures. • Local exhaust ventilation (LEV). • Personal protective equipment (PPE). • Respiratory protective equipment (RPE).

3	*Cont.*	3.4	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries, and other task-related hazards.
4	Select the required quantity and quality of resources for the methods of work to install and remove safety net rigging.	4.1	Select resources associated with own work in relation to: • Materials. • Components. • Fixings. • Anchors and ties • Tools and equipment.
		4.2	Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: • Knotted and knotless netting. • Fixings and associated materials for supporting and securing the safety netting. • Associated materials (ropes, anchors, ties, ladders, and proprietary components). • Access equipment and ancillary equipment.
		4.3	Describe how to confirm that the resources and materials conform with the specification.
		4.4	Describe how the resources should be used correctly and how problems associated with the resources are reported.
		4.5	Describe any potential hazards associated with the resources and method of work.
		4.6	Describe how to calculate quantity, length and area associated with the method and procedure to install and remove safety net rigging.
5	Minimise the risk of damage to the work and surrounding area when installing and removing safety net rigging.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
		5.2	Maintain a clear and tidy workspace.
		5.3	Dispose of waste in accordance with legislation.
		5.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.

5	*Cont.*	5.5	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance.
6	Complete the work within the allocated time when installing and removing safety net rigging.	6.1	Demonstrate completion of the work within the estimated allocated time.
		6.2	Describe the purpose of the work programme and explain why deadlines should be kept in relation to: • Types of progress charts. • Timetables. • Estimated times. • Organisational procedures for reporting circumstances which will affect the work programme.
7	Comply with the given contract information to install and remove safety net rigging to the required specification.	7.1	Demonstrate the following work skills when installing and removing safety net rigging: • Measuring. • Setting out. • Positioning. • Assembling. • Fixing. • Checking • Securing • Dismantling. • Removing.
		7.2	Use and maintain hand tools, ancillary equipment and access equipment.
		7.3	Set up and remove knotted or knotless safety netting, Construction class S to given working instructions.
		7.4	Inspect installed safety netting to ensure compliance with legislation and standards.

7	*Cont.*	7.5	Describe how to apply safe work practices, follow procedures, report problems and establish the authority needed to rectify them, to: • Confirm type and scope of safety net rigging. • Confirm that the stability of the structure on which the safety net rigging will be erected and secured has been considered. • Fit, fix and secure the safety net rigging covering area, span, angle, fall height and clearance distances S, T, and U. • Check the safety net for damage. • Identify the test criteria for safety net rigging, including anchors and ties. • Tie different types of securing knots. • Install and test anchors and ties. • Apply rescue plans relating to methods of access. • Work with, around and in close proximity to plant and machinery. • Use ancillary equipment and access equipment. • Work at height. • Complete inspection of installed safety netting to ensure compliance with legislation and standards. • Complete hand over documentation to designated persons. • Dismantle and remove safety net rigging.
		7.6	Describe the needs of other occupations and how to communicate within a team when installing and removing safety net rigging.
		7.7	Describe how to maintain the tools and equipment used when installing and removing safety net rigging.

Title:	Installing and Removing Safety Net Rigging in the Workplace
Additional information about this unit	
Assessment Guidance	This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment. Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy. **Workplace evidence of skills cannot be simulated.**
Sector Subject Area	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	70
Assessment hours	10

Title:	Installing and Setting Up Fall Protection Systems in the Workplace
Unit Number:	F/651/1871

Learning Outcomes *The learner will be able to:*		**Assessment Criteria** *The learner can:*	
1	Interpret the given information relating to the work and resources when installing and setting up fall protection systems.	1.1	Interpret and extract relevant information from: • Plans. • Method statements. • Risk assessments. • Specifications. • Schedules. • Manufacturers' information.
		1.2	Comply with information and/or instructions derived from risk assessments and method statements.
		1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
		1.4	Describe different types of information, their source and how they are interpreted in relation to: • Plans. • Specifications. • Schedules. • Method statements. • Risk assessments. • Manufacturers' information. • Permit systems. • Standards. • Regulations. • Official guidance.
2	Know how to comply with relevant legislation and official guidance when installing and setting up fall protection systems.	2.1	Describe their responsibilities regarding potential accidents, health hazards and the environment whilst working: • In the workplace. • Below ground level. • In confined spaces. • At height. • With tools and equipment. • With materials and substances. • With movement and storage of materials. • By manual handling and mechanical lifting.

2	*Cont.*	2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to: • Site. • Workplace. • Company. • Operative. • Vehicles.
		2.3	Explain what the accident reporting procedures are and who is responsible for making reports.
		2.4	Describe the types of fire extinguishers available when installing and setting up fall protection systems and describe how and when they are used.
3	Maintain safe and healthy working practices when installing and setting up fall protection systems.	3.1	Use health and safety control equipment and access equipment and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements when installing and setting up fall protection systems.
		3.2	Demonstrate compliance with given information and relevant legislation when installing and setting up fall protection systems in relation to the following: • Methods of work. • Safe use of health and safety control equipment. • Safe use of access equipment. • Safe use, storage and handling of materials, tools and equipment. • Specific risks to health.
		3.3	Explain why and when health and safety control equipment, identified by the principles of prevention should be used, relating to installing and setting up fall protection systems, and the types, purpose and limitations of each type, the work situation and general work environment in relation to: • Collective protective measures. • Personal protective equipment (PPE). • Respiratory protective equipment (RPE). • Local exhaust ventilation (LEV).
		3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.

3	*Cont.*	3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards.
4	Select the required quantity and quality of resources for the methods of work to installing and setting up fall protection systems.	4.1	Select resources associated with own work in relation to: • Materials. • Components. • Fixings. • Anchors and ties. • Tools and equipment.
		4.2	Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: • Support posts. • End terminations. • Tensioners and swage or swageless fittings. • Steel or synthetic cable. • Bolts, rivets, toggles, rails. • Anchors and ties. • Fall protection equipment. • Hand tools, portable power tools and ancillary equipment.
		4.3	Describe how to confirm that the resources and materials conform to the specification.
		4.4	Describe how the resources should be used correctly, how problems associated with the resources are reported.
		4.5	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
		4.6	Describe any potential hazards associated with the resources and method of work.
		4.7	Describe how to calculate quantity, length and area associated with the method and procedure to install and set up fall protection systems.

5	Minimise the risk of damage to the work and surrounding area when installing and setting up fall protection systems.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
		5.2	Maintain a clear and tidy work space.
		5.3	Dispose of waste in accordance with legislation.
		5.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
		5.5	Explain why the disposal of waste should be carried out safely in accordance with: • Environmental responsibilities. • Organisational procedures. • Manufacturers' information. • Statutory regulations. • Official guidance.
6	Complete the work within the allocated time when installing and setting up fall protection systems.	6.1	Demonstrate completion of the work within the allocated time.
		6.2	Demonstrate the purpose of the work programme and explain why deadlines should be kept in relation to: • Types of progress charts, timetables and estimated times. • Organisational procedures for reporting circumstances which will affect the work programme.
7	Comply with the given contract information to installing and setting up fall protection systems to the required specification.	7.1	Demonstrate the following work skills when installing and setting up fall protection systems: • Measuring. • Setting out. • Positioning. • Installing. • Fixing. • Securing. • Checking. • Removing.
		7.2	Use and maintain hand tools, fall protection equipment and access equipment.

7 *Cont.*

7.3 Install and set up fall protection systems to given working instructions, using recognised anchor points with:

- Secured steelwork structures.
- Wire and rope systems.
- Permanently installed anchorage points.
- Temporarily installed anchorage points.

7.4 Complete inspection of installed fall protection systems to ensure compliance with current legislation and standards.

7.5 Complete handover documentation to designated persons.

7.6 Describe how to apply safe work practices, follow procedures, report problems and establish the authority needed to rectify them, to:

- Confirm the area to secure and provide for fall protection anchorage.
- Confirm method to provide fall protection system.
- Select, prepare and install equipment for installation (secured steelwork structures, wire and rope systems, permanent and temporary installed anchorage points).
- Visually inspect fall protection equipment.
- Install and test anchors and ties.
- Identify the test criteria for fall protection equipment.
- Work with, around and in close proximity to plant and machinery.
- Use hand tools and ancillary equipment
- Work at height.
- Use access equipment.
- Complete inspection of installed fall protection systems to ensure compliance with legislation and standards.
- Complete hand over documentation to designated persons.

7.7 Describe the needs of other occupations and how to communicate within a team when installing and setting up fall protection systems.

7.8 Describe how to maintain the tools, portable power tools ancillary equipment and access equipment used when installing and setting up fall protection systems.

Title:	Installing and Setting Up Fall Protection Systems in the Workplace
Additional information about this unit	
Assessment Guidance	This unit must be assessed in a work environment, in accordance with the CITB' Consolidated Assessment Strategy for Construction and the Built Environment. Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy. **Workplace evidence of skills cannot be simulated.**
Sector Subject Area	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	110
Assessment hours	10

Title:	Preparing and operating boom-type mobile elevating work platforms (MEWP) in the workplace
Unit Number:	R/651/2271

Learning Outcomes *The learner will be able to:*		**Assessment Criteria** *The learner can:*	
1	Interpret the given information relating to the preparation and using boom-type MEWPs to access areas to carry out the work.	1.1	Interpret and extract relevant information from drawings, specifications, schedules, method statements, risk assessments and manufacturers' information.
		1.2	Comply with information and/or instructions derived from risk assessments and method statements.
		1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
		1.4	Describe different types of information, their source and how they are interpreted in relation to: • Drawings • Specifications • Schedules • Method statements • Risk assessments • Manufacturers' information • Current regulations governing the operation of plant and machinery used as work platforms.
2	Organise with others the sequence and operation in which accessing operations using boom-type MEWPs are to be carried out.	2.1	Organise the work according to given information or instructions.
		2.2	Describe how to communicate ideas between team members.
		2.3	Organise and communicate with team members and other associated occupations.
		2.4	Describe how to organise resources prior to and during accessing operations.

3	Know how to comply with relevant legislation and official guidance when carrying out accessing operations using boom-type MEWPs.	3.1	Describe their responsibilities regarding potential accidents, health hazards and the environment whilst working: • In the workplace. • Below ground level. • In confined spaces. • At height. • With tools and equipment. • With materials and substances. • With movement/storage of materials. • By manual handling and mechanical lifting.
		3.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
		3.3	Explain what the accident reporting procedures are and who is responsible for making reports.
4	Maintain safe and healthy working practices when preparing for and carrying out accessing operations using boom-type MEWPs	4.1	Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with legislation and organisational requirements during accessing operations.
		4.2	Demonstrate compliance with given information and relevant legislation when carrying out accessing operations using boom-type MEWPs in relation to two or more of the following: • Safe use and storage of plant or machinery • Safe use and storage of tools and equipment • Specific risks to health.
		4.3	Explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to accessing operations, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: • Collective protective measures • Personal protective equipment (PPE) • Respiratory protective equipment (RPE) • Local exhaust ventilation (LEV).

4	*Cont.*	4.4	Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.
		4.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries, other task-related activities and rescue plans.
5	Request and select the required quantity and quality of resources to prepare for and carry out accessing operations using boom-type MEWPs.	5.1	Request and select resources associated with boom-type MEWPs in relation to consumables, materials, tools, ancillary equipment and/or accessories.
		5.2	Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources, and how they should be used correctly, relating to: • Consumables, lubricants and fuels. • Attachments and accessing aids. • Hand tools, ancillary equipment and accessories.
		5.3	Describe how the resources should be used correctly, how problems associated with the resources are reported.
		5.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
		5.5	Describe any potential hazards associated with the resources and methods of work.
		5.6	Describe how to identify weight, quantity, length and area associated with the method/procedures to operate boom-type mobile elevating work platforms used for accessing operations.
6	Minimise the risk of damage to the work and surrounding area when preparing to and accessing work areas.	6.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
		6.2	Prevent damage and maintain a clean work space.
		6.3	Dispose of waste in accordance with current legislation.
		6.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.

6	*Cont.*	6.5	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance.
7	Complete the work within the allocated time when preparing to and accessing work areas using boom-type MEWPs.	7.1	Demonstrate completion of the work within the allocated time.
		7.2	Describe the purpose of the work programme and describe why deadlines should be kept in relation to: • Types of progress charts, timetables and estimated times. • Organisational procedures for reporting circumstances which will affect the work programme.
8	Comply with the given contract information to access areas to carry out work using boom-type MEWPs to the required specification.	8.1	Demonstrate the following work skills when preparing for and accessing work areas using boom-type MEWPs: • Checking. • Setting up. • Adjusting. • Communicating. • Manoeuvring. • Positioning. • Accessing. • Setting down.
		8.2	Use and maintain hand tools, ancillary equipment and/or accessories.
		8.3	Prepare for, position, set up and operate boom-type MEWPs to access working areas, at various locations, to given working instructions.
		8.4	Shut down and secure boom-type MEWPs.

8	*Cont.*	8.5	Describe how to apply safe and healthy work practices, follow procedures, report problems and establish authority needed to rectify, to: • Identify the characteristics of the boom-type MEWP used for accessing work. • Identify valid certification for maintenance, inspection and thorough examination. • Carry out function checks for accessing operation. • Prepare, set up and adjust for operational requirements. • Carry out pre-operational checks for obstructions, stability, and ground conditions affecting the work and surrounding area. • Identify and remain aware of the area of operation to include potential entrapment situations. • Use fall prevention equipment. • Check to avoid damage to structures and utilities service apparatus. • Position and secure MEWP for accessing operations. • Recognise and determine when specific skills and knowledge are required and report accordingly. • Operate, manoeuvre, position, set down and secure. • Operate and travel on the public highway. • Shut down and secure the MEWP. • Use hand tools, ancillary equipment and accessories.
		8.6	Describe the needs of other occupations and how to effectively communicate within a team when preparing to and carrying out accessing operations.
		8.7	Describe how to maintain the plant and machinery, hand tools, ancillary equipment used to access working areas.

Title:	Preparing and operating boom-type mobile elevating work platforms (MEWP) in the workplace
Additional information about this unit	
Assessment Guidance	This unit must be assessed in a work environment, in accordance with the CITB' Consolidated Assessment Strategy for Construction and the Built Environment. Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy. **Workplace evidence of skills cannot be simulated.**
Sector Subject Area	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	47
Assessment hours	10

Title:	Preparing and Operating Mast Climber-Type Mobile Elevating Work Platforms (MEWP) in the Workplace.
Unit Number:	D/651/2275

Learning Outcomes *The learner will be able to:*		**Assessment Criteria** *The learner can:*	
1	Interpret the given information relating to the preparation and using mast climber-type MEWPs to access areas to carry out the work.	1.1	Interpret and extract relevant information from drawings, specifications, schedules, method statements, risk assessments and manufacturers' information.
		1.2	Comply with information and/or instructions derived from risk assessments and method statements.
		1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
		1.4	Describe different types of information, their source and how they are interpreted in relation to: • Drawings • Specifications • Schedules • Method statements • Risk assessments • Manufacturers' information • Current regulations governing the operation of plant and machinery used as work platforms.
2	Organise with others the sequence and operation in which accessing operations using mast climber-type MEWPs are to be carried out.	2.1	Organise the work according to given information or instructions.
		2.2	Describe how to communicate ideas between team members.
		2.3	Organise and communicate with team members and other associated occupations.
		2.4	Describe how to organise resources prior to and during accessing operations.

3	Know how to comply with relevant legislation and official guidance when carrying out accessing operations using mast climber-type MEWPs.	3.1	Describe their responsibilities regarding potential accidents, health hazards and the environment whilst working: • In the workplace. • Below ground level. • In confined spaces. • At height. • With tools and equipment. • With materials and substances. • With movement/storage of materials. • By manual handling and mechanical lifting.
		3.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
		3.3	Explain what the accident reporting procedures are and who is responsible for making reports.
4	Maintain safe and healthy working practices when preparing for and carrying out accessing operations using mast climber-type MEWPs	4.1	Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with legislation and organisational requirements during accessing operations.
		4.2	Demonstrate compliance with given information and relevant legislation when carrying out accessing operations using mast climber-type MEWPs in relation to two or more of the following: • Safe use and storage of plant or machinery • Safe use and storage of tools and equipment • Specific risks to health.
		4.3	Explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to accessing operations, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: • Collective protective measures • Personal protective equipment (PPE) • Respiratory protective equipment (RPE) • Local exhaust ventilation (LEV).

4	*Cont.*	4.4	Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.
		4.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries, other task-related activities and rescue plans.
5	Request and select the required quantity and quality of resources to prepare for and carry out accessing operations using mast climber-type MEWPs.	5.1	Request and select resources associated with mast climber-type MEWPs in relation to consumables, materials, tools, ancillary equipment and/or accessories.
		5.2	Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources, and how they should be used correctly, relating to: • Consumables, lubricants and fuels. • Attachments and accessing aids. • Hand tools, ancillary equipment and accessories.
		5.3	Describe how the resources should be used correctly, how problems associated with the resources are reported.
		5.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
		5.5	Describe any potential hazards associated with the resources and methods of work.
		5.6	Describe how to identify weight, quantity, length and area associated with the method/procedures to operate mast climber-type mobile elevating work platforms used for accessing operations.
6	Minimise the risk of damage to the work and surrounding area when preparing to and accessing work areas.	6.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
		6.2	Prevent damage and maintain a clean work space.
		6.3	Dispose of waste in accordance with current legislation.
		6.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.

6	*Cont.*	6.5	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance.
7	Complete the work within the allocated time when preparing to and accessing work areas using mast climber-type MEWPs.	7.1	Demonstrate completion of the work within the allocated time.
		7.2	Describe the purpose of the work programme and describe why deadlines should be kept in relation to: • Types of progress charts, timetables and estimated times. • Organisational procedures for reporting circumstances which will affect the work programme.
8	Comply with the given contract information to access areas to carry out work using mast climber-type MEWPs to the required specification.	8.1	Demonstrate the following work skills when preparing for and accessing work areas using mast climber-type MEWPs: • Checking. • Setting up. • Adjusting. • Communicating. • Manoeuvring. • Positioning. • Accessing. • Setting down.
		8.2	Use and maintain hand tools, ancillary equipment and/or accessories.
		8.3	Prepare for, position, set up and operate mast climber-type MEWPs to access working areas, at various locations, to given working instructions.
		8.4	Shut down and secure mast climber-type MEWPs.

8	*Cont.*	8.5	Describe how to apply safe and healthy work practices, follow procedures, report problems and establish authority needed to rectify, to: • Identify the characteristics of the mast climber-type MEWP used for accessing work. • Identify valid certification for maintenance, inspection and thorough examination. • Carry out function checks for accessing operation. • Prepare, set up and adjust for operational requirements. • Carry out pre-operational checks for obstructions, stability, and ground conditions affecting the work and surrounding area. • Identify and remain aware of the area of operation to include potential entrapment situations. • Use fall prevention equipment. • Check to avoid damage to structures and utilities service apparatus. • Position and secure MEWP for accessing operations. • Recognise and determine when specific skills and knowledge are required and report accordingly. • Operate, manoeuvre, position, set down and secure. • Operate and travel on the public highway. • Shut down and secure the MEWP. • Use hand tools, ancillary equipment and accessories.
		8.6	Describe the needs of other occupations and how to effectively communicate within a team when preparing to and carrying out accessing operations.
		8.7	Describe how to maintain the plant and machinery, hand tools, ancillary equipment used to access working areas.

Title:	Preparing and Operating Mast Climber-Type Mobile Elevating Work Platforms (MEWP) in the Workplace.
Additional information about this unit	
Assessment Guidance	This unit must be assessed in a work environment, in accordance with the CITB' Consolidated Assessment Strategy for Construction and the Built Environment. Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy. **Workplace evidence of skills cannot be simulated.**
Sector Subject Area	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	47
Assessment hours	10

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