Level 2 Award in Utility Avoidance and the Location of Buried Services in Construction

Qualification Specification

Contents

Introduction

The Level 2 Award in Utility Avoidance and the Location of Buried Services is aimed at site managers, supervisors, excavation operatives to give them an understanding of how to avoid danger from underground services, it is also appropriate for site operatives responsible for clearing an area prior to and during an excavation.

The awarding organisation for this qualification is ProQual Awarding Body and the regulatory body is the Office of Qualifications and Examinations Regulation (Ofqual). The specification for these qualifications has been approved by Qualifications Wales 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).

Qualification Profile

Qualification title	**ProQual Level 2 Award in Utility Avoidance and the Location of Buried Services in Construction**
Ofqual qualification number	601/1855/6
Level	Level 2
Guided learning hours	10
Total qualification time	20
Assessment	Pass or fail Internally assessed and verified by centre staff External quality assurance by ProQual verifiers
Qualification start date	1/11/13
Qualification end date	

Entry Requirements

There are no formal entry requirements for this qualification.

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

Qualification Structure

Candidates must complete the Mandatory unit.

Mandatory Unit			
Unit Reference Number	**Unit Title**	**Unit Level**	**GLH**
L/505/7112	Utility Location and Avoidance in Construction	2	10

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 occupationally competent.

Assessors/Internal Quality Assurance
For each competence-based unit centres must be able to provide at least one assessor and one internal verifier who are suitably qualified for the specific occupational area. Assessors and internal 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

Assessment

Candidates must demonstrate the level of knowledge described in the unit. Assessment is the process of measuring a candidate's knowledge and understanding against the standards set in the qualification.

Assessment guidance is included to assure consistency.

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

Evidence can include:
- assignments/projects/reports
- worksheets
- portfolio of evidence
- record of oral and/or written questioning
- candidate test papers

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 for this qualification can be found from page 7 onwards.

Internal Quality Assurance

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

Adjustments to 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 requirements for qualifications will be awarded:

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

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Claiming certificates

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

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 L/505/7112
Utility Location and Avoidance in Construction

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Understand published guidance covering utility avoidance in the location of buried services in construction	1.1 Explain what is meant by a Safe System of Work
	1.2 Describe the difference between legislation and guidance
	1.3 Explain the reasons why excavations take place
	1.4 Describe the consequences of an underground service strike
2 Undertand the importance of regulations related to the location of buried services in construction	2.1 Describe client responsibility in terms of buried services
	2.2 Describe the responsibility of construction designers in terms of buried services
	2.3 Describe how to identify when it is necessary to make alterations to a project due to the presence of buried services
3 Understand the advantages of obtaining accurate information related to the positioning of underground services	3.1 Identify different types of drawings used in services location
	3.2 Describe types of inaccuracies that may be found in drawings
	3.3 Explain how the data and detail on drawings may have limitations
	3.4 Describe how regional differences may exist on drawings
4 Understand the requirements for the maintenance of underground service location equipment	4.1 Describe the calibration requirements of the equipment
	4.2 Describe the reasons for the correct storage and carriage of equipment including ancillaries
	4.3 Demonstrate equipment functionality including ancillaries
	4.4 Demonstrate the use of control measures for faulty equipment including ancillaries
5 Be able to recognise electro-magnetic fields and their relationship to underground service location	5.1 Demonstrate how to apply active signals to services
	5.2 Describe the use of passive signals in service location
	5.3 Describe how service depth is obtained when using electro-magnetic location methods

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	5.4 Demonstrate how to accurately position services when using service location equipment
	5.5 Describe the limitations of electro-magnetic location in areas of heavy service congestion
	5.6 Describe the effects of metallic structures on electro-magnetic service location
	5.7 Describe the types of services, including construction materials, that can be located using electro-magnetic location
6 Be able to close out a site	6.1 Demonstrate final site sweeping procedures
	6.2 Describe site surface marking standards
	6.3 Explain site handover requirements

Assessment

There must be valid, authentic and sufficient for all the assessment criteria. However, one piece of evidence may be used to meet the requirements of more than one learning outcome or assessment criterion.

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