



**Level 3 Award in an Introduction to  
Building Information Modelling**

**Qualification Specification**

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## Introduction

The **Level 3 Award in an Introduction to Building Information Modelling** qualification introduces candidates to the processes involved in building information modelling throughout the life cycle of a building.

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 the qualification 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	<b>ProQual Level 3 Award in an Introduction to Building Information Modelling</b>
Ofqual qualification number	601/5635/1
Level	Level 3
Guided learning hours	50
Total qualification time	80
Assessment	Pass or fail Internally assessed and verified by centre staff External quality assurance by ProQual verifiers
Qualification start date	1/3/15
Qualification end date	

## Entry Requirements

There are no formal entry requirements for this qualification but it is recommended that candidates have achieved:

**601/2506/8 ProQual Level 1 Award in Understanding Carbon Awareness & Energy Management**  
**601/2505/6 ProQual Level 2 Award in Understanding Carbon Awareness & Energy Management**

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 Reference Number	Unit Title	Unit Level	GLH
T/506/9996	Introduction to Building Information Modelling	3	50

## 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 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

## 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.

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 8 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 -

**ProQual Level 3 Award in an Introduction to Building Information Modelling**

### 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 T/506/9996

### Introduction to Building Information Modelling

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Understand the terminology and basic concepts of Building Information Modelling	1.1 Explain the basic concepts and terminology of Building Information Modelling 1.2 Explain what Construction Operations Building Information Exchange (COBie) is
2 Understand the relationship of Building Information Modelling to building project stages	2.1 Explain the relationship of Building Information Modelling to the various building project stages
3 Understand the management, organisational and legal issues affected by Building Information Modelling	3.1 Explain how copyright, ownership, management and responsibility, security, shared liability, insurances are affected by Building Information Modelling 3.2 Explain the role of a Building Information Modelling Manager with reference to training, communications and workflow management
4 Understand how Building Information Modelling supports the whole life cycle management of a building	4.1 Explain how Building Information Modelling supports the whole life cycle management of a building, including: <ul style="list-style-type: none"><li>• design</li><li>• construction</li><li>• alterations</li><li>• facilities management</li><li>• demolition</li><li>• environmental clean-up</li></ul>
5 Understand how Building Information Modelling is implemented within an organisation	5.1 Produce a plan to implement Building Information Modelling within an organisation 5.2 Evaluate the training and skills requirement for Building Information Modelling 5.3 Evaluate the effects of Building Information Modelling on contract procurement and project risks





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