



Level 2 Diploma in Land Drilling Operations

Qualification Specification

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Introduction

The aim of this qualification is to recognise the knowledge, skills and competence demonstrated by an individual in the workplace. This Level 2 NVQ Diploma in Land Drilling Operations - Land Driller provides the opportunity for individuals who specialise in Land Drilling to demonstrate their competence.

The awarding body for this qualification is ProQual Awarding Body and the regulatory body is the Office of Qualifications and Examinations Regulation (Ofqual). The specification for the qualification has been approved by the Welsh Government for use by centres in Wales and by the Council for the Curriculum Examinations and Assessment (CCEA) for use by centres in Northern Ireland.

This qualification has been accredited onto the Regulated Qualifications Framework (RQF) and it provides a progression route to discipline related qualifications in the construction sector.

Qualification Profile Level 2 Diploma in Land Drilling Operations

Qualification title	ProQual Level 2 Diploma in Land Drilling Operations
Ofqual qualification number	600/4766/5
Level	Level 2
Total qualification time	570 hours
Guided learning hours	177
Assessment	Pass or fail Internally assessed and verified by centre staff External quality assurance by ProQual verifiers
Qualification start date	1/3/12
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

To achieve the qualification candidates must achieve a minimum of **53 credits**:

- **29 credits** from the Mandatory units, plus
- a minimum of **24 credits** from one pathway in Group B;
- Candidates may choose to do any of the Additional units from Group C but they will not count towards qualification

Mandatory Units				
Unit Reference Number	Unit Title	Unit Level	Credit Value	GLH
J/601/7315	Contributing to the Specified Drilling Programme in the Workplace	2	14	47
R/600/7127	Establishing Work Area Protection and Safety in the Workplace	2	10	33
A/503/1170	Conforming to General Health, Safety and Welfare in the Workplace	1	2	7
J/503/1169	Conforming to Productive Working Practices in the Workplace	2	3	10

Group B Optional Units – candidates must complete 1 pathway
Pathway 1: Land Driller
Pathway 2: Land Driller Support Operative

Pathway 1: Land Driller – candidates must complete both Mandatory units and one Optional unit				
Mandatory Units				
Unit Reference Number	Unit Title	Unit Level	Credit Value	GLH
R/601/7317	Providing for and Maintaining the Security of the Work and Environment Surrounding the Drilling Area in the Workplace	2	12	40
Y/601/7318	Drilling and Completing Holes to the Drilling Specification Programme in the Workplace	2	43	143
Optional Units				
Unit Reference Number	Unit Title	Unit Level	Credit Value	GLH
A/600/8157	Reinstating Ground Condition in the Workplace	2	12	40
J/600/7111	Carrying Out Checks and/or Basic Maintenance on Plant or Machinery in the Workplace	2	8	27
D/600/8099	Preparing and Operating Specialised Powered Tools and Equipment in the Workplace	2	4	13
L/600/8101	Setting Out Secondary Dimensional Work Control in the Workplace	2	8	27
R/600/8102	Slinging and Signalling the Movement of Loads (Secondary Role) in the Workplace	2	8	27

Pathway 2: Land Driller Support Operative – candidates must complete both Mandatory units and one Optional unit				
Mandatory Units				
Unit Reference Number	Unit Title	Unit Level	Credit Value	GLH
A/600/8157	Reinstating Ground Condition in the Workplace	2	12	40
J/600/7111	Carrying Out Checks and/or Basic Maintenance on Plant or Machinery in the Workplace	2	8	27
Optional Units				
Unit Reference Number	Unit Title	Unit Level	Credit Value	GLH
L/601/7316	Receiving and Organising Materials and Equipment for the Drilling Activity in the Workplace	2	9	30
D/600/8099	Preparing and Operating Specialised Powered Tools and Equipment in the Workplace	2	4	13
L/600/8101	Setting Out Secondary Dimensional Work Control in the Workplace	2	8	27
R/600/8102	Slinging and Signalling the Movement of Loads (Secondary Role) in the Workplace	2	8	27

Group C Optional Units				
Unit Reference Number	Unit Title	Unit Level	Credit Value	GLH
L/600/7868	Preparing and Operating Overhead Cranes to Lift and Transfer Loads in the Workplace	2	18	60
D/600/7874	Preparing and Operating Excavator Cranes to Lift and Transfer Loads in the Workplace	2	30	100
H/600/7889	Preparing and Operating Rough Terrain Masted Forklifts to Lift and Transfer Loads in the Workplace	2	18	60
M/600/7894	Preparing and Operating Industrial Counterbalanced Forklifts to Lift and Transfer Loads in the Workplace	2	16	53
L/600/7899	Preparing and Operating Sideloader Forklifts to Lift and Transfer Loads in the Workplace	2	16	53
A/600/7915	Preparing and Operating Telescopic Handlers to Lift and Transfer Loads in the Workplace	2	25	83
J/600/7917	Preparing and Operating Reach Trucks to Lift and Transfer Loads in the Workplace	2	16	53
J/600/7920	Preparing and Operating Lorry Loaders or Knuckle Boom Cranes to Lift and Transfer Loads in the Workplace	2	30	100
T/600/7931	Preparing and Operating 180 degree Excavators to Extract Ground and Loose Materials in the Workplace	2	80	267
D/600/7938	Preparing and Operating Skid Steer Loaders to Extract Loose Materials in the Workplace	2	20	67
Y/600/7954	Preparing and Operating Loader Compactors to Extract Loose Materials in the Workplace	2	16	53
K/600/7957	Preparing and Operating 360 degree Excavators to Extract Ground, Face and/or Loose Materials in the Workplace	2	80	267
Y/600/7968	Preparing and Operating Crawler/Tractor Dozers to Excavate and/or Form Ground in the Workplace	2	85	283
R/600/7970	Preparing and Operating 360 degree Excavators to Excavate Ground in the Workplace	2	80	267
T/600/7976	Preparing and Operating Truck-mounted Boom Concrete Pumps to Receive, Pump and Discharge Materials in the Workplace	2	70	233
A/600/7977	Preparing and Operating Forward Tipping Dumpers to Receive, Transport and Discharge Materials in the Workplace	2	16	53
F/600/8001	Preparing and Operating Agricultural-based Tractors for Non-agricultural Activities in the Workplace	2	20	67
Y/600/8005	Preparing and Operating Trailer-mounted Concrete Pumps to Receive, Pump and Discharge Materials in the Workplace	2	18	60
M/600/8009	Preparing and Operating Self-propelled Bowlers to Receive, Transport and Discharge Materials in the Workplace	2	12	40

Unit Reference Number	Unit Title	Unit Level	Credit Value	GLH
T/600/8013	Preparing and Operating Scissor-type Mobile Elevating Work Platform –MEWP – in the Workplace	2	12	40
Y/600/8019	Preparing and Operating Boom-type Mobile Elevating Work Platforms – MEWP – in the Workplace	2	14	47
H/600/8024	Preparing and Operating Mast Climber-type Mobile Elevating Work Platforms – MEWP – in the Workplace	2	12	40

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

For each competence-based unit centres must be able to provide at least one assessor and one internal quality assurance verifier who are suitably qualified for the specific occupational area. Assessors and internal quality assurance verifiers for competence-based units or qualifications will normally need to hold appropriate assessor or verifier qualifications, such as:

- Award in Assessing Competence in the Work Environment
- Award in Assessing Vocationally Related Achievement
- Certificate in Assessing Vocational Achievement
- Award in the Internal Quality Assurance of Assessment Processes and Practices
- Certificate in Leading the Internal Quality Assurance of Assessment Processes and Practices

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

Links to National Standards / NOS mapping

National Occupational Standards (NOS) are owned by a Sector Skills Council or Standard Setting Body and they describe the skills, knowledge and understanding needed to undertake a particular task or job at different levels of competence.

The structure and units of this qualification are based on NOS for the construction sector.

This qualification can be used to develop candidates' skills for Functional Skills qualifications.

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.

The qualification must be 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 11.

Internal Quality Assurance

An internal 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 Assessment

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 required credits for qualifications will be awarded:

- A certificate listing all units achieved with their related credit value, and
- A certificate giving the full qualification title -

ProQual Level 2 Diploma in Land Drilling Operations

Claiming certificates

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

Unit certificates

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

Learning Outcomes and Assessment Criteria

Unit J/601/7315

Contributing to the Specified Drilling Programme in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information and the work programme when contributing to the specified drilling programme.	1.1 Interpret information and instructions accurately in relation to the work programme from drawings, instructions, method statements, specifications, schedules and manufacturer's information. 1.2 Refer to and agree any departures from information and instructions with the authorised person. 1.3 State the approved procedures and practices relevant to the operations, work activity and workplace environment, relating to: - organisational - regulatory - emergency - operational. 1.4 Describe different types of information and instructions in relation to the specified work activity including drawings, instructions, specifications, method statements, schedules and manufacturer's information. 1.5 Assess and communicate the impact that the pending work activity will have on the personnel and property in accordance with organisational procedures.
2 Prepare for the work when contributing to the specified drilling programme.	2.1 Carry out preparation work using appropriate and agreed work methods, technical information and instructions when preparing for the specified drilling programme in accordance with approved procedures and practices. 2.2 Confirm resources appropriate to contributing to the specified drilling programme are available and ready for use in accordance with the work

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

		requirement and approved procedures and practices, in relation to: - materials, components and fixings - machinery, tools and equipment.
	2.3	Describe the different types of materials, components, tools and equipment relevant to the work activity, in relation to: - drilling rigs - hand and/or powered tools, machinery and ancillary equipment.
3	Maintain safe working practices when contributing to the specified drilling programme.	3.1 Use personal protective equipment (PPE) safely to carry out the work in accordance with approved procedures and practices and in compliance with current statutory requirements when contributing to the specified drilling programme. 3.2 Describe their responsibilities under the current health and safety statutory regulations whilst working: - in the workplace, below ground level, at height, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting. 3.3 Demonstrate that safety is not compromised and further clarification is sought if any information is unclear. 3.4 Record and report any defects and deficiencies to the appropriate authorised person, in accordance with the organisational and operational procedures. 3.5 Identify potential hazards and/or adverse conditions that could affect the work and agree a suitable action with the appropriate person(s).

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	3.6 Outline potential hazards and/or adverse conditions that could impact on the work activity. 3.7 Refer any problems and/or conditions outside their level of responsibility arising from information, resources and methods of work to the appropriate authorised person.
4 Minimise the risk of damage to the work, surrounding area and environment when contributing to the specified drilling programme.	4.1 Protect the work and its surrounding area from damage. 4.2 Minimise damage and maintain a clean work space. 4.3 Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions. 4.4 Dispose of waste in accordance with legislation. 4.5 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.
5 Implement and maintain the specified work activity to the given requirements when contributing to the specified drilling programme.	5.1 Prepare resources to the given requirements and work instructions, using appropriate communication methods and in accordance with the specified work programme, agreed standards and approved procedures and practices to form bored and/or driven holes, and/or specialist works. 5.2 Describe the standards, work methods and different communication methods relevant to preparing for and forming a hole in accordance with approved procedures and practices in relation to one or more of the following drilling methods: - cable percussive - rotary

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- rotary percussive
- dynamic sampling

- 5.3 Safely use and store hand tools, machinery and ancillary equipment relevant to the work activity and in accordance with approved procedures and practices.
- 5.4 Work effectively as an individual and/or as part of a team when contributing to the specified drilling programme.
- 5.5 State the needs of other occupations and how to communicate within a team when contributing to the specified drilling programme.
- 5.6 Describe how to care for the tools, machinery and equipment used when contributing to the specified drilling programme.
- 5.7 Maintain records in accordance with operational and organisational requirements when contributing to the specified drilling programme.

Unit R/600/7127

Establishing Work Area Protection and Safety in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the work and resources when establishing work area protection and safety.	1.1 Interpret and extract information from drawings, plans, method statements, specifications, schedules, site inspections and manufacturers' information. 1.2 Comply with information and/or instructions derived from risk assessments and method statement. 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, plans, method statement, specifications, schedules, site inspection reports, manufacturers' information, regulations and official guidance associated with protecting work areas.
2 Know how to comply with relevant legislation and official guidance when establishing work area protection and safety.	2.1 Describe their responsibilities under current legislation and official guidance whilst working: – in the workplace, below ground level, unconfined spaces, at height, with tools and equipment, with materials and substances, with movement/storage of materials and 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 State what the accident reporting procedures are and who is responsible for making reports.
3 Maintain safe working practices when establishing work area protection and safety.	3.1 Use personal protective equipment (PPE) and access equipment (if applicable) safely to carry out the activity in accordance with legislation and organisational requirements when establishing work area protection and safety.

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

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| | 3.2 | Explain why, when and how personal protective equipment (PPE) should be used, relating to establishing work area protection and safety, 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 establish work area protection and safety. |
| | 4.1 | Describe the characteristics, quality, uses, limitations and defects associated with the resources in relation to: <ul style="list-style-type: none">– safety and security barriers– protection and safety notices– temporary structures– signs and lighting– hand and/or powered tools and equipment. |
| | 4.2 | Select resources associated with own work in relation to materials, components, fixings, tools and equipment. |
| | 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, length and area associated with the method/procedure to establish work area protection and safety. |
| 5 | | Minimise the risk of damage to the work and surrounding area when establishing work area protection and safety. |
| | 5.1 | Protect the work and its surrounding area from damage. |
| | 5.2 | Minimise damage and maintain a clean work space. |
| | 5.3 | Describe how to protect work from damage and the purpose of protection in relation to general |

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

		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 and official guidance.
6	Complete the work within the allocated time when establishing work area protection and safety.	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: – 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 establish work area protection and safety to the required specification	7.1 Demonstrate the following work skills when establishing work area protection and safety: – measuring, setting out, positioning, assembling, constructing, securing and dismantling. 7.2 Install, maintain and remove temporary protection and safety arrangements for the work area, to given working instruction, relating to barriers/temporary structures and one of the following: – protection and safety notices – safety lighting. 7.3 Describe how to apply safe 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 – install and maintain the protection and safety equipment – dismantle and remove protection and safety equipment

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- install safety notices
- install lighting systems
- 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 establishing work area protection and safety.

7.6 Describe how to maintain the tools and equipment used when establishing work area protection and safety.

Unit A/503/1170

Conforming to General Health, Safety and Welfare in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - 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.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
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

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- methods of receiving or sourcing information
 - reporting
 - stopping work
 - evacuation
 - fire risks and safe exit procedures
 - consultation and feedback.
- 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.

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- 5.2 State how security arrangements are implemented in relation to the workplace, the general public, site personnel and resources.

Unit J/503/1169

Conforming to Productive Working Practices in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - 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.

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

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| | 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 relationships, in relation to: <ul style="list-style-type: none">– individuals– customer 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. |

Unit R/601/7317

Providing for and Maintaining the Security of the Work and Environment Surrounding the Drilling Area in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information and requirements relating to the protection and safety of the work and environment surrounding the drilling area.	1.1 Interpret and extract information from work instructions, specifications, technical drawings, plans, method statements, schedules, site inspections and manufacturers' information to accurately identify the location and extent of the work activity. 1.2 State the approved procedures and practices relevant to the operations, work activity and workplace environment, relating to: - organisational - regulatory - emergency - operational. 1.3 Describe different types of information relating to the protection and safety requirements, and how they are interpreted, in relation to: - work instructions, specifications, technical drawings, plans, method statements, schedules, site inspections, manufacturers' information and regulations governing buildings. 1.4 Carry out an appropriate inspection of the work environment and assess the protection and safety requirements of the work activity. 1.5 Identify and plan requirements for the access routes and safety zones in accordance with approved procedures and practices. 1.6 Select the appropriate plan to make satisfactory provision for access and movement of personnel, vehicles and plant within and around the confines of the safety zones and working area. 1.7 Describe how to deal with the movement of personnel, vehicles and plant within and around

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- 2 Establish and maintain the protection and safety of the work and environment surrounding the drilling area.
- the confines of the safety zones and working area.
- 2.1 Identify and confirm the resources that meet the planned protection and safety requirements in accordance with the operational and regulatory procedures, in relation to:
- materials, components and fixings
 - tools and equipment.
- 2.2 Set up protection and safety equipment in accordance with planned requirements and relevant approved procedures and practices, relating to protecting:
- resources
 - access routes
 - from intrusion
 - the ongoing work.
- 2.3 Describe the methods and procedures, relating to the area of work and materials used, to:
- plan for the protection and security of the work and surrounding environment
 - install and maintain the protection and security arrangements for the work area
 - set out protection and safety equipment
 - construct ramps
 - remove protection and security arrangements from the work area
 - use hand tools, power tools and ancillary equipment.
- 2.4 Construct temporary structures in accordance with approved procedures and practices.
- 2.5 Describe the different types of protection and safety equipment used when constructing temporary structures, relating to:
- security barriers
 - ramps
 - regulatory notices
 - temporary structures

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- signs and lighting
 - covered areas.
- 2.6 State the needs of other occupations and how to communicate within a team when contributing to the specified drilling programme.
- 2.7 Monitor and amend protection and safety arrangements as appropriate to the progress and changes in the work activity.
- 3 Maintain safe working practices when providing for and maintaining the security of the work and environment surrounding the drilling area.
 - 3.1 Use personal protective equipment (PPE) safely to carry out the work in accordance with approved procedures and practices and in compliance with current statutory requirements when providing for and maintaining the security of the work and environment surrounding the drilling area.
 - 3.2 Safely use and store tools and equipment.
 - 3.3 Describe how to care for the tools and equipment used when providing for and maintaining the security of the work and environment surrounding the drilling area.
 - 3.4 Describe their responsibilities under the current health and safety statutory regulations whilst working:
 - in the workplace, below ground level, at height, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.
 - 3.5 Refer any problems and/or conditions outside their level of responsibility arising from information, resources and methods of work to the appropriate authorised person.
- 4 Minimise the risk of damage to the work, surrounding area and environment when providing for and maintaining the security of
 - 4.1 Protect the work and its surrounding area from damage.
 - 4.2 Minimise damage and maintain a clean work space.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
the work and environment surrounding the drilling area.	4.3 Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions. 4.4 Dispose of waste in accordance with legislation. 4.5 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.
5 Dismantle and remove protection and safety arrangements from the work and environment surrounding the drilling area.	5.1 Dismantle and remove protection and safety arrangements in accordance with approved procedures and practices. 5.2 Describe the current statutory and regulatory requirements for removing protection and safety arrangements from the work area. 5.3 Confirm that the working area is left in a safe and orderly manner, and all equipment not being used is removed. 5.4 Return equipment to the correct storage location; return any damaged equipment for repair or disposal as appropriate and report any damages and shortfalls to the appropriate person(s). 5.5 Describe the organisational procedures relating to damaged equipment and shortfalls.

Unit Y/601/7318

Drilling and Completing Holes to the Drilling Specification Programme in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the work when drilling and completing holes to the drilling specification programme.	1.1 Interpret and extract information from the drilling specification, plans, drawings, sketches, symbols and manufacturers' information. 1.2 State the approved procedures and practices relevant to the operations, work activity and workplace environment, relating to: - organisational - regulatory - emergency - operational. 1.3 Describe different types of information, their source and how they are interpreted in relation to plans, drawings, sketches, symbols, terminology and manufacturers' information. 1.4 Describe the content of the drilling specification for the work to be carried out. 1.5 State the manufacturer's recommendations in relation to: - positioning and stabilising the drilling equipment - drill rig operations.
2 Determine the position of the hole(s) when drilling and completing holes to the drilling specification programme.	2.1 Determine the position of the hole(s) in compliance with the specification and in accordance with operational requirements. 2.2 Check that the drilling specification is accurate and appropriate to the designated area and drilling requirement. 2.3 Describe the correlation of plans with datum points.

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

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| | 2.4 | Check site conditions thoroughly in accordance with approved procedures and practices and report any variations to the appropriate person. |
| | 2.5 | Describe site conditions that could require a modification to the drilling specification. |
| | 2.6 | Describe how to determine the position and inclination of the hole(s) when using methods to measure, mark out and set out holes. |
| | 2.7 | Promptly clarify any ambiguities in the drilling specification with the appropriate person(s). |
| | 2.8 | Describe the effects of any errors in the positioning of the hole(s) and the acceptable tolerance limits for setting out holes. |
| 3 | | Maintain safe working practices when drilling and completing holes to the drilling specification programme. |
| | 3.1 | Use personal protective equipment (PPE) to carry out work safely and efficiently in accordance with approved procedures and practices, and in compliance with current statutory requirements when drilling and completing holes to the drilling specification programme. |
| | 3.2 | Comply with risk and/or COSHH assessments to avoid hazards when drilling and completing holes to the drilling specification programme. |
| | 3.3 | Explain why and when personal protective equipment (PPE) should be used, relating to drilling and completing holes to the drilling specification programme, and the types, purpose and limitations of each type. |
| | 3.4 | Describe their responsibilities under the current health and safety statutory requirements, whilst working:
- in the workplace, below ground level, at height, with tools and equipment, with materials and substances, with movement of materials and by manual handling and mechanical lifting. |
| | 3.5 | Safely use and store hand tools and/or portable power tools, machinery and ancillary equipment. |

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	3.6 Describe how to care for tools and equipment used when drilling and completing holes to the drilling specification programme. 3.7 Recognise adverse ground conditions and take appropriate action in accordance with operational requirements. 3.8 Describe the potential dangers and effects of adverse environmental, site and ground conditions when: - determining the position of the hole(s) - positioning and stabilising the drilling equipment - drilling the hole(s). 3.9 Refer any problems and/or conditions outside their level of responsibility to the appropriate authorised person.
4 Position and orientate the drilling rig to drill and complete holes to the drilling specification programme.	4.1 Check that the ground location and conditions for the drilling work is suitable and stable for the positioning and orientation of the rig. 4.2 Accurately position and stabilise the drilling rig at the specified location of the hole in compliance with the specification, and in accordance with approved procedures and practices. 4.3 Describe how to check that the ground conditions for the drilling work is suitable and stable for the position and orientation of the drilling rig. 4.4 Set the drill accurately at the specified inclination and direction in compliance with the drilling specification. 4.5 Describe the types and uses of devices for measuring the angle and direction of drilling.
5 Drill holes to the drilling specification programme.	5.1 Drill holes in the ground to the required depths and angles as specified in the drilling specification using all or any of the following standard or specialist items:

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- tripod
 - cable percussion
 - rotary
 - dynamic sampling
 - rotary percussive
 - vibration.
- 5.2 Describe the different types of drilling action and varying feed requirement.
- 5.3 Describe the different types of tools and equipment and the different types of techniques and procedures used when drilling holes to the drilling specification.
- 5.4 Check gauges, monitoring and warning devices, constantly and accurately, and take prompt appropriate action when required.
- 5.5 Describe the drilling equipment gauges, monitoring and warning devices used when drilling holes to the drilling specification and explain why they should be constantly checked for accuracy.
- 5.6 Identify, isolate and immobilise any faulty drilling equipment and components and report faults to the appropriate person.
- 5.7 Describe the wear, tolerance and clearance requirements in relation to all in-hole drilling equipment.
- 5.8 Identify and record in the driller's log any changes in the condition and strata of the hole.
- 6 Minimise the risk of damage to the work, surrounding area, environment and equipment when drilling and completing holes to the drilling specification programme.
- 6.1 Protect the work and its surrounding area from damage.
- 6.2 Minimise damage and maintain a clean work space.
- 6.3 Describe how to protect work from damage and the purpose of protection in relation to general

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

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| | | workplace activities, other occupations and adverse weather conditions. |
| | 6.4 | Dispose of waste and carry out flushing activities in accordance with approved procedures and practices. |
| | 6.5 | State why the disposal of waste should be carried out in relation to the work. |
| | 6.6 | Describe the actions and equipment that are required to efficiently remove cuttings. |
| 7 | Complete the hole(s) to the drilling specification programme. | |
| | 7.1 | Demonstrate and confirm that the hole(s) is completed to the required specification, operation is concluded and plant/equipment is shut-down in accordance with instructions and operational requirements. |
| | 7.2 | Describe the methods used to verify that a drilled hole meets the required specification. |
| | 7.3 | Describe how to identify and deal with any faults and defects in plant and equipment. |
| | 7.4 | Describe the documentation required and how it should be completed following completion of the work. |
| | 7.5 | State the given instructions for completing and handing over the work site. |
| | 7.6 | Maintain records of the work carried out in accordance with organisational procedures and requirements. |

Unit A/600/8157

Reinstating Ground Condition in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the work and resources when reinstating ground condition.	1.1 Interpret and extract information from drawings, specifications, schedules and manufacturers' information. 1.2 Comply with information and/or instructions derived from risk assessments and method statement. 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, schedules and manufacturers' information.
2 Know how to comply with relevant legislation and official guidance when reinstating ground condition.	2.1 Describe their responsibilities under current legislation and official guidance whilst working: – in the workplace, below ground level, with tools and equipment, with materials and substances, with movement/storage of materials and 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 State what the accident reporting procedures are and who is responsible for making reports.
3 Maintain safe working practices when reinstating ground condition.	3.1 Use personal protective equipment (PPE) safely to carry out the activity in accordance with legislation and organisational requirements when reinstating ground condition. 3.2 Explain why and when personal protective equipment (PPE) should be used, relating to

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

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| | | reinstating ground condition, 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 reinstate ground condition. | |
| | 4.1 | Describe the characteristics, quality, uses, limitations and defects associated with the resources in relation to:
– flags, blocks, edging, aggregates, cement, black top, top soil, seeds
– hand and/or powered tools and equipment. |
| | 4.2 | Select resources associated with own work in relation to materials, components, fixings, tools and equipment. |
| | 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 area associated with the method/procedure to reinstate ground condition. |
| 5 | Minimise the risk of damage to the work and surrounding area when reinstating ground condition. | |
| | 5.1 | Protect the work and its surrounding area from damage. |
| | 5.2 | Minimise damage and maintain a clean work space. |
| | 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. |

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	5.5 State why the disposal of waste should be carried out in relation to the work.
6 Complete the work within the allocated time when reinstating ground condition.	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: – 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 reinstate ground condition to the required specification.	7.1 Demonstrate the following work skills when reinstating ground condition: – measuring, marking out, laying, bedding, positioning, securing and finishing. 7.2 Reinstate ground conditions to contractor's working instructions for at least two of the following: – flag – block – concrete – black top surfaces – cultivated and grassed areas. 7.3 Describe how to apply safe work practices, follow procedures, report problems and establish the authority needed to rectify them, to: – place and compact sub-grade and sub-base – form levels – reinstate hard landscaping of flag, block, concrete and black top surfaces – reinstate cultivated and grassed areas – use hand tools, power tools and equipment. 7.4 Safely use and store hand tools, portable power tools and ancillary equipment.

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- 7.5 State the needs of other occupations and how to communicate within a team when reinstating ground condition.
- 7.6 Describe how to maintain the tools and equipment used when reinstating ground condition.

Unit J/600/7111

Carrying Out Checks and/or Basic Maintenance on Plant or Machinery in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Work safely at all times when carrying out checks and/or basic maintenance on plant or machinery.	1.1 Comply with current legislation, Approved Codes of Practice and organisational procedures.
	1.2 Use personal protective equipment (PPE) safely to carry out the activity in accordance with legislation and organisational requirements when carrying out checks and/or basic maintenance on plant or machinery.
	1.3 Explain why and when personal protective equipment (PPE) should be used, relating to the carrying out of checks and/or basic maintenance on plant or machinery, and the types, purpose and limitations of each type.
	1.4 Safely use, store and secure hand tools and ancillary equipment.
2 Know how to comply with relevant health and safety legislation and official guidance when carrying out checks and/or basic maintenance on plant or machinery.	2.1 Describe their responsibilities under current legislation and official guidance whilst working: – in the workplace, below ground level, at height, with tools, plant or machinery and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.
	2.2 Describe the reasons for devising and complying with risk and COSHH assessments and how this can encourage safe working practices.
	2.3 Describe the organisational security procedures for tools, equipment and personal belongings.
	2.4 State what the accident reporting procedures are and who is responsible for making reports.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
3 Follow the relevant maintenance schedules for the required work when carrying out checks and/or basic maintenance on plant or machinery.	2.5 State how hazards and emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards.
	3.1 Interpret and extract information from specifications, schedules, organisational procedures and manufacturers' information relating to the work being carried out.
	3.2 State the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
	3.3 Describe different types of checks and maintenance information, their source and how they are interpreted in relation to: – specifications, schedules, manufacturers' information and organisational procedures. 3.4 Describe the organisational procedures to solve problems with the information and why it is important they are followed.
4 Carry out checks and/or basic maintenance activities within the limits of their personal authority in the specified sequence and agreed time scale.	4.1 Demonstrate the following work skills when carrying out checks and/or basic maintenance on plant or machinery: – replenishing, replacing, applying, lubricating, cleaning and securing.
	4.2 Carry out operator checks and/or basic maintenance tasks on standard or specialised plant or machinery to given working instructions as directed by the employer/ supervisor or authorised person.
	4.3 Describe how to follow maintenance authorisation, apply safe work practices, follow procedures, report problems and establish the authority and responsibility needed to:

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	– clean and prepare areas and components for maintenance – replenish fuels, lubricants, fluids and coolants – replace parts – recycle components – fit fastening systems, pins, bolts, nuts, washers and consumable items – complete functional checks in accordance with equipment operating and care and control procedures – complete reports and records – use hand tools and ancillary equipment. 4.4 Complete the checks and/or basic maintenance activities within the estimated allocated time and to the required standards and accuracy. 4.5 State the needs of other occupations and how to communicate within a team when carrying out checks and/or basic maintenance on plant or machinery. 4.6 Describe how maintain the tools and equipment used when carrying out checks and/or basic maintenance on plant or machinery.
5 Report any instances where the maintenance activities cannot be fully met or where there are identified defects outside the planned schedule when carrying out checks and/or basic maintenance on plant or machinery.	5.1 Report problems and defects beyond their area of responsibility. 5.2 Describe the different ways that problems with maintenance procedures and problems associated with resources can be reported.
6 Complete relevant maintenance records accurately and pass them on to the appropriate person when carrying out checks and/or basic maintenance on plant or machinery.	6.1 Record and report maintenance tasks in accordance with organisational procedures and manufacturer's requirements. 6.2 State the procedure to complete checks and maintenance records and what the reporting lines and procedures are within the organisation.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
7 Dispose of waste materials in accordance with safe working practices and approved procedures when carrying out checks and/or basic maintenance on plant or machinery.	7.1 Protect the work and its surrounding area from damage. 7.2 Minimise damage and maintain a clean work space. 7.3 Dispose of waste in accordance with legislation. 7.4 Describe what the waste disposal procedures are, and how and why the disposal of waste should be carried out safely and how it is achieved.

Unit D/600/8099

Preparing and Operating Specialised Powered Tools and Equipment in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the preparation and use of powered tools and/or equipment.	1.1 Interpret and extract information from drawings, specifications, risk assessments, method statements, legislation, codes of practice, operating instructions and 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, risk assessments, method statements, legislation, codes of practice, manufacturers' information and instructions applicable to powered tool operations.
2 Know how to comply with relevant legislation and official guidance to prepare and use powered tools and/or equipment.	2.1 Describe their responsibilities under current legislation and official guidance whilst working: – in the workplace, below ground level, at height, with tools and equipment, with materials and substances, with movement/storage of materials and 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.
3 Maintain safe working practices when preparing for	2.3 State what the accident reporting procedures are and who is responsible for making reports. 3.1 Use personal protective equipment (PPE) to safely carry out the activity in accordance with legislation

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
and using powered tools and/or equipment.	and organisational requirements when using powered tools and/or equipment.
	3.2 Explain why and when personal protective equipment (PPE) should be used, when using powered tools and/or equipment, 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 Request and select the required quantity and quality of resources to prepare for sustain powered tools and/or equipment.	4.1 Request and select resources associated with the type of work in relation to fuel, power source, lubricants and consumables. 4.2 Outline the organisational procedures for requisitioning consumables and other resources and why they have been developed and how they are used. 4.3 Outline potential hazards associated with the resources and method of work and how they are overcome.
5 Minimise the risk of damage to the work and surrounding area when using powered tools and/or equipment.	5.1 Protect the work and its surrounding area from damage. 5.2 Minimise damage and maintain a clean work space. 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 relation to the work.
6 Carry out-pre-use preparation inspections on powered tools and/or	6.1 Demonstrate the following work skills when preparing for and using powered tools and/or equipment for the work:

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
equipment in accordance with given procedures.	– measuring, aligning, assembling, fitting, levelling, positioning, checking, securing, connecting and adjusting. 6.2 Prepare power unit tool(s) and/or ancillary equipment in the workplace to given working instructions. 6.3 Use and maintain power units, tools and ancillary equipment applicable to the work. 6.4 Describe the method of work for pre-use checks needed and the preparation required before using and operating powered tools and/or equipment.
7 Operate powered tools and/or equipment in accordance with safe working practices to achieve the working outcome.	7.1 Demonstrate the following work skills when using powered tools and/or equipment: – measuring, aligning, assembling, fitting, levelling, positioning, checking, securing, connecting and adjusting. 7.2 Operate and monitor power unit tool(s) and associated equipment in the workplace to given working instructions relating to continual running, closing down and cleaning. 7.3 Return powered tools and/or equipment to a safe operational condition on completion of work. 7.4 Describe how to apply safe work practices, follow procedures, report problems and establish authority needed to rectify, to: – prepare, position and set up for work – secure accessories and tool attachments – carry out pre-use checks to manufacturers and supplier’s information/procedures – operate, use and control – monitor and maintain – close down and secure – disassemble – transport and/or secure.

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- 7.5 State the needs of other occupations and how to communicate within a team when preparing for and using powered tools and/or equipment.
- 7.6 Disassemble power units, tools and ancillary equipment following completion of work.

Unit L/600/8101

Setting Out Secondary Dimensional Work Control in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to setting out dimensional control of the work.	1.1 Interpret and extract information from drawings, method statements, specifications, schedules manufacturers' information and reference point. 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, schedules, method statements, manufacturers' information, reference points and regulations governing buildings and construction work.
2 Know how to comply with relevant legislation and official guidance to set out dimensional control of the work.	2.1 Describe their responsibilities under current legislation and official guidance whilst working: – in the workplace, below ground level, at height, with tools and equipment, with materials and substances, with movement/storage of materials and 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 State what the accident reporting procedures are and who is responsible for making reports.
3 Maintain safe working practices when setting out	3.1 Use personal protective equipment (PPE) to safely carry out the activity in accordance with legislation

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
dimensional control of the work.	and organisational requirements during setting out dimensional control of the work. 3.2 Explain why and when personal protective equipment (PPE) should be used, relating to setting out dimensional control of the work, 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 to set out dimensional control of the work.	4.1 Describe the characteristics, quality, uses, limitations and defects associated with the resources, and how they should be used correctly, relating to: – measuring tools and equipment – marking equipment – level and alignment tools. 4.2 Select resources associated with the work in relation to measuring tools and instruments, marking materials/components and tools and equipment. 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 of resources associated with the work methods.
5 Minimise the risk of damage to the work and surrounding	5.1 Protect the work and its surrounding area from damage.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
area when setting out dimensional control of the work.	5.2 Minimise damage and maintain a clean work space. 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 relation to the work.
6 Complete the work within the allocated time when setting out dimensional control of the work.	6.1 Demonstrate completion of the work within the allocated time. 6.2 State 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 lifting operation.
7 Comply with the given contract information to set out dimensional control of the work to the required specification.	7.1 Demonstrate the following work skills when setting out dimensional control of the work: – transferring, transposing, levelling, measuring, marking, positioning, fixing and securing. 7.2 Setting out dimensional control for the work to contractor's working instructions for any three of the following: – line – level – depth – area – height

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

– angle.

- 7.3 Describe how to apply safe work practices, follow procedures, report problems and establish authority needed to rectify, to:
- measure and set out secondary dimensional control for the work
 - measure, align and level to dimensional control requirements
 - transfer and set out line, angles and levels to dimensional control requirements
 - use hand tools and measuring and marking equipment
 - work at height
 - use access equipment.
- 7.4 Describe how to calculate height, depth, angle, length and area associated with the method/procedures to set out dimensional control of the work.
- 7.5 Safely use and store hand tools and ancillary equipment.
- 7.6 State the needs of other occupations and how to communicate within a team when setting out dimensional control of the work.
- 7.7 Describe how to maintain the tools and equipment used to set out dimensional control of the work.

Unit R/600/8102

Slings and Signalling the Movement of Loads _Secondary Role_ in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the preparation for and the slinging and signalling of loads.	1.1 Interpret and extract information from drawings, specifications, schedules, method statements and 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, schedules, method statements, manufacturers' information, approved procedures and Codes of Practice.
2 Organise with others the sequence and operation in which the slinging and signalling of loads is 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 State how to organise resources prior to and when slinging and signalling of loads.
3 Know how to comply with relevant legislation and official guidance to carry out slinging and signalling of loads.	3.1 Describe their responsibilities under current legislation and official guidance whilst working: – in the workplace, below ground level, at height, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	3.2 Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative. 3.3 State what the accident reporting procedures are and who is responsible for making reports.
4 Maintain safe working practices when preparing for and slinging and signalling loads.	4.1 Use personal protective equipment (PPE) to safely carry out the activity in accordance with legislation and organisational requirements when slinging and signalling of loads. 4.2 Explain why and when personal protective equipment (PPE) should be used, relating to slinging and signalling of loads, and the types, purpose and limitations of each type. 4.3 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.
5 Select the required quantity and quality of resources to prepare for and when slinging and signalling loads.	5.1 Describe the characteristics, quality, uses, limitations and defects associated with the resources, and how they should be used correctly, relating to: – lifting accessories – signalling and communication equipment – hand tools and ancillary equipment. 5.2 Select resources associated with slinging/signalling in relation to hand tools, attachments, slinging equipment, lifting aids/accessories, signalling and communication equipment. 5.3 State how the resources should be used correctly, how problems associated with the resources are reported and how the organisational procedures are used. 5.4 Outline potential hazards associated with the resources and method of work.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	5.5 Describe how to calculate weight, bearing pressure, quantity, length and area associated with the method/procedures to carry out slinging/signalling.
6 Minimise the risk of damage to the work and surrounding area when slinging and signalling loads.	6.1 Protect the work and its surrounding area from damage. 6.2 Minimise damage and maintain a clean work space. 6.3 Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions. 6.4 Dispose of waste in accordance with legislation. 6.5 State why the disposal of waste should be carried out safely in relation to the work.
7 Complete the work within the allocated time when preparing to and slinging and signalling loads.	7.1 Demonstrate completion of the work within the allocated time. 7.2 State 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 lifting operation.
8 Comply with the given contract information to prepare to and sling and signal loads for movement to the required specification.	8.1 Demonstrate the following work skills when preparing to and slinging and signalling loads: – measuring, gauging, estimating, fitting, fixing, testing, balancing, interpreting, judging, explaining, preparing, indicating, informing, instructing, signing, positioning, adjusting, configuring, moving, securing, signalling, relaying and removing. 8.2 Prepare to and attach loads to lifting equipment, and guide loads using signals to the required destination to given working instructions using appropriate load securing methods and lifting accessories.

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- 8.3 Describe how to apply safe work practices, follow procedures, report problems and establish authority needed to rectify, to:
- confirm method of communication
 - determine the method of slinging
 - select and use suitable slinging equipment/lifting accessories
 - sling loads securely and balance within correct weight distribution following agreed/recognised operational procedures
 - position loads safely and securely
 - remove and store lifting accessories
 - use hand tools, ancillary equipment and accessories.
- 8.4 Safely use and store hand tools and slinging, signalling, communication and ancillary equipment.
- 8.5 State the needs of other occupations and how to communicate within a team when preparing to and slinging and signalling loads.
- 8.6 Describe how to maintain the tools and equipment used to sling and signal loads.

Unit L/601/7316

Receiving and Organising Materials and Equipment for the Drilling Activity in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information when receiving and organising materials and equipment for the drilling activity.	1.1 Interpret and extract information from instructions, plans and specifications. 1.2 State the approved procedures and practices relevant to the operations, work activity and workplace environment, relating to: - organisational - regulatory - emergency - operational. 1.3 Describe the different types of information and how they are interpreted in relation to instructions, plans and specifications.
2 Receive materials and equipment to carry out the work requirement when receiving and organising materials and equipment for the drilling activity.	2.1 Confirm that the materials and equipment received are complete against the documentation and operational requirements. 2.2 Describe the different types of equipment and materials used for the drilling activity and those that require special storage and handling techniques. 2.3 Check and confirm that the condition of the materials and equipment are acceptable and meet the operational requirements. 2.4 Describe the procedures used when dealing with any discrepancies/damaged equipment and materials. 2.5 Identify, record and report any discrepancies/damaged equipment and materials to the appropriate person(s).

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	2.6 Maintain records of the materials and equipment received in accordance with operational and organisational requirements. 2.7 State the common symbols and markings used on the packaging of materials and equipment and the relevance of use by dates. 2.8 Describe how to calculate materials and equipment requirements and the implications if calculations are not carried out accurately.
3 Maintain safe working practices when receiving and organising materials and equipment for the drilling activity.	3.1 Carry out work in accordance with approved procedures and practices and in compliance with current statutory requirements. 3.2 Describe the implications of the legislative requirements relevant to the Environmental Protection Act and the reasons for observing environmental considerations. 3.3 Refer any problems and/or conditions outside their level of responsibility to the appropriate authorised person. 3.4 Describe their responsibilities under the current health and safety statutory requirements.
4 Minimise the risk of damage to the work, surrounding area and environment when receiving and organising materials and equipment for the drilling activity.	4.1 Minimise damage to materials, equipment and the built and natural environment by handling and storing materials and equipment appropriately. 4.2 Maintain a tidy work area in accordance with operational and organisational requirements.
5 Comply with the work requirements when moving and	5.1 Safely and securely move materials and equipment to their designated locations in

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
organising materials and equipment for the drilling activity.	accordance with the work and operational requirements.
	5.2 Describe the different types of materials and components relevant to the operations and work activity.
	5.3 Describe the methods used to transfer and store materials and equipment relevant to the operations and work activity.
	5.4 Effectively co-ordinate the movement and organisation of materials and equipment in conjunction with all personnel involved in the work activity.
	5.5 Explain the reasons for observing environmental considerations.

Unit L/600/7868

Preparing and Operating Overhead Cranes to Lift and Transfer Loads in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the use of overhead cranes to lift, transfer and place loads.	1.1 Interpret and extract information from drawings, specifications, schedules and 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, schedules, manufacturers' information, method statements and regulations and guidance applicable to overhead crane operations.
2 Organise with others the sequence and operation in which lifting operations using overhead cranes 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 State how to organise resources prior to and during lifting operations with overhead cranes.
3 Know how to comply with relevant legislation and official guidance when carrying out lifting operations.	3.1 Describe their responsibilities under current legislation and official guidance whilst working: – in the workplace, below ground level, at height, in confined spaces, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	3.2 Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative. 3.3 State what the accident reporting procedures are and who is responsible for making reports.
4 Maintain safe working practices when preparing for and carrying out lifting operations using overhead cranes.	4.1 Use personal protective equipment (PPE) to safely carry out the activity in accordance with legislation and organisational requirements during lifting operations. 4.2 Explain why and when personal protective equipment (PPE) should be used, relating to overhead crane use, and the types, purpose and limitations of each type. 4.3 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.
5 Request and select the required quantity and quality of resources to prepare for and carry out lifting operations using overhead cranes.	5.1 Describe the characteristics, quality, uses, limitations and defects associated with the resources, and how they should be used correctly, relating to: – consumables, lubricants and fuels – attachments and lifting aids – hand tools, ancillary equipment and/or accessories. 5.2 Request and select resources associated with overhead cranes in relation to consumables, materials, attachments, tools, accessories and/or ancillary equipment. 5.3 State how the resources should be used correctly, how problems associated with the resources are reported and how the organisational procedures are used. 5.4 Outline potential hazards associated with the resources and method of work.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	5.5 Describe how to calculate weight, bearing pressure, length and area associated with the method/procedures to carry out lifting operations with overhead cranes.
6 Minimise the risk of damage to the work and surrounding area when lifting and transferring loads.	6.1 Protect the work and its surrounding area from damage. 6.2 Minimise damage and maintain a clean work space. 6.3 Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions. 6.4 Dispose of waste in accordance with legislation. 6.5 State why the disposal of waste should be carried out safely in relation to the work.
7 Complete the work within the allocated time when preparing to and lifting and transferring loads.	7.1 Demonstrate completion of the work within the allocated time. 7.2 Shut down and secure overhead cranes. 7.3 State 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 lifting operation.
8 Comply with the given contract information to lift, transfer and place loads using overhead cranes to the required specification.	8.1 Demonstrate the following work skills when preparing for, lifting, transferring and placing loads using overhead cranes:
	– fitting, attaching, setting up, securing, adjusting, checking, removing, communicating, operating, manoeuvring, positioning, lifting, transferring and setting down.

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- 8.2 Prepare, set up and operate overhead cranes to lift, transfer and place a variety of loads in the workplace, to given working instructions.
- 8.3 Describe how to apply safe work practices, follow procedures, report problems and establish authority needed to rectify, to:
- identify the characteristics of the crane for the lifting operation
 - carry out performance checks
 - prepare, set up and adjust for operational requirements
 - complete functional checks
 - carry out pre-operational checks for obstructions, stability, safety and security of the work and surrounding area
 - operate and move (where applicable) the crane
 - identify characteristics, type, weight and positioning of loads for lifting and transferring
 - secure and balance loads for lifting
 - lift, remove and transfer loads
 - position, place and set down loads
 - confirm load stability and security
 - shut down the crane
 - use hand tools, ancillary equipment and accessories.
- 8.4 Safely use and store hand tools and ancillary equipment.
- 8.5 State the needs of other occupations and how to communicate within a team when preparing for and lifting and transferring loads.
- 8.6 Describe how to maintain the plant, tools and equipment used to lift and transfer loads.

Unit D/600/7874

Preparing and Operating Excavator Cranes to Lift and Transfer Loads in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the use of excavator cranes to lift, transfer and place loads.	1.1 Interpret and extract information from drawings, specifications, schedules and 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, schedules, manufacturers' information, method statements and regulations and guidance applicable to excavator crane operations.
2 Organise with others the sequence and operation in which lifting operations using excavator cranes 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 State how to organise resources prior to and during lifting operations with excavator cranes.
3 Know how to comply with relevant legislation and official guidance when carrying out lifting operations.	3.1 Describe their responsibilities under current legislation and official guidance whilst working: – in the workplace, below ground level, at height, in confined spaces, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	3.2 Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative. 3.3 State what the accident reporting procedures are and who is responsible for making reports.
4 Maintain safe working practices when preparing for and carrying out lifting operations using excavator cranes.	4.1 Use personal protective equipment (PPE) to safely carry out the activity in accordance with legislation and organisational requirements during lifting operations. 4.2 Explain why and when personal protective equipment (PPE) should be used, relating to excavator crane use, and the types, purpose and limitations of each type. 4.3 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.
5 Request and select the required quantity and quality of resources to prepare for and carry out lifting operations using excavator cranes.	5.1 Describe the characteristics, quality, uses, limitations and defects associated with the resources, and how they should be used correctly, relating to: – consumables, lubricants and fuels – attachments and lifting aids – hand tools, ancillary equipment and/or accessories. 5.2 Request and select resources associated with excavator cranes in relation to consumables, materials, attachments, tools, accessories and/or ancillary equipment. 5.3 State how the resources should be used correctly, how problems associated with the resources are reported and how the organisational procedures are used. 5.4 Outline potential hazards associated with the resources and method of work.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	5.5 Describe how to calculate weight, bearing pressure, length and area associated with the method/procedures to carry out lifting operations with excavator cranes.
6 Minimise the risk of damage to the work and surrounding area when lifting and transferring loads.	6.1 Protect the work and its surrounding area from damage. 6.2 Minimise damage and maintain a clean work space. 6.3 Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions. 6.4 Dispose of waste in accordance with legislation. 6.5 State why the disposal of waste should be carried out safely in relation to the work.
7 Complete the work within the allocated time when preparing to and lifting and transferring loads.	7.1 Demonstrate completion of the work within the allocated time. 7.2 Shut down and secure excavator cranes. 7.3 State 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 lifting operation.
8 Comply with the given contract information to lift, transfer and place loads using excavator cranes to the required specification.	8.1 Demonstrate the following work skills when preparing for, lifting, transferring and placing loads using excavator cranes: – fitting, attaching, setting up, securing, adjusting, checking, removing, communicating, operating, manoeuvring, positioning, lifting, transferring and setting down. 8.2 Prepare, set up and operate excavator cranes to lift, transfer and place a variety of loads and/or

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

materials in the workplace, to given working instructions.

- 8.3 Describe how to apply safe work practices, follow procedures, report problems and establish authority needed to rectify, to:
- identify the characteristics of the crane for the lifting operation
 - carry out performance checks
 - prepare, set up and adjust for operational requirements
 - complete functional checks
 - carry out pre-operational checks for obstructions, stability, safety and security of the work and surrounding area
 - operate and move (where applicable) the crane
 - identify characteristics, type, weight and positioning of loads for lifting and transferring
 - secure and balance loads for lifting
 - lift, remove and transfer loads
 - position, place and set down loads
 - confirm load stability and security
 - shut down the crane
 - use hand tools, ancillary equipment and accessories.
- 8.4 Safely use and store hand tools and ancillary equipment.
- 8.5 State the needs of other occupations and how to communicate within a team when preparing for and lifting and transferring loads.
- 8.6 Describe how to maintain the plant, tools and equipment used to lift and transfer loads.

Unit H/600/7889

Preparing and Operating Rough Terrain Masted Forklifts to Lift and Transfer Loads in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the use of rough terrain masted forklifts to lift, transfer and place loads.	1.1 Interpret and extract information from drawings, specifications, schedules and 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, schedules, manufacturers' information, method statements and regulations and guidance applicable to rough terrain masted forklift operations.
2 Organise with others the sequence and operation in which rough terrain masted forklift operations 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 State how to organise resources prior to and during forklift operations.
3 Know how to comply with relevant legislation and official guidance when carrying out lifting and transferring loads	3.1 Describe their responsibilities under current legislation and official guidance whilst working: – in the workplace, below ground level, at height, in confined spaces, with tools and equipment, with materials and substances, with

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
with rough terrain masted forklifts.	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 and operative. 3.3 State what the accident reporting procedures are and who is responsible for making reports.
4 Maintain safe working practices when preparing for and carrying out forklift operations with rough terrain masted types.	4.1 Use personal protective equipment (PPE) to safely carry out the activity in accordance with legislation and organisational requirements during rough terrain masted forklift operations. 4.2 Explain why and when personal protective equipment (PPE) should be used, relating to rough terrain masted forklift use, and the types, purpose and limitations of each type. 4.3 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.
5 Request and select the required quantity and quality of resources to prepare for and carry out forklift operations with rough terrain masted types.	5.1 Describe the characteristics, quality, uses, limitations and defects associated with the resources, and how they should be used correctly, relating to: – consumables, lubricants and fuels – attachments and lifting aids – hand tools, ancillary equipment and/or accessories. 5.2 Request and select resources associated with rough terrain masted forklifts in relation to consumables, materials, attachments, tools, accessories and/or ancillary equipment. 5.3 State how the resources should be used correctly, how problems associated with the resources are reported and how the organisational procedures are used.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	5.4 Outline potential hazards associated with the resources and method of work. 5.5 Describe how to calculate weight, bearing pressure, length and area associated with the method/procedures to lift and transfer loads using rough terrain masted forklifts.
6 Minimise the risk of damage to the work and surrounding area when lifting and transferring loads.	6.1 Protect the work and its surrounding area from damage. 6.2 Minimise damage and maintain a clean work space. 6.3 Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions. 6.4 Dispose of waste in accordance with legislation. 6.5 State why the disposal of waste should be carried out safely in relation to the work.
7 Complete the work within the allocated time when preparing to and lifting and transferring loads.	7.1 Demonstrate completion of the work within the allocated time. 7.2 Shut down and secure rough terrain masted forklifts. 7.3 State 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 lifting operation.
8 Comply with the given contract information to lift, transfer and place loads using rough terrain masted forklifts to the required specification.	8.1 Demonstrate the following work skills when preparing for, lifting, transferring and placing loads using rough terrain masted forklifts: – fitting, attaching, setting up, securing, adjusting, checking, removing, communicating,

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

operating, manoeuvring, positioning, lifting, transferring and setting down.

- 8.2 Prepare and operate rough terrain masted forklift to lift, transfer and place a variety of loads in the workplace, to given working instructions.
- 8.3 Describe how to apply safe work practices, follow procedures, report problems and establish authority needed to rectify, to:
- identify the characteristics of the machine for the forklift operation
 - carry out performance checks
 - prepare, set up and adjust for operational requirements
 - complete functional checks
 - carry out pre-operational checks for obstructions, stability, safety and security of the work and surrounding area
 - operate and move the rough terrain masted forklift
 - identify characteristics, type, weight and positioning of loads for lifting and transferring
 - secure and balance loads for lifting
 - lift, remove and transfer loads
 - position, place and set down loads
 - confirm load stability and security
 - shut down the rough terrain masted forklift
 - use hand tools, ancillary equipment and accessories.
- 8.4 Safely use and store hand tools and ancillary equipment.
- 8.5 State the needs of other occupations and how to communicate within a team when preparing for and lifting and transferring loads.
- 8.6 Describe how to maintain the plant, tools and equipment used to lift and transfer loads.

Unit M/600/7894

Preparing and Operating Industrial Counterbalanced Forklifts to Lift and Transfer Loads in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the use of industrial counterbalanced forklifts to lift, transfer and place loads.	1.1 Interpret and extract information from drawings, specifications, schedules and 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, schedules, manufacturers' information, method statements and regulations and guidance applicable to industrial counterbalanced forklift operations.
2 Organise with others the sequence and operation in which industrial counterbalanced forklift operations 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 State how to organise resources prior to and during forklift operations.
3 Know how to comply with relevant legislation and official guidance when lifting and transferring loads with industrial counterbalanced forklifts.	3.1 Describe their responsibilities under current legislation and official guidance whilst working: – in the workplace, below ground level, at height, in confined spaces, with tools and equipment, with materials and substances,

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	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 and operative. 3.3 State what the accident reporting procedures are and who is responsible for making reports.
4 Maintain safe working practices when preparing for and carrying out forklift operations with industrial counterbalanced types.	4.1 Use personal protective equipment (PPE) to safely carry out the activity in accordance with legislation and organisational requirements during industrial counterbalanced forklift operations. 4.2 Explain why and when personal protective equipment (PPE) should be used, relating to industrial counterbalanced forklift use, and the types, purpose and limitations of each type. 4.3 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.
5 Request and select the required quantity and quality of resources to prepare for and carry out forklift operations with industrial counterbalanced types.	5.1 Describe the characteristics, quality, uses, limitations and defects associated with the resources, and how they should be used correctly, relating to: – consumables, lubricants and fuels – attachments and lifting aids – hand tools, ancillary equipment and/or accessories. 5.2 Request and select resources associated with industrial counterbalanced forklifts in relation to consumables, materials, attachments, tools, accessories and/or ancillary equipment. 5.3 State how the resources should be used correctly, how problems associated with the

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	resources are reported and how the organisational procedures are used. 5.4 Outline potential hazards associated with the resources and method of work. 5.5 Describe how to calculate weight, length and area associated with the method/procedures to lift and transfer loads using industrial counterbalanced forklifts.
6 Minimise the risk of damage to the work and surrounding area when lifting and transferring loads.	6.1 Protect the work and its surrounding area from damage. 6.2 Minimise damage and maintain a clean work space. 6.3 Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions. 6.4 Dispose of waste in accordance with legislation. 6.5 State why the disposal of waste should be carried out safely in relation to the work.
7 Complete the work within the allocated time when preparing to and lifting and transferring loads.	7.1 Demonstrate completion of the work within the allocated time. 7.2 Shut down and secure industrial counterbalanced forklifts. 7.3 State 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 lifting operation.
8 Comply with the given contract information to lift, transfer and	8.1 Demonstrate the following work skills when preparing for, lifting, transferring and placing

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
place loads using industrial counterbalanced forklifts to the required specification.	loads with industrial counterbalanced forklifts: – fitting, attaching, setting up, securing, adjusting, checking, removing, communicating, operating, manoeuvring, positioning, lifting, transferring and setting down.
	8.2 Prepare and operate industrial counterbalanced forklift to lift, transfer and place a variety of loads in the workplace, to given working instructions.
	8.3 Describe how to apply safe work practices, follow procedures, report problems and establish authority needed to rectify, to: – identify the characteristics of the machine for the forklift operation – carry out performance checks – prepare, set up and adjust for operational requirements – complete functional checks – carry out pre-operational checks for obstructions, stability, safety and security of the work and surrounding area – operate and move the industrial counterbalanced forklift – identify characteristics, type, weight and positioning of loads for lifting and transferring – secure and balance loads for lifting – lift, remove and transfer loads – position, place and set down loads – confirm load stability and security – shut down the industrial counterbalanced forklift – use hand tools, ancillary equipment and accessories.
	8.4 Safely use and store hand tools and ancillary equipment.
	8.5 State the needs of other occupations and how to communicate within a team when

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	preparing for and lifting and transferring loads.
8.6	Describe how to maintain the plant, tools and equipment used to lift and transfer loads.

Unit L/600/7899

Preparing and Operating Sideloader Forklifts to Lift and Transfer Loads in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the use of sideloaders to lift, transfer and place loads.	1.1 Interpret and extract information from drawings, specifications, schedules and 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, schedules, manufacturers' information, method statements and regulations and guidance applicable to sideloader operations.
2 Organise with others the sequence and operation in which sideloader operations 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 State how to organise resources prior to and during forklift operations.
3 Know how to comply with relevant legislation and official guidance when lifting and transferring loads with sideloaders.	3.1 Describe their responsibilities under current legislation and official guidance whilst working: – in the workplace, below ground level, at height, in confined spaces, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	3.2 Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative. 3.3 State what the accident reporting procedures are and who is responsible for making reports.
4 Maintain safe working practices when preparing for and carrying out forklift operations with sideloader types.	4.1 Use personal protective equipment (PPE) to safely carry out the activity in accordance with legislation and organisational requirements during sideloader operations. 4.2 Explain why and when personal protective equipment (PPE) should be used, relating to rough terrain masted forklift use, and the types, purpose and limitations of each type. 4.3 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.
5 Request and select the required quantity and quality of resources to prepare for and carry out forklift operations with sideloader types.	5.1 Describe the characteristics, quality, uses, limitations and defects associated with the resources, and how they should be used correctly, relating to: – consumables, lubricants and fuels – attachments and lifting aids – hand tools, ancillary equipment and/or accessories. 5.2 Request and select resources associated with sideloader forklifts in relation to consumables, materials, attachments, tools, accessories and/or ancillary equipment. 5.3 State how the resources should be used correctly, how problems associated with the resources are reported and how the organisational procedures are used. 5.4 Outline potential hazards associated with the resources and method of work.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	5.5 Describe how to calculate weight, length and area associated with the method/procedures to lift and transfer loads using sideloaders.
6 Minimise the risk of damage to the work and surrounding area when lifting and transferring loads.	6.1 Protect the work and its surrounding area from damage. 6.2 Minimise damage and maintain a clean work space. 6.3 Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions. 6.4 Dispose of waste in accordance with legislation. 6.5 State why the disposal of waste should be carried out safely in relation to the work.
7 Complete the work within the allocated time when preparing to and lifting and transferring loads.	7.1 Demonstrate completion of the work within the allocated time. 7.2 Shut down and secure sideloaders. 7.3 State 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 lifting operation.
8 Comply with the given contract information to lift, transfer and place loads using sideloaders to the required specification.	8.1 Demonstrate the following work skills when preparing for, lifting, transferring and placing loads using sideloaders: – fitting, attaching, setting up, securing, adjusting, checking, removing, communicating, operating, manoeuvring, positioning, lifting, transferring and setting down.

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- 8.2 Prepare and operate sideloaders to lift, transfer and place a variety of loads in the workplace, to given working instructions.
- 8.3 Describe how to apply safe work practices, follow procedures, report problems and establish authority needed to rectify, to:
- identify the characteristics of the machine for the forklift operation
 - carry out performance checks
 - prepare, set up and adjust for operational requirements
 - complete functional checks
 - carry out pre-operational checks for obstructions, stability, safety and security of the work and surrounding area
 - operate and move the sideloader
 - identify characteristics, type, weight and positioning of loads for lifting and transferring
 - secure and balance loads for lifting
 - lift, remove and transfer loads
 - position, place and set down loads
 - confirm load stability and security
 - shut down the sideloader
 - use hand tools, ancillary equipment and accessories.
- 8.4 Safely use and store hand tools and ancillary equipment.
- 8.5 State the needs of other occupations and how to communicate within a team when preparing for and lifting and transferring loads.
- 8.6 Describe how to maintain the plant, tools and equipment used to lift and transfer loads.

Unit A/600/7915

Preparing and Operating Telescopic Handlers to Lift and Transfer Loads in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the use of telescopic handlers to lift, transfer and place loads.	1.1 Interpret and extract information from drawings, specifications, schedules and 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, schedules, manufacturers' information, method statements and regulations and guidance applicable to telescopic handler operations.
2 Organise with others the sequence and operation in which telescopic handler's operations 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 State how to organise resources prior to and during telescopic handler operations.
3 Know how to comply with relevant legislation and official guidance when lifting and Transferring loads.	3.1 Describe their responsibilities under current legislation and official guidance whilst working: – in the workplace, below ground level, at height, in confined spaces, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- | | | |
|---|-----|--|
| | 3.2 | Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative. |
| | 3.3 | State what the accident reporting procedures are and who is responsible for making reports. |
| 4 | | Maintain safe working practices when preparing for and carrying out telescopic handler operations. |
| | 4.1 | Use personal protective equipment (PPE) to safely carry out the activity in accordance with legislation and organisational requirements during telescopic handler operations. |
| | 4.2 | Explain why and when personal protective equipment (PPE) should be used, relating to telescopic handler use, and the types, purpose and limitations of each type. |
| | 4.3 | 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. |
| 5 | | Request and select the required quantity and quality of resources to prepare for and carry out telescopic handler operations. |
| | 5.1 | Describe the characteristics, quality, uses, limitations and defects associated with the resources, and how they should be used correctly, relating to: <ul style="list-style-type: none">– consumables, lubricants and fuels– attachments and lifting aids– hand tools, ancillary equipment and/or accessories. |
| | 5.2 | Request and select resources associated with telescopic handlers in relation to consumables, materials, attachments, tools, accessories and/or ancillary equipment. |
| | 5.3 | State how the resources should be used correctly, how problems associated with the resources are reported and how the organisational procedures are used. |
| | 5.4 | Outline potential hazards associated with the resources and method of work. |

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	5.5 Describe how to calculate weight, length and area associated with the method/procedures to lift and transfer loads using telescopic handlers.
6 Minimise the risk of damage to the work and surrounding area when lifting and transferring loads.	6.1 Protect the work and its surrounding area from damage. 6.2 Minimise damage and maintain a clean work space. 6.3 Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions. 6.4 Dispose of waste in accordance with legislation. 6.5 State why the disposal of waste should be carried out safely in relation to the work.
7 Complete the work within the allocated time when preparing to and lifting and transferring loads.	7.1 Demonstrate completion of the work within the allocated time. 7.2 Shut down and secure telescopic handlers. 7.3 State 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 lifting operation.
8 Comply with the given contract information to lift, transfer and place loads using telescopic handlers to the required specification.	8.1 Demonstrate the following work skills when preparing for, lifting, transferring and placing loads using telescopic handlers: – fitting, attaching, setting up, securing, adjusting, checking, removing, communicating, operating, manoeuvring, positioning, lifting, transferring and setting down.

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- 8.2 Prepare, set up and operate telescopic handlers to lift, transfer and place a variety of loads in the workplace, to given working instructions.
- 8.3 Describe how to apply safe work practices, follow procedures, report problems and establish authority needed to rectify, to:
- identify the characteristics of the telescopic handler for the lifting operation
 - carry out performance checks
 - prepare, set up and adjust for operational requirements
 - complete functional checks
 - carry out pre-operational checks for obstructions, stability, safety and security of the work and surrounding area
 - operate and move the tele-handler
 - identify characteristics, type, weight and positioning of loads for lifting and transferring
 - secure and balance loads for lifting
 - lift, remove and transfer loads
 - position, place and set down loads
 - confirm load stability and security
 - shut down the tele-handler
 - use hand tools, ancillary equipment and accessories.
- 8.4 Safely use and store hand tools and ancillary equipment.
- 8.5 State the needs of other occupations and how to communicate within a team when preparing for and lifting and transferring loads.
- 8.6 Describe how to maintain the plant, tools and equipment used to lift and transfer loads.

Unit J/600/7917

Preparing and Operating Reach Trucks to Lift and Transfer Loads in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the use of reach trucks to lift, transfer and place loads.	1.1 Interpret and extract information from drawings, specifications, schedules and 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, schedules, manufacturers' information, method statements and regulations and guidance applicable to reach truck operations.
2 Organise with others the sequence and operation in which reach truck operations 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 State how to organise resources prior to and during forklift truck operations.
3 Know how to comply with relevant legislation and official guidance when lifting and transferring loads with reach trucks.	3.1 Describe their responsibilities under current legislation and official guidance whilst working: – in the workplace, below ground level, at height, in confined spaces, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	3.2 Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative. 3.3 State what the accident reporting procedures are and who is responsible for making reports.
4 Maintain safe working practices when preparing for and carrying out forklift operations with masted reach types.	4.1 Use personal protective equipment (PPE) to safely carry out the activity in accordance with legislation and organisational requirements during reach trucks operations. 4.2 Explain why and when personal protective equipment (PPE) should be used, relating to reach truck use, and the types, purpose and limitations of each type. 4.3 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.
5 Request and select the required quantity and quality of resources to prepare for and carry out forklift operations with masted reach types.	5.1 Describe the characteristics, quality, uses, limitations and defects associated with the resources, and how they should be used correctly, relating to: – consumables, lubricants and fuels – attachments and lifting aids – hand tools, ancillary equipment and/or accessories. 5.2 Request and select resources associated with reach trucks in relation to consumables, materials, attachments, tools, accessories and/or ancillary equipment. 5.3 State how the resources should be used correctly, how problems associated with the resources are reported and how the organisational procedures are used. 5.4 Outline potential hazards associated with the resources and method of work.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	5.5 Describe how to calculate weight, length and area associated with the method/procedures to carry, lift and transfer loads using reach trucks.
6 Minimise the risk of damage to the work and surrounding area when lifting and transferring loads.	6.1 Protect the work and its surrounding area from damage. 6.2 Minimise damage and maintain a clean work space. 6.3 Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions. 6.4 Dispose of waste in accordance with legislation. 6.5 State why the disposal of waste should be carried out safely in relation to the work.
7 Complete the work within the allocated time when preparing to and lifting and transferring loads.	7.1 Demonstrate completion of the work within the allocated time. 7.2 Shut down and secure reach trucks. 7.3 State 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 lifting operation.
8 Comply with the given contract information to lift, transfer and place loads using reach trucks to the required specification.	8.1 Demonstrate the following work skills when preparing for, lifting, transferring and placing loads using reach trucks: – fitting, attaching, setting up, securing, adjusting, checking, removing, communicating, operating, manoeuvring, positioning, lifting, transferring and setting down.

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- 8.2 Prepare, set up and operate reach trucks to lift, transfer and place a variety of loads in the workplace, to given working instructions.
- 8.3 Describe how to apply safe work practices, follow procedures, report problems and establish authority needed to rectify, to:
- identify the characteristics of the reach truck for the forklift operation
 - carry out performance checks
 - prepare, set up and adjust for operational requirements
 - complete functional checks
 - carry out pre-operational checks for obstructions, stability, safety and security of the work and surrounding area
 - operate and move the reach truck
 - identify characteristics, type, weight and positioning of loads for lifting and transferring
 - secure and balance loads for lifting and moving
 - lift, remove and transfer loads
 - position, place and set down loads
 - confirm load stability and security
 - shut down the reach truck
 - use hand tools, ancillary equipment and accessories.
- 8.4 Safely use and store hand tools and ancillary equipment.
- 8.5 State the needs of other occupations and how to communicate within a team when preparing for and lifting and transferring loads.
- 8.6 Describe how to maintain the plant, tools and equipment used to lift and transfer loads.

Unit J/600/7920

Preparing and Operating Lorry Loaders or Knuckle Boom Cranes to Lift and Transfer Loads in the Workplace

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
1	Interpret the given information relating to the use of lorry loaders/knuckle boom cranes to lift, transfer and place loads.	1.1	Interpret and extract information from drawings, specifications, schedules and 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, schedules, manufacturers' information, method statements and regulations and guidance applicable to lorry loader/knuckle boom crane operations.
2	Organise with others the sequence and operation in which lifting operations using lorry loaders/knuckle boom cranes 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	State how to organise resources prior to and during lifting operations with lorry loaders/knuckle boom cranes.
3	Know how to comply with relevant legislation and official guidance when carrying out lifting operations.	3.1	Describe their responsibilities under current legislation and official guidance whilst working: – in the workplace, below ground level, at height, in confined spaces, with tools and equipment, with materials and substances,

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	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 and operative. 3.3 State what the accident reporting procedures are and who is responsible for making reports.
4 Maintain safe working practices when preparing for and carrying out lifting operations using lorry loaders/knuckle boom cranes.	4.1 Use personal protective equipment (PPE) to safely carry out the activity in accordance with legislation and organisational requirements during lifting operations. 4.2 Explain why and when personal protective equipment (PPE) should be used, relating to lorry loader/knuckle boom crane use, and the types, purpose and limitations of each type. 4.3 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.
5 Request and select the required quantity and quality of resources to prepare for and carry out lifting operations using lorry loaders/knuckle boom cranes.	5.1 Describe the characteristics, quality, uses, limitations and defects associated with the resources, and how they should be used correctly, relating to: – consumables, lubricants and fuels – attachments and lifting aids – hand tools, ancillary equipment and/or accessories. 5.2 Request and select resources associated with lorry loaders/knuckle boom cranes in relation to consumables, materials, attachments, tools, accessories and/or ancillary equipment. 5.3 State how the resources should be used correctly, how problems associated with the resources are reported and how the organisational procedures are used.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	5.4 Outline potential hazards associated with the resources and method of work. 5.5 Describe how to calculate weight, bearing pressure, length and area associated with the method/procedures to carry out lifting operations with lorry loaders/knuckle boom cranes.
6 Minimise the risk of damage to the work and surrounding area when lifting and transferring loads.	6.1 Protect the work and its surrounding area from damage. 6.2 Minimise damage and maintain a clean work space. 6.3 Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions. 6.4 Dispose of waste in accordance with legislation. 6.5 State why the disposal of waste should be carried out safely in relation to the work.
7 Complete the work within the allocated time when preparing to and lifting and transferring loads.	7.1 Demonstrate completion of the work within the allocated time. 7.2 Shut down and secure lorry loader/knuckle boom crane. 7.3 State 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 lifting operation.
8 Comply with the given contract information to lift, transfer and place loads using lorry	8.1 Demonstrate the following work skills when preparing for, lifting, transferring and placing loads using lorry loaders/knuckle boom cranes:

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
loaders/knuckle boom cranes to the required specification.	– fitting, attaching, setting up, securing, adjusting, checking, removing, communicating, operating, manoeuvring, positioning, lifting, transferring and setting down.
8.2	Prepare, set up and operate lorry loaders/knuckle boom cranes to lift, transfer and place a variety of loads in the workplace, to given working instructions.
8.3	Describe how to apply safe work practices, follow procedures, report problems and establish authority needed to rectify, to: – identify the characteristics of the crane for the lifting operation – carry out performance checks – prepare, set up and adjust for operational requirements – complete functional checks – carry out pre-operational checks for obstructions, stability, safety and security of the work and surrounding area – operate and move (where applicable) the crane – identify characteristics, type, weight and positioning of loads for lifting and transferring – secure and balance loads for lifting – lift, remove and transfer loads – position, place and set down loads – confirm load stability and security – shut down the crane – use hand tools, ancillary equipment and accessories.
8.4	Safely use and store hand tools and ancillary equipment.
8.5	State the needs of other occupations and how to communicate within a team when preparing for and lifting and transferring loads.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
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| 8.6 | Describe how to maintain the plant, tools and equipment used to lift and transfer loads. |
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Unit T/600/7931

Preparing and Operating 180 degree Excavators to Extract and Excavate Ground and Loose Materials in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the use of 180 degree excavators to carry out extracting and excavating operations.	1.1 Interpret and extract information from drawings, specifications, schedules and 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, schedules, manufacturers' information, method statements and regulations and guidance applicable to extracting and excavating operations.
2 Organise with others the sequence and operation in which extracting and excavating operations using 180 degree excavators 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 State how to organise resources prior to and during extracting and excavating operations using 180 degree excavators.
3 Know how to comply with relevant legislation and official guidance to carry out extracting and excavating operations with 180 degree excavators.	3.1 Describe their responsibilities under current legislation and official guidance whilst working: – in the workplace, below ground level, at height, in confined spaces, with tools and equipment, with materials and substances, with

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	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 and operative. 3.3 State what the accident reporting procedures are and who is responsible for making reports.
4 Maintain safe working practices when preparing for and carrying out extracting and excavating operations using 180 degree excavators.	4.1 Use personal protective equipment (PPE) to safely carry out the activity in accordance with legislation and organisational requirements during extracting and excavating operations. 4.2 Explain why and when personal protective equipment (PPE) should be used, relating to extracting and excavating operations, and the types, purpose and limitations of each type. 4.3 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.
5 Request and select the required quantity and quality of resources to prepare for and carry out extracting and excavating operations using 180 degree excavators.	5.1 Describe the characteristics, quality, uses, limitations and defects associated with the resources, and how they should be used correctly, relating to: – consumables, lubricants and fuels – attachments and extraction/excavation aids – hand tools, ancillary equipment and/or accessories. 5.2 Request and select resources associated with 180 degree excavators in relation to consumables, materials, attachments, tools, accessories and/or ancillary equipment. 5.3 State how the resources should be used correctly, how problems associated with the resources are reported and how the organisational procedures are used.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	5.4 Outline potential hazards associated with the resources and method of work. 5.5 Describe how to calculate quantity, weight, length and area associated with the method/procedures to carry out extracting and excavating operations using 180 degree excavators.
6 Minimise the risk of damage to the work and surrounding area when extracting and excavating materials using 180 degree excavators.	6.1 Protect the work and its surrounding area from damage. 6.2 Minimise damage and maintain a clean work space. 6.3 Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions. 6.4 Dispose of waste in accordance with legislation. 6.5 State why the disposal of waste should be carried out safely in relation to the work.
7 Complete the work within the allocated time when preparing to and extracting and excavating materials using 180 degree excavators.	7.1 Demonstrate completion of the work within the allocated time. 7.2 Shut down and secure 180 degree excavators. 7.3 State 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 extract and excavate materials using 180 degree excavators to the required specification.	8.1 Demonstrate the following work skills when preparing for and extracting and excavating loose materials and ground using 180 degree excavators: – fitting, attaching, setting up, securing, adjusting, checking, removing, communicating, operating, manoeuvring, positioning,

Learning Outcome - The learner will:**Assessment Criterion - The learner can:**

extracting, excavating, forming, measuring, removing and loading.

- 8.2 Prepare, position, set up and operate 180 degree excavators to given working instructions.
- extract loose materials and/or different types of ground
 - load and/or stockpile loose materials and ground
 - excavate different types of ground.
- 8.3 Describe how to apply safe work practices, follow procedures, report problems and establish authority needed to rectify, to:
- identify the characteristics of the 180 degree excavator used for extraction and excavation work
 - carry out performance checks
 - prepare, set up and adjust for operational requirements
 - complete functional checks
 - carry out pre-operational checks for obstructions, stability, safety and security of the work and surrounding area
 - identify the area to be extracted and excavated
 - check to avoid damage to structures and utilities service apparatus
 - extract, excavate, remove and load materials safely and securely
 - form stockpiles
 - shut down and secure 180 degree excavators
 - use hand tools, ancillary equipment and accessories.
- 8.4 Safely use and store hand tools and ancillary equipment.
- 8.5 State the needs of other occupations and how to communicate within a team when preparing to and carrying out extracting and excavating operations.

Learning Outcome - The learner will:**Assessment Criterion - The learner can:**

- 8.6 Describe how to maintain the plant, tools and equipment used to extract and excavate materials.

Unit D/600/7938

Preparing and Operating Skid Steer Loaders to Extract Loose Materials in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the use of skid steer loaders to carry out extracting operations.	1.1 Interpret and extract information from drawings, specifications, schedules and 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, schedules, manufacturers' information, method statements and regulations and guidance applicable to extracting operations.
2 Organise with others the sequence and operation in which extracting operations using skid steer loaders 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 State how to organise resources prior to and during extracting operations using skid steer loaders.
3 Know how to comply with relevant legislation and official guidance to carry out extracting operations with skid steer loaders.	3.1 Describe their responsibilities under current legislation and official guidance whilst working: – in the workplace, below ground level, at height, in confined spaces, with tools and equipment, with materials and substances, with

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

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| | | 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 and operative. |
| | 3.3 | State what the accident reporting procedures are and who is responsible for making reports. |
| 4 | Maintain safe working practices when preparing for and carrying out extracting operations using skid steer loaders. | |
| | 4.1 | Use personal protective equipment (PPE) to safely carry out the activity in accordance with legislation and organisational requirements during extracting operations. |
| | 4.2 | Explain why and when personal protective equipment (PPE) should be used, relating to extracting operations, and the types, purpose and limitations of each type. |
| | 4.3 | 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. |
| 5 | Request and select the required quantity and quality of resources to prepare for and carry out extracting operations using skid steer loaders. | |
| | 5.1 | Describe the characteristics, quality, uses, limitations and defects associated with the resources, and how they should be used correctly, relating to: <ul style="list-style-type: none">– consumables, lubricants and fuels– attachments and extraction aids– hand tools, ancillary equipment and/or accessories. |
| | 5.2 | Request and select resources associated with skid steer loaders in relation to consumables, materials, attachments, tools, accessories and/or ancillary equipment. |
| | 5.3 | State how the resources should be used correctly, how problems associated with the resources are reported and how the organisational procedures are used. |

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	5.4 Outline potential hazards associated with the resources and method of work. 5.5 Describe how to calculate quantity, weight, length and area associated with the method/procedures to carry out extracting operations using skid steer loaders.
6 Minimise the risk of damage to the work and surrounding area when extracting materials using skid steer loaders.	6.1 Protect the work and its surrounding area from damage. 6.2 Minimise damage and maintain a clean work space. 6.3 Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions. 6.4 Dispose of waste in accordance with legislation. 6.5 State why the disposal of waste should be carried out safely in relation to the work.
7 Complete the work within the allocated time when preparing to and extracting materials using skid steer loaders.	7.1 Demonstrate completion of the work within the allocated time. 7.2 Shut down and secure skid steer loaders. 7.3 State 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 extract materials using skid steer loaders to the required specification.	8.1 Demonstrate the following work skills when preparing for and extracting loose materials using skid steer loaders: – fitting, attaching, setting up, securing, adjusting, checking, removing, communicating,

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

operating, manoeuvring, positioning, extracting, forming, removing and loading.

- 8.2 Prepare, position, set up and operate skid steer loaders to given working instructions.
- extract loose materials
 - load and/or stockpile loose materials.
- 8.3 Describe how to apply safe work practices, follow procedures, report problems and establish authority needed to rectify, to:
- identify the characteristics of the skid steer loader used for the extraction work
 - carry out performance checks
 - prepare, set up and adjust for operational requirements
 - complete functional checks
 - carry out pre-operational checks for obstructions, stability, safety and security of the work and surrounding area
 - identify the area to be extracted
 - check to avoid damage to structures and utilities service apparatus
 - extract, remove and load materials safely and securely
 - form stockpiles
 - shut down and secure skid steer loader
 - use hand tools, ancillary equipment and accessories.
- 8.4 Safely use and store hand tools and ancillary equipment.
- 8.5 State the needs of other occupations and how to communicate within a team when preparing to and carrying out extracting operations.
- 8.6 Describe how to maintain the plant, tools and equipment used to extract materials.

Unit Y/600/7954

Preparing and Operating Loader Compressors to Extract Loose Materials in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the use of loader compressors to carry out extracting operations.	1.1 Interpret and extract information from drawings, specifications, schedules and 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, schedules, manufacturers' information, method statements and regulations and guidance applicable to loader compressor extracting operations.
2 Organise with others the sequence and operation in which extracting operations using loader compressors 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 State how to organise resources prior to and during extracting operations using loader compressors.
3 Know how to comply with relevant legislation and official guidance to carry out extracting operations with loader compressors.	3.1 Describe their responsibilities under current legislation and official guidance whilst working: – in the workplace, below ground level, at height, in confined spaces, with tools and equipment, with materials and substances, with

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

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| | | 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 and operative. |
| | 3.3 | State what the accident reporting procedures are and who is responsible for making reports. |
| 4 | Maintain safe working practices when preparing for and carrying out extracting operations using loader compressors. | |
| | 4.1 | Use personal protective equipment (PPE) to safely carry out the activity in accordance with legislation and organisational requirements during extracting operations. |
| | 4.2 | Explain why and when personal protective equipment (PPE) should be used, relating to extracting operations, and the types, purpose and limitations of each type. |
| | 4.3 | 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. |
| 5 | Request and select the required quantity and quality of resources to prepare for and carry out extracting operations using loader compressors. | |
| | 5.1 | Describe the characteristics, quality, uses, limitations and defects associated with the resources, and how they should be used correctly, relating to: <ul style="list-style-type: none">– consumables, lubricants and fuels– attachments and extraction/excavation aids– hand tools, ancillary equipment and/or accessories. |
| | 5.2 | Request and select resources associated with loader compressors in relation to consumables, materials, attachments, tools, accessories and/or ancillary equipment. |
| | 5.3 | State how the resources should be used correctly, how problems associated with the resources are reported and how the organisational procedures are used. |

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	5.4 Outline potential hazards associated with the resources and method of work. 5.5 Describe how to calculate quantity, weight, length and area associated with the method/procedures to carry out extracting operations using loader compressors.
6 Minimise the risk of damage to the work and surrounding area when extracting materials using loader compressors.	6.1 Protect the work and its surrounding area from damage. 6.2 Minimise damage and maintain a clean work space. 6.3 Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions. 6.4 Dispose of waste in accordance with legislation. 6.5 State why the disposal of waste should be carried out safely in relation to the work.
7 Complete the work within the allocated time when preparing to and extracting materials using loader compressors.	7.1 Demonstrate completion of the work within the allocated time. 7.2 Shut down and secure loader compressors. 7.3 State 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 extract materials using loader compressors to the required specification.	8.1 Demonstrate the following work skills when preparing for and extracting loose materials using loader compressors: – fitting, attaching, setting up, securing, adjusting, checking, removing, communicating,

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

operating, manoeuvring, positioning, extracting, forming, removing and loading.

- 8.2 Prepare, position, set up and operate loader compressors to given working instructions.
- extract loose materials
 - load and/or stockpile loose materials.
- 8.3 Describe how to apply safe work practices, follow procedures, report problems and establish authority needed to rectify, to:
- identify the characteristics of the loader compressor used for the extraction work
 - carry out performance checks
 - prepare, set up and adjust for operational requirements
 - complete functional checks
 - carry out pre-operational checks for obstructions, stability, safety and security of the work and surrounding area
 - identify the area to be extracted
 - check to avoid damage to structures and utilities service apparatus
 - extract, remove and load materials safely and securely
 - form stockpiles
 - shut down and secure loader compressor
 - use hand tools, ancillary equipment and accessories.
- 8.4 Safely use and store hand tools and ancillary equipment.
- 8.5 State the needs of other occupations and how to communicate within a team when preparing to and carrying out extracting operations.
- 8.6 Describe how to maintain the plant, tools and equipment used to extract materials.

Unit K/600/7957

Preparing and Operating 360 degree Excavators to Extract Ground, Face and/or Loose Materials in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the use of 360 degree excavators to carry out extracting operations.	1.1 Interpret and extract information from drawings, specifications, schedules and 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, schedules, manufacturers' information, method statements and regulations and guidance applicable to extracting operations.
2 Organise with others the sequence and operation in which extracting operations using 360 degree excavators 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 State how to organise resources prior to and during extracting operations using 360 degree excavators.
3 Know how to comply with relevant legislation and official guidance to carry out extracting operations with 360 degree excavators.	3.1 Describe their responsibilities under current legislation and official guidance whilst working: – in the workplace, below ground level, at height, in confined spaces, with tools and equipment, with materials and substances, with

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

		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 and operative.
	3.3	State what the accident reporting procedures are and who is responsible for making reports.
4	Maintain safe working practices when preparing for and carrying out extracting operations using 360 degree excavators.	
	4.1	Use personal protective equipment (PPE) to safely carry out the activity in accordance with legislation and organisational requirements during extracting operations.
	4.2	Explain why and when personal protective equipment (PPE) should be used, relating to extracting operations, and the types, purpose and limitations of each type.
	4.3	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.
5	Request and select the required quantity and quality of resources to prepare for and carry out extracting operations using 360 degree excavators.	
	5.1	Describe the characteristics, quality, uses, limitations and defects associated with the resources, and how they should be used correctly, relating to: – consumables, lubricants and fuels – attachments and extraction/excavation aids – hand tools, ancillary equipment and/or accessories.
	5.2	Request and select resources associated with 360 degree excavators in relation to consumables, materials, attachments, tools, accessories and/or ancillary equipment.
	5.3	State how the resources should be used correctly, how problems associated with the resources are reported and how the organisational procedures are used.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	5.4 Outline potential hazards associated with the resources and method of work. 5.5 Describe how to calculate quantity, weight, length and area associated with the method/procedures to carry out extracting operations using 360 degree excavators.
6 Minimise the risk of damage to the work and surrounding area when extracting materials using 360 degree excavators.	6.1 Protect the work and its surrounding area from damage. 6.2 Minimise damage and maintain a clean work space. 6.3 Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions. 6.4 Dispose of waste in accordance with legislation. 6.5 State why the disposal of waste should be carried out safely in relation to the work.
7 Complete the work within the allocated time when preparing to and extracting materials using 360 degree excavators.	7.1 Demonstrate completion of the work within the allocated time. 7.2 Shut down and secure 360 degree excavators. 7.3 State 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 extract materials using 360 degree excavators to the required specification.	8.1 Demonstrate the following work skills when preparing for and extracting loose materials, face or ground using 360 degree excavators: – fitting, attaching, setting up, securing, adjusting, checking, removing, communicating,

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

operating, manoeuvring, positioning, extracting, forming, removing and loading.

- 8.2 Prepare, position, set up and operate 360 degree excavators to given working instructions.
- extract from a face, loose materials and/or ground
 - load extracted loose materials and/or stockpile loose materials.
- 8.3 Describe how to apply safe work practices, follow procedures, report problems and establish authority needed to rectify, to:
- identify the characteristics of the 360 degree excavators used for the extraction work
 - carry out performance checks
 - prepare, set up and adjust for operational requirements
 - complete functional checks
 - carry out pre-operational checks for obstructions, stability, safety and security of the work and surrounding area
 - identify the area to be extracted
 - check to avoid damage to structures and utilities service apparatus
 - extract, remove and load materials safely and securely
 - form stockpiles
 - shut down and secure 360 degree excavators
 - use hand tools, ancillary equipment and accessories.
- 8.4 Safely use and store hand tools and ancillary equipment.
- 8.5 State the needs of other occupations and how to communicate within a team when preparing to and carrying out extracting operations.
- 8.6 Describe how to maintain the plant, tools and equipment used to extract materials.

Unit Y/600/7968

Preparing and Operating Crawler/Tractor Dozers to Excavate and/or Form Ground in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the use of crawler dozers to carry out excavating and/or forming operations.	1.1 Interpret and extract information from drawings, specifications, schedules and 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, schedules, manufacturers' information, method statements and regulations and guidance applicable to crawler dozer excavating and/or forming operations.
2 Organise with others the sequence and operation in which excavating and/or forming operations using crawler dozers 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 State how to organise resources prior to and during excavating and/or forming operations using crawler dozers.
3 Know how to comply with relevant legislation and official guidance to carry out excavating and/or forming operations with crawler dozers.	3.1 Describe their responsibilities under current legislation and official guidance whilst working: – in the workplace, below ground level, at height, in confined spaces, with tools and equipment, with materials and substances, with

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

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| | | 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 and operative. |
| | 3.3 | State what the accident reporting procedures are and who is responsible for making reports. |
| 4 | Maintain safe working practices when preparing for and carrying out excavating and/or forming operations using crawler dozers. | |
| | 4.1 | Use personal protective equipment (PPE) to safely carry out the activity in accordance with legislation and organisational requirements during excavating and/or forming operations. |
| | 4.2 | Explain why and when personal protective equipment (PPE) should be used, relating to excavating and/or forming operations, and the types, purpose and limitations of each type. |
| | 4.3 | 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. |
| 5 | Request and select the required quantity and quality of resources to prepare for and carry out excavating and/or forming operations using crawler dozers. | |
| | 5.1 | Describe the characteristics, quality, uses, limitations and defects associated with the resources, and how they should be used correctly, relating to: <ul style="list-style-type: none">– consumables, lubricants and fuels– attachments and extraction/excavation aids– hand tools, ancillary equipment and/or accessories. |
| | 5.2 | Request and select resources associated with crawler dozers in relation to consumables, materials, attachments, tools, accessories and/or ancillary equipment. |
| | 5.3 | State how the resources should be used correctly, how problems associated with the resources are reported and how the organisational procedures are used. |

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	5.4 Outline potential hazards associated with the resources and method of work. 5.5 Describe how to calculate quantity, weight, length and area associated with the method/procedures to carry out excavating and/or forming operations using crawler dozers.
6 Minimise the risk of damage to the work and surrounding area when excavating and/or forming materials using crawler dozers.	6.1 Protect the work and its surrounding area from damage. 6.2 Minimise damage and maintain a clean work space. 6.3 Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions. 6.4 Dispose of waste in accordance with legislation. 6.5 State why the disposal of waste should be carried out safely in relation to the work.
7 Complete the work within the allocated time when preparing to and excavating and/or forming materials using crawler dozers.	7.1 Demonstrate completion of the work within the allocated time. 7.2 Shut down and secure crawler dozers. 7.3 State 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 excavate and/or form ground using crawler dozers to the required specification.	8.1 Demonstrate the following work skills when preparing for and excavating and/or forming ground using crawler dozers: – fitting, attaching, setting up, securing, adjusting, checking, removing, communicating,

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

operating, manoeuvring, positioning, excavating and/or forming, measuring and removing.

- 8.2 Prepare, position, set up and operate crawler/tractor dozers to given working instructions.
- excavate to line and level and stockpile different types of ground
 - and/or
 - spread, form and shape ground and/or loose materials.
- 8.3 Describe how to apply safe work practices, follow procedures, report problems and establish authority needed to rectify, to:
- identify the characteristics of the crawler dozers used for the excavation and/or forming work
 - carry out performance checks
 - prepare, set up and adjust for operational requirements
 - complete functional checks
 - carry out pre-operational checks for obstructions, stability, safety and security of the work and surrounding area
 - identify the area to be excavated/formed
 - check to avoid damage to structures and utilities service apparatus
 - excavate or form materials safely and securely
 - form stockpiles
 - shut down and secure crawler dozer
 - use hand tools, ancillary equipment and accessories.
- 8.4 Safely use and store hand tools and ancillary equipment.
- 8.5 State the needs of other occupations and how to communicate within a team when preparing to and carrying out excavating and/or forming operations.

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- 8.6 Describe how to maintain the plant, tools and equipment used to excavate or form ground.

Unit R/600/7970

Preparing and Operating 360 degree Excavators to Excavate Ground in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the use of 360 degree excavators to carry out excavating operations.	1.1 Interpret and extract information from drawings, specifications, schedules and 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, schedules, manufacturers' information, method statements and regulations and guidance applicable to excavating operations.
2 Organise with others the sequence and operation in which excavating operations using 360 degree excavators 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 State how to organise resources prior to and during excavating operations using 360 degree excavators.
3 Know how to comply with relevant legislation and official guidance to carry out excavating operations with 360 degree excavators.	3.1 Describe their responsibilities under current legislation and official guidance whilst working: – in the workplace, below ground level, at height, in confined spaces, with tools and equipment, with materials and substances, with

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

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| | | 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 and operative. |
| | 3.3 | State what the accident reporting procedures are and who is responsible for making reports. |
| 4 | Maintain safe working practices when preparing for and carrying out excavating operations using 360 degree excavators. | |
| | 4.1 | Use personal protective equipment (PPE) to safely carry out the activity in accordance with legislation and organisational requirements during excavating operations. |
| | 4.2 | Explain why and when personal protective equipment (PPE) should be used, relating to excavating operations, and the types, purpose and limitations of each type. |
| | 4.3 | 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. |
| 5 | Request and select the required quantity and quality of resources to prepare for and carry out excavating operations using 360 degree excavators. | |
| | 5.1 | Describe the characteristics, quality, uses, limitations and defects associated with the resources, and how they should be used correctly, relating to: <ul style="list-style-type: none">– consumables, lubricants and fuels– attachments and excavation aids– hand tools, ancillary equipment and/or accessories. |
| | 5.2 | Request and select resources associated with 360 degree excavators in relation to consumables, materials, attachments, tools, accessories and/or ancillary equipment. |
| | 5.3 | State how the resources should be used correctly, how problems associated with the resources are reported and how the organisational procedures are used. |

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	5.4 Outline potential hazards associated with the resources and method of work. 5.5 Describe how to calculate quantity, weight, length and area associated with the method/procedures to carry out excavating operations using 360 degree excavators.
6 Minimise the risk of damage to the work and surrounding area when excavating materials using 360 degree excavators.	6.1 Protect the work and its surrounding area from damage. 6.2 Minimise damage and maintain a clean work space. 6.3 Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions. 6.4 Dispose of waste in accordance with legislation. 6.5 State why the disposal of waste should be carried out safely in relation to the work.
7 Complete the work within the allocated time when preparing to and excavating materials using 360 degree excavators.	7.1 Demonstrate completion of the work within the allocated time. 7.2 Shut down and secure 360 degree excavators. 7.3 State 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 excavate materials using 360 degree excavators to the required specification.	8.1 Demonstrate the following work skills when preparing for and excavating ground using 360 degree excavators: – fitting, attaching, setting up, securing, adjusting, checking, removing, communicating,

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

operating, manoeuvring, positioning, excavating, forming, removing and loading.

- 8.2 Prepare, position, set up and operate 360 degree excavators to given working instructions.
- excavate a variety of ground
 - load and/or stockpile excavated loose materials.
- 8.3 Describe how to apply safe work practices, follow procedures, report problems and establish authority needed to rectify, to:
- identify the characteristics of the 360 degree excavators used for the excavation work
 - carry out performance checks
 - prepare, set up and adjust for operational requirements
 - complete functional checks
 - carry out pre-operational checks for obstructions, stability, safety and security of the work and surrounding area
 - identify the area to be excavated
 - check to avoid damage to structures and utilities service apparatus
 - excavate, remove and load materials safely and securely
 - form stockpiles
 - shut down and secure 360 degree excavator
 - use hand tools, ancillary equipment and accessories.
- 8.4 Safely use and store hand tools and ancillary equipment.
- 8.5 State the needs of other occupations and how to communicate within a team when preparing to and carrying out excavating operations.
- 8.6 Describe how to maintain the plant, tools and equipment used to excavate materials.

Unit T/600/7976

Preparing and Operating Truck-mounted Boom Concrete Pumps to Receive, Pump and Discharge Materials in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the use of concrete pumps to carry out pumping and discharging operations.	1.1 Interpret and extract information from drawings, specifications, schedules and 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, schedules, manufacturers' information, method statements and regulations and guidance applicable to concrete pumping operations.
2 Organise with others the sequence and operation in which pumping and discharging operations using concrete pumps 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 State how to organise resources prior to and during concrete pumping operations.
3 Know how to comply with relevant legislation and official guidance to carry out pumping operations with concrete pumps.	3.1 Describe their responsibilities under current legislation and official guidance whilst working: – in the workplace, below ground level, at height, in confined spaces, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

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| | 3.2 | Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative. |
| | 3.3 | State what the accident reporting procedures are and who is responsible for making reports. |
| 4 | | Maintain safe working practices when preparing for and carrying out pumping operations using concrete pumps. |
| | 4.1 | Use personal protective equipment (PPE) to safely carry out the activity in accordance with legislation and organisational requirements during concrete pumping operations. |
| | 4.2 | Explain why and when personal protective equipment (PPE) should be used, relating to concrete pumping operations, and the types, purpose and limitations of each type. |
| | 4.3 | 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. |
| 5 | | Request and select the required quantity and quality of resources to prepare for and carry out pumping operations using concrete pumps. |
| | 5.1 | Describe the characteristics, quality, uses, limitations and defects associated with the resources, and how they should be used correctly, relating to: <ul style="list-style-type: none">– consumables, lubricants and fuels– attachments, pumping and discharging aids– hand tools, ancillary equipment and/or accessories. |
| | 5.2 | Request and select resources associated with concrete pumps in relation to consumables, materials, attachments, tools, accessories and/or ancillary equipment. |
| | 5.3 | State how the resources should be used correctly, how problems associated with the resources are reported and how the organisational procedures are used. |
| | 5.4 | Outline potential hazards associated with the resources and method of work. |

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	5.5 Describe how to calculate quantity, weight, length and area associated with the method/procedures to carry out concrete pumping operations.
6 Minimise the risk of damage to the work and surrounding area when pumping materials using concrete pumps.	6.1 Protect the work and its surrounding area from damage. 6.2 Minimise damage and maintain a clean work space. 6.3 Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions. 6.4 Dispose of waste in accordance with legislation. 6.5 State why the disposal of waste should be carried out safely in relation to the work.
7 Complete the work within the allocated time when preparing to and pumping and discharging materials using concrete pumps.	7.1 Demonstrate completion of the work within the allocated time. 7.2 Shut down and secure concrete pumps. 7.3 State 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 receive, pump and discharge materials using concrete pumps to the required specification.	8.1 Demonstrate the following work skills when preparing for and pumping and discharging materials using concrete pumps: – fitting, attaching, setting up, securing, adjusting, checking, removing, communicating, operating, manoeuvring, positioning, receiving, pumping, discharging and cleaning. 8.2 Prepare, position, set up and operate truck-mounted boom concrete pumps to receive,

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

pump and discharge materials, at various locations, to given working instructions.

- 8.3 Describe how to apply safe work practices, follow procedures, report problems and establish authority needed to rectify, to:
- identify the characteristics of the concrete pumps used for pumping and discharging work
 - carry out performance checks
 - prepare, set up and adjust for operational requirements
 - complete functional checks
 - carry out pre-operational checks for obstructions, stability, safety and security of the work and surrounding area
 - identify the area for pumping
 - check to avoid damage to structures and utilities service apparatus
 - receive and pump materials safely and securely
 - shut down and secure concrete pumps
 - use hand tools, ancillary equipment and accessories.
- 8.4 Safely use and store hand tools and ancillary equipment.
- 8.5 State the needs of other occupations and how to communicate within a team when preparing to and carrying out pumping and discharging operations.
- 8.6 Describe how to maintain the plant, tools and equipment used to pump materials.

Unit A/600/7977

Preparing and Operating Forward Tipping Dumpers to Receive, Transport and Discharge Materials in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the use of forward tipping dumpers to carry out transporting and discharging operations.	1.1 Interpret and extract information from drawings, specifications, schedules and 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, schedules, manufacturers' information, method statements and regulations and guidance applicable to transporting and discharging operations.
2 Organise with others the sequence and operation in which transporting and discharging operations using forward tipping dumpers 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 State how to organise resources prior to and during transporting and discharging operations using forward tipping dumpers.
3 Know how to comply with relevant legislation and official guidance to carry out transporting and discharging operations with forward tipping dumpers.	3.1 Describe their responsibilities under current legislation and official guidance whilst working: – in the workplace, below ground level, at height, in confined spaces, with tools and equipment, with materials and substances,

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	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 and operative. 3.3 State what the accident reporting procedures are and who is responsible for making reports.
4 Maintain safe working practices when preparing for and carrying out transporting and discharging operations using forward tipping dumpers.	4.1 Use personal protective equipment (PPE) to safely carry out the activity in accordance with legislation and organisational requirements during transporting and discharging operations. 4.2 Explain why and when personal protective equipment (PPE) should be used, relating to transporting and discharging operations, and the types, purpose and limitations of each type. 4.3 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.
5 Request and select the required quantity and quality of resources to prepare for and carry out transporting and discharging operations using forward tipping dumpers.	5.1 Describe the characteristics, quality, uses, limitations and defects associated with the resources, and how they should be used correctly, relating to: – consumables, lubricants and fuels – attachments, transporting and discharging aids – hand tools, ancillary equipment and/or accessories. 5.2 Request and select resources associated with forward tipping dumpers in relation to consumables, materials, attachments, tools, accessories and/or ancillary equipment. 5.3 State how the resources should be used correctly, how problems associated with the

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	resources are reported and how the organisational procedures are used. 5.4 Outline potential hazards associated with the resources and method of work. 5.5 Describe how to calculate quantity, weight, length and area associated with the method/procedures to carry out transporting and discharging operations using forward tipping dumpers.
6 Minimise the risk of damage to the work and surrounding area when transporting and discharging materials using forward tipping dumpers.	6.1 Protect the work and its surrounding area from damage. 6.2 Minimise damage and maintain a clean work space. 6.3 Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions. 6.4 Dispose of waste in accordance with legislation. 6.5 State why the disposal of waste should be carried out safely in relation to the work.
7 Complete the work within the allocated time when preparing to and transporting and discharging materials using forward tipping dumpers.	7.1 Demonstrate completion of the work within the allocated time. 7.2 Shut down and secure forward tipping dumpers. 7.3 State 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 receive, transport	8.1 Demonstrate the following work skills when preparing for and transporting and discharging

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
and discharge materials using forward tipping dumpers to the required specification.	loose materials using forward tipping dumpers: – fitting, attaching, setting up, securing, adjusting, checking, removing, communicating, operating, manoeuvring, positioning, receiving, transporting and depositing.
	8.2 Prepare, position, set up and operate forward tipping dumpers to receive, transport and discharge loads to given working instructions.
	8.3 Describe how to apply safe work practices, follow procedures, report problems and establish authority needed to rectify, to: – identify the characteristics of the forward tipping dumper used for transporting and discharging work – carry out performance checks – prepare, set up and adjust for operational requirements – complete functional checks – carry out pre-operational checks for obstructions, stability, safety and security of the work and surrounding area – identify the area for discharging – check to avoid damage to structures and utilities service apparatus – receive, transport and discharge materials safely and securely – shut down and secure forward tipping dumper – use hand tools, ancillary equipment and accessories.
	8.4 Safely use and store hand tools and ancillary equipment.
	8.5 State the needs of other occupations and how to communicate within a team when preparing to and carrying out transporting and discharging operations.
	8.6 Describe how to maintain the plant, tools and equipment used to transport and discharge materials.

Unit F/600/8001

Preparing and Operating Agricultural-based Tractors for Non-agricultural Activities in the Workplace

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
1	Interpret the given information relating to the use of agricultural-based tractors to carry out non-agricultural activities.	1.1	Interpret and extract information from drawings, specifications, schedules and 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, schedules, manufacturers' information, method statements and regulations and guidance applicable to non-agricultural activities using agricultural-based tractors.
2	Organise with others the sequence and operation in which non-agricultural activities using agricultural-based tractors 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	State how to organise resources prior to and during non-agricultural activities using agricultural-based tractors
3	Know how to comply with relevant legislation and official guidance to carry out non-agricultural activities with agricultural-based tractors.	3.1	Describe their responsibilities under current legislation and official guidance whilst working: – in the workplace, below ground level, at height, in confined spaces, with tools and equipment, with materials and substances, with

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	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 and operative. 3.3 State what the accident reporting procedures are and who is responsible for making reports.
4 Maintain safe working practices when preparing for and carrying out non-agricultural activities using agricultural-based tractors.	4.1 Use personal protective equipment (PPE) to safely carry out the activity in accordance with legislation and organisational requirements during non-agricultural activities. 4.2 Explain why and when personal protective equipment (PPE) should be used, relating to non-agricultural activities, and the types, purpose and limitations of each type. 4.3 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.
5 Request and select the required quantity and quality of resources to prepare for and carry out non-agricultural activities using agricultural-based tractors.	5.1 Describe the characteristics, quality, uses, limitations and defects associated with the resources, and how they should be used correctly, relating to: – consumables, lubricants and fuels – attachments and non-agricultural activity aids – hand tools, ancillary equipment and/or accessories. 5.2 Request and select resources associated with agricultural-based tractors in relation to consumables, materials, attachments, tools, accessories and/or ancillary equipment. 5.3 State how the resources should be used correctly, how problems associated with the resources are reported and how the organisational procedures are used.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	5.4 Outline potential hazards associated with the resources and method of work. 5.5 Describe how to calculate quantity, weight, length and area associated with the method/procedures to carry out non-agricultural activities using agricultural-based tractors.
6 Minimise the risk of damage to the work and surrounding area when undertaking non-agricultural activities using agricultural-based tractors.	6.1 Protect the work and its surrounding area from damage. 6.2 Minimise damage and maintain a clean work space. 6.3 Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions. 6.4 Dispose of waste in accordance with legislation. 6.5 State why the disposal of waste should be carried out safely in relation to the work.
7 Complete the work within the allocated time when preparing to and undertaking non-agricultural activities using agricultural-based tractors.	7.1 Demonstrate completion of the work within the allocated time. 7.2 Shut down and secure agricultural-based tractors. 7.3 State 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 carry out non-agricultural activities using	8.1 Demonstrate the following work skills when preparing for and undertaking non-agricultural activities using agricultural-based tractors:

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
agricultural-based tractors to the required specification.	– fitting, attaching, setting up, securing, adjusting, checking, removing, communicating, operating, manoeuvring and positioning.
8.2	Prepare, position, set up and operate agricultural-based tractors to undertake non-agricultural activities to given working instructions.
8.3	Describe how to apply safe work practices, follow procedures, report problems and establish authority needed to rectify, to: – identify the characteristics of the agricultural-based tractors used for non-agricultural activities – carry out performance checks – prepare, set up and adjust for operational requirements – complete functional checks – carry out pre-operational checks for obstructions, stability, safety and security of the work and surrounding area – identify the area of work – check to avoid damage to structures and utilities service apparatus – undertake non-agricultural activities safely and securely – shut down and secure agricultural-based tractors – use hand tools, ancillary equipment and accessories.
8.4	Safely use and store hand tools and ancillary equipment.
8.5	State the needs of other occupations and how to communicate within a team when preparing to and carrying out non-agricultural activities
8.6	Describe how to maintain the plant, tools and equipment used to undertake non-agricultural activities.

Unit Y/600/8005

Preparing and Operating Trailer-mounted Concrete Pumps to Receive, Pump and Discharge Materials in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the use of concrete pumps to carry out pumping and discharging operations.	1.1 Interpret and extract information from drawings, specifications, schedules and 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, schedules, manufacturers' information, method statements and regulations and guidance applicable to concrete pumping operations.
2 Organise with others the sequence and operation in which concrete pumping operations using concrete pumps 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 State how to organise resources prior to and during concrete pumping operations.
3 Know how to comply with relevant legislation and official guidance to carry out concrete pumping operations with concrete pumps.	3.1 Describe their responsibilities under current legislation and official guidance whilst working: – in the workplace, below ground level, at height, in confined spaces, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

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| | 3.2 | Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative. |
| | 3.3 | State what the accident reporting procedures are and who is responsible for making reports. |
| 4 | | Maintain safe working practices when preparing for and carrying out pumping operations using concrete pumps. |
| | 4.1 | Use personal protective equipment (PPE) to safely carry out the activity in accordance with legislation and organisational requirements during concrete pumping operations. |
| | 4.2 | Explain why and when personal protective equipment (PPE) should be used, relating to concrete pumping operations, and the types, purpose and limitations of each type. |
| | 4.3 | 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. |
| 5 | | Request and select the required quantity and quality of resources to prepare for and carry out pumping operations using concrete pumps. |
| | 5.1 | Describe the characteristics, quality, uses, limitations and defects associated with the resources, and how they should be used correctly, relating to: <ul style="list-style-type: none">– consumables, lubricants and fuels– attachments, pumping and discharging aids– hand tools, ancillary equipment and/or accessories. |
| | 5.2 | Request and select resources associated with concrete pumps in relation to consumables, materials, attachments, tools, accessories and/or ancillary equipment. |
| | 5.3 | State how the resources should be used correctly, how problems associated with the resources are reported and how the organisational procedures are used. |
| | 5.4 | Outline potential hazards associated with the resources and method of work. |

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	5.5 Describe how to calculate quantity, weight, length and area associated with the method/procedures to carry out concrete pumping operations.
6 Minimise the risk of damage to the work and surrounding area when pumping materials using concrete pumps.	6.1 Protect the work and its surrounding area from damage. 6.2 Minimise damage and maintain a clean work space. 6.3 Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions. 6.4 Dispose of waste in accordance with legislation. 6.5 State why the disposal of waste should be carried out safely in relation to the work.
7 Complete the work within the allocated time when preparing to and pumping and discharging materials using concrete pumps.	7.1 Demonstrate completion of the work within the allocated time. 7.2 Shut down and secure trailer-mounted concrete pumps. 7.3 State 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 receive, pump and discharge materials using concrete pumps to the required specification.	8.1 Demonstrate the following work skills when preparing for and pumping and discharging materials using concrete pumps – fitting, attaching, setting up, securing, adjusting, checking, removing, communicating, operating, manoeuvring, positioning, receiving, pumping, discharging and cleaning.

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- 8.2 Prepare, position, set up, check the positioning of and operate trailer-mounted concrete pumps to receive, pump and discharge materials, at various locations, to given working instructions.
- 8.3 Describe how to apply safe work practices, follow procedures, report problems and establish authority needed to rectify, to:
- identify the characteristics of the concrete pumps used for pumping and discharging work
 - carry out performance checks
 - prepare, set up and adjust for operational requirements
 - complete functional checks
 - carry out pre-operational checks for obstructions, stability, safety and security of the work and surrounding area
 - identify the area for pumping
 - check to avoid damage to structures and utilities service apparatus
 - receive and pump materials safely and securely
 - shut down and secure concrete pumps
 - use hand tools, ancillary equipment and accessories.
- 8.4 Safely use and store hand tools and ancillary equipment.
- 8.5 State the needs of other occupations and how to communicate within a team when preparing to and carrying out pumping and discharging operations.
- 8.6 Describe how to maintain the plant, tools and equipment used to pump and discharge materials.

Unit M/600/8009

Preparing and Operating Self-propelled Bowsers to Receive, Transport and Discharge Materials in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the use of self-propelled bowsters to carry out transporting and discharging operations.	1.1 Interpret and extract information from drawings, specifications, schedules and 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, schedules, manufacturers' information, method statements and regulations and guidance applicable to transporting and discharging operations.
2 Organise with others the sequence and operation in which transporting and discharging operations using self-propelled bowsters 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 State how to organise resources prior to and during transporting and discharging operations using self-propelled bowsters.
3 Know how to comply with relevant legislation and official guidance to carry out transporting and discharging operations with self-propelled bowsters.	3.1 Describe their responsibilities under current legislation and official guidance whilst working: – in the workplace, below ground level, at height, in confined spaces, with tools and equipment, with materials and substances,

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	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 and operative. 3.3 State what the accident reporting procedures are and who is responsible for making reports.
4 Maintain safe working practices when preparing for and carrying out transporting and discharging operations using self-propelled bowzers.	4.1 Use personal protective equipment (PPE) to safely carry out the activity in accordance with legislation and organisational requirements during transporting and discharging operations. 4.2 Explain why and when personal protective equipment (PPE) should be used, relating to transporting and discharging operations, and the types, purpose and limitations of each type. 4.3 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.
5 Request and select the required quantity and quality of resources to prepare for and carry out transporting and discharging operations using self-propelled bowzers.	5.1 Describe the characteristics, quality, uses, limitations and defects associated with the resources, and how they should be used correctly, relating to: – consumables, lubricants and fuels – attachments and transporting and discharging aids – hand tools, ancillary equipment and/or accessories. 5.2 Request and select resources associated with self-propelled bowzers in relation to consumables, materials, attachments, tools, accessories and/or ancillary equipment. 5.3 State how the resources should be used correctly, how problems associated with the

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	resources are reported and how the organisational procedures are used. 5.4 Outline potential hazards associated with the resources and method of work. 5.5 Describe how to calculate quantity, weight, length and area associated with the method/procedures to carry out transporting and discharging operations using self-propelled bowzers.
6 Minimise the risk of damage to the work and surrounding area when transporting and discharging materials using self-propelled bowzers.	6.1 Protect the work and its surrounding area from damage. 6.2 Minimise damage and maintain a clean work space. 6.3 Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions. 6.4 Dispose of waste in accordance with legislation. 6.5 State why the disposal of waste should be carried out safely in relation to the work.
7 Complete the work within the allocated time when preparing to and transporting and discharging materials using self-propelled bowzers.	7.1 Demonstrate completion of the work within the allocated time. 7.2 Shut down and secure self-propelled bowzers. 7.3 State 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 receive, transport and discharge materials using	8.1 Demonstrate the following work skills when preparing for and transporting and discharging materials using self-propelled bowzers:

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
self-propelled bowzers to the required specification.	– fitting, attaching, setting up, securing, adjusting, checking, removing, communicating, operating, manoeuvring, positioning, receiving, transporting and discharging.
8.2	Prepare, set up, position and operate self-propelled bowzers to receive, transport and discharge fluid materials to given working instructions.
8.3	Describe how to apply safe work practices, follow procedures, report problems and establish authority needed to rectify, to: – identify the characteristics of the self-propelled bowzers used for transporting and discharging work – carry out performance checks – prepare, set up and adjust for operational requirements – complete functional checks – carry out pre-operational checks for obstructions, stability, safety and security of the work and surrounding area – identify the area for discharging – check to avoid damage to structures and utilities service apparatus – receive, transport and discharge materials safely and securely – shut down and secure self-propelled bowzers – use hand tools, ancillary equipment and accessories.
8.4	Safely use and store hand tools and ancillary equipment.
8.5	State the needs of other occupations and how to communicate within a team when preparing to and carrying out transporting and discharging operations.
8.6	Describe how to maintain the plant, tools and equipment used to transport and discharge fluid materials.

Unit T/600/8013

Preparing and Operating Scissor-type Mobile Elevating Work Platforms – MEWP – in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the use of scissor-type MEWPs to access areas to carry out the work.	1.1 Interpret and extract information from drawings, specifications, schedules and 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, schedules, manufacturers' information, method statements and regulations and guidance applicable to accessing operations.
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 State how to organise resources prior to and during accessing operations.
3 Know how to comply with relevant legislation and official guidance to carry out accessing operations with scissor-type MEWPs.	3.1 Describe their responsibilities under current legislation and official guidance whilst working: – in the workplace, below ground level, at height, in confined spaces, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

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| | 3.2 | Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative. |
| | 3.3 | State what the accident reporting procedures are and who is responsible for making reports. |
| 4 | | |
| Maintain safe working practices when preparing for and carrying out accessing operations using scissor-type MEWPs. | 4.1 | Use personal protective equipment (PPE) to safely carry out the activity in accordance with legislation and organisational requirements during accessing operations. |
| | 4.2 | Explain why and when personal protective equipment (PPE) should be used, relating to accessing operations, and the types, purpose and limitations of each type. |
| | 4.3 | 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. |
| 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 | Describe the characteristics, quality, uses, limitations and defects associated with the resources, and how they should be used correctly, relating to: <ul style="list-style-type: none">– consumables, lubricants and fuels– attachments and accessing discharging aids– hand tools, ancillary equipment and/or accessories. |
| | 5.2 | Request and select resources associated with scissor-type MEWPs in relation to consumables, materials, attachments, tools, accessories and/or ancillary equipment. |
| | 5.3 | State how the resources should be used correctly, how problems associated with the resources are reported and how the organisational procedures are used. |
| | 5.4 | Outline potential hazards associated with the resources and method of work. |

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

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| | 5.5 | Describe how to calculate quantity, weight, length and area associated with the method/procedures to carry out accessing operations. |
| 6 | Minimise the risk of damage to the work and surrounding area when accessing work areas using scissor-type MEWPs. | <p>6.1 Protect the work and its surrounding area from damage.</p> <p>6.2 Minimise damage and maintain a clean work space.</p> <p>6.3 Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.</p> <p>6.4 Dispose of waste in accordance with legislation.</p> <p>6.5 State why the disposal of waste should be carried out safely in relation to the work.</p> |
| 7 | Complete the work within the allocated time when preparing to and accessing work areas using scissor-type MEWPs. | <p>7.1 Demonstrate completion of the work within the allocated time.</p> <p>7.2 Shut down and secure scissor-type MEWPs.</p> <p>7.3 State 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.</p> |
| 8 | Comply with the given contract information to accessing areas to carry out work using scissor-type MEWPs to the required specification. | <p>8.1 Demonstrate the following work skills when preparing for and accessing work areas using scissor-type MEWPs:
– fitting, attaching, setting up, securing, adjusting, checking, removing, communicating, operating, manoeuvring, positioning, accessing and setting down.</p> |

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- 8.2 Prepare, position, set up and operate scissor-type MEWPs to access working areas, at various locations, to given working instructions.
- 8.3 Describe how to apply safe 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
 - carry out performance checks
 - prepare, set up and adjust for operational requirements
 - complete functional checks
 - carry out pre-operational checks for obstructions, stability, safety and security of the work and surrounding area
 - identify the area for accessing
 - check to avoid damage to structures and utilities service apparatus
 - access working areas safely and securely
 - shut down and secure the scissor-type MEWP
 - use hand tools, ancillary equipment and accessories.
- 8.4 Safely use and store hand tools and ancillary equipment.
- 8.5 State the needs of other occupations and how to communicate within a team when preparing to and carrying out accessing operations.
- 8.6 Describe how to maintain the plant, tools and equipment used to access working areas.

Unit Y/600/8019

Preparing and Operating Boom-type Mobile Elevating Work Platforms – MEWP – in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the use of boom-type MEWPs to access areas to carry out the work.	1.1 Interpret and extract information from drawings, specifications, schedules and 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, schedules, manufacturers' information, method statements and regulations and guidance applicable to accessing operations.
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 State how to organise resources prior to and during accessing operations.
3 Know how to comply with relevant legislation and official guidance to carry out accessing operations with boom-type MEWPs.	3.1 Describe their responsibilities under current legislation and official guidance whilst working: – in the workplace, below ground level, at height, in confined spaces, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

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| | 3.2 | Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative. |
| | 3.3 | State what the accident reporting procedures are and who is responsible for making reports. |
| 4 | | Maintain safe working practices when preparing for and carrying out accessing operations using boom-type MEWPs. |
| | 4.1 | Use personal protective equipment (PPE) to safely carry out the activity in accordance with legislation and organisational requirements during accessing operations. |
| | 4.2 | Explain why and when personal protective equipment (PPE) should be used, relating to accessing operations, and the types, purpose and limitations of each type. |
| | 4.3 | 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. |
| 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 | Describe the characteristics, quality, uses, limitations and defects associated with the resources, and how they should be used correctly, relating to: <ul style="list-style-type: none">– consumables, lubricants and fuels– attachments and accessing discharging aids– hand tools, ancillary equipment and/or accessories. |
| | 5.2 | Request and select resources associated with boom-type MEWPs in relation to consumables, materials, attachments, tools, accessories and/or ancillary equipment. |
| | 5.3 | State how the resources should be used correctly, how problems associated with the resources are reported and how the organisational procedures are used. |
| | 5.4 | Outline potential hazards associated with the resources and method of work. |

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

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| | 5.5 | Describe how to calculate quantity, weight, length and area associated with the method/procedures to carry out accessing operations. |
| 6 | Minimise the risk of damage to the work and surrounding area when accessing work areas using boom-type MEWPs. | <p>6.1 Protect the work and its surrounding area from damage.</p> <p>6.2 Minimise damage and maintain a clean work space.</p> <p>6.3 Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.</p> <p>6.4 Dispose of waste in accordance with legislation.</p> <p>6.5 State why the disposal of waste should be carried out safely in relation to the work.</p> |
| 7 | Complete the work within the allocated time when preparing to and accessing work areas using boom-type MEWPs. | <p>7.1 Demonstrate completion of the work within the allocated time.</p> <p>7.2 Shut down and secure boom-type MEWPs.</p> <p>7.3 State 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.</p> |
| 8 | Comply with the given contract information to accessing areas to carry out work using boom-type MEWPs to the required specification. | <p>8.1 Demonstrate the following work skills when preparing for and accessing work areas using boom-type MEWPs:
– fitting, attaching, setting up, securing, adjusting, checking, removing, communicating, operating, manoeuvring, positioning, accessing and setting down.</p> |

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- 8.2 Prepare, position, set up and operate boom-type MEWPs to access working areas, at various locations, to given working instructions.
- 8.3 Describe how to apply safe 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
 - carry out performance checks
 - prepare, set up and adjust for operational requirements
 - complete functional checks
 - carry out pre-operational checks for obstructions, stability, safety and security of the work and surrounding area
 - identify the area for accessing
 - check to avoid damage to structures and utilities service apparatus
 - access working areas safely and securely
 - shut down and secure the boom-type MEWP
 - use hand tools, ancillary equipment and accessories.
- 8.4 Safely use and store hand tools and ancillary equipment.
- 8.5 State the needs of other occupations and how to communicate within a team when preparing to and carrying out accessing operations.
- 8.6 Describe how to maintain the plant, tools and equipment used to access working areas.

Unit H/600/8024

Preparing and Operating Mast Climber-type Mobile Elevating Work Platforms – MEWP – in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the use of mast climber-type MEWPs to access areas to carry out the work.	1.1 Interpret and extract information from drawings, specifications, schedules and 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, schedules, manufacturers' information, method statements and regulations and guidance applicable to accessing operations.
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 State how to organise resources prior to and during accessing operations.
3 Know how to comply with relevant legislation and official guidance to carry out accessing operations with mast climber-type MEWPs.	3.1 Describe their responsibilities under current legislation and official guidance whilst working: – in the workplace, below ground level, at height, in confined spaces, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

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| | 3.2 | Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative. |
| | 3.3 | State what the accident reporting procedures are and who is responsible for making reports. |
| 4 | | Maintain safe working practices when preparing for and carrying out accessing operations using mast climber-type MEWPs. |
| | 4.1 | Use personal protective equipment (PPE) to safely carry out the activity in accordance with legislation and organisational requirements during accessing operations. |
| | 4.2 | Explain why and when personal protective equipment (PPE) should be used, relating to accessing operations, and the types, purpose and limitations of each type. |
| | 4.3 | 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. |
| 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 | Describe the characteristics, quality, uses, limitations and defects associated with the resources, and how they should be used correctly, relating to: <ul style="list-style-type: none">– consumables, lubricants and fuels– attachments and accessing discharging aids– hand tools, ancillary equipment and/or accessories. |
| | 5.2 | Request and select resources associated with mast climber-type MEWPs in relation to consumables, materials, attachments, tools, accessories and/or ancillary equipment. |
| | 5.3 | State how the resources should be used correctly, how problems associated with the resources are reported and how the organisational procedures are used. |
| | 5.4 | Outline potential hazards associated with the resources and method of work. |

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	5.5 Describe how to calculate quantity, weight, length and area associated with the method/procedures to carry out accessing operations.
6 Minimise the risk of damage to the work and surrounding area when accessing work areas using mast climber-type MEWPs.	6.1 Protect the work and its surrounding area from damage. 6.2 Minimise damage and maintain a clean work space. 6.3 Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions. 6.4 Dispose of waste in accordance with legislation. 6.5 State why the disposal of waste should be carried out safely in relation to the work.
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 Shut down and secure mast climber-type MEWPs. 7.3 State 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 accessing 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:
	– fitting, attaching, setting up, securing, adjusting, checking, removing, communicating, operating, manoeuvring, positioning, accessing and setting down.

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- 8.2 Prepare, position, set up and operate mast climber-type MEWPs to access working areas, at various locations, to given working instructions.
- 8.3 Describe how to apply safe 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
 - carry out performance checks
 - prepare, set up and adjust for operational requirements
 - complete functional checks
 - carry out pre-operational checks for obstructions, stability, safety and security of the work and surrounding area
 - identify the area for accessing
 - check to avoid damage to structures and utilities service apparatus
 - access working areas safely and securely
 - shut down and secure the mast climber-type MEWP
 - use hand tools, ancillary equipment and accessories.
- 8.4 Safely use and store hand tools and ancillary equipment.
- 8.5 State the needs of other occupations and how to communicate within a team when preparing to and carrying out accessing operations.
- 8.6 Describe how to maintain the plant, tools and equipment used to access working areas.



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