



# Qualification Specification:

## **OCN NI Level 2 Award in Digital Construction Skills**

- **Qualification No: 603/6038/0**

## **OCN NI Level 2 Certificate in Digital Construction Skills**

- **Qualification No: 603/6037/9**



# 1. Specification Updates

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Key changes have been listed below:

Section	Detail of change	Version and date of Issue
Specification	Qualifications extended to 30 June 2030	v2.0

## 2. Contents

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## 3. Introduction to Open College Network Northern Ireland (OCN NI)

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The Open College Network Northern Ireland (OCN NI) is a UK recognised awarding organisation based in Northern Ireland. We are regulated by CCEA Regulation to develop and award regulated professional and technical (vocational) qualifications from Entry Level up to and including Level 5 across all sector areas. In addition, OCN NI is also regulated by Ofqual to award qualifications in England.

OCN NI is also an educational charity that advances education by developing nationally recognised qualifications and recognising the achievements of learners. We work with centres such as Further Education Colleges, Private Training Organisations, Voluntary & Community Organisations, Schools, SME's and Public Sector bodies to provide learners with opportunities to progress into further learning and/or employment. OCN NI's Strategic Plan can be found on the OCN NI website [www.ocnni.org.uk](http://www.ocnni.org.uk).

For further information on OCN NI qualifications or to contact us, you can visit our website at [www.ocnni.org.uk](http://www.ocnni.org.uk). The website should provide you with details about our qualifications, courses, contact information, and any other relevant information you may need.

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## 4. About this Specification

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This specification details OCN NI's specific requirements for the delivery and assessment of the **OCN NI Level 2 Award and Certificate in Digital Construction Skills**.

This specification will provide guidelines for centres to ensure the effective and correct delivery of these qualifications. OCN NI qualification specifications are based on research and engagement with the practitioner community to ensure they provide appropriate skills and knowledge for learners.

The qualification specification will detail the following aspects of the OCN NI Level 2 Award and Certificate in Digital Construction Skills.

- **Qualification Features:** this includes the key characteristics and features of these qualifications, such as their intended audience, purpose, and credit value.
- **Centre Requirements:** this details the prerequisites and obligations that centres must fulfil to be eligible to deliver and assess these qualifications. These include guidelines on staff qualifications, resources, and required procedures.
- **Structure and Content:** this details the structure and content of the qualifications including units, and any specific content that learners will be required to study.
- **Assessment Requirements:** this details assessment criteria and assessment methods for these qualifications, ensuring that summative assessment approaches are clear.
- **Quality Assurance:** the quality and consistency of delivery and assessment of these qualifications are of paramount importance to OCN NI. The mandatory quality assurance arrangements including processes for internal and external verification that all centres offering these qualifications must adhere to are detailed.
- **Administration:** guidance on the administrative aspects of delivering these qualifications, including registration, certification, and record-keeping.
- Reference to other handbooks and policies as appropriate to the qualifications.

It is important to note that OCN NI will communicate any significant updates or changes to this specification in writing to our Centres. Additionally, we will make these changes available on our official website at [www.ocnni.org.uk](http://www.ocnni.org.uk).

To stay current, please refer to the online version of this specification as it is the most authoritative and up-to-date publication. Be aware that downloaded and printed copies may not reflect the latest revisions.

## 4.1 Additional Support

OCN NI offers a comprehensive range of support services designed to assist Centres in meeting the delivery and quality assurance requirements of OCN NI qualifications. These services include:

- **Learner Assessment Booklets**: These booklets are created to assist learners in demonstrating the fulfilment of assessment criteria and organising the quality assurance prerequisites for each individual unit.
- **Qualification Support Pack**: A support pack has been developed to support Centres in the delivery of these qualifications. The pack includes planning and assessment templates, guides to best practice, etc.
- **Professional Development for Educators**: OCN NI provides opportunities for professional development tailored to meet the various needs of practitioners and quality assurance staff. Centres can join our training sessions, available in both face-to-face and online formats, or explore a wealth of training materials by visiting [www.ocnni.org.uk](http://www.ocnni.org.uk)
- **OCN NI Subject Advisors**: Our team of subject advisors offers vital information and support to Centres. They provide guidance on specification details, non-exam assessment advice, updates on resource developments, and various training opportunities. They actively engage with subject communities through an array of networks to facilitate the exchange of ideas and expertise, to support practitioners to provide quality education programs to learners.

All centres can access information, support and guidance to support the delivery and quality assurance of these qualifications by contacting their designated Business Development Advisor or by contacting us on [Contact Us | OCN NI](#)

## 5. About these Qualifications

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### 5.1 Qualification Regulation Information

#### OCN NI Level 2 Award in Digital Construction Skills

Qualification Number: 603/6038/0

#### OCN NI Level 2 Certificate in Digital Construction Skills

Qualification Number: 603/6037/9

Operational start date: 01 July 2020

Operational end date: 30 June 2030

Certification end date: 30 June 2032

The qualifications' operational start and end dates define the regulated qualifications' lifecycle. The operational end date is the final date for learner registration, while learners have until the certificate end date to complete the qualifications and receive their certificates.

It is important to note that all OCN NI regulated qualifications are listed on the Register of Regulated Qualifications (RQF), which can be found at [Ofqual Register](#). This register is maintained by Ofqual in England and CCEA Regulation in Northern Ireland. It contains information about qualifications that are regulated and accredited. It is a key resource for learners, employers, and educational institutions to verify the status and recognition of qualifications.

Centres must adhere to administrative guidelines diligently, with special attention to the fact that fees, registration, and certification end dates for the qualification may be subject to changes. It is a centre's responsibility to make itself aware of updates on any modifications to ensure compliance with the latest requirements. OCN NI provides centres with timely updates through various channels including website, newsletters and through this specification. Information on qualification fees can be found on the Centre Login section of the OCN NI website [www.ocnni.org.uk](http://www.ocnni.org.uk).

### 5.2 Sector Subject Area

A subject sector area is a specific category used to classify academic and vocational qualifications. Subject sector areas are part of the educational and qualifications framework to organise and categorise qualifications. The sector subject for these qualifications is:

#### 5.2 Building and construction

### 5.3 Grading

Grading for these qualifications is pass/fail.

## 5.4 Qualifications' Aims and Objectives

### Qualifications' Aim

The aim of the OCN NI Level 2 Award and Certificate in Digital Construction Skills qualifications is to provide an understanding of the implementation of Essential Digital Skills within the construction sector including Building Information Modelling (BIM).

### Qualifications' Objectives

The objectives of the OCN NI Level 2 Award and OCN NI Level 2 Award Certificate in Digital Construction Skills qualifications are to provide learners with the knowledge and skills in the following:

- digital construction
- digital skills within construction
- digital security for construction
- digital collaboration within construction
- digital communication within construction

## 5.5 Target Learners

The OCN NI Level 2 Award and OCN NI Level 2 Certificate in Digital Construction Skills qualifications are aimed at learners working within the construction sector and associated supply chains seeking to develop or enhance their digital construction knowledge and workflows.

## 5.6 Entry Requirements

There are no specific entry requirements for these qualifications, however an understanding and appreciation of the construction sector would be beneficial including construction techniques, reading construction plans/drawing, and project management and delivery. Learners must be at least 16 years of age to take these qualifications.

## 5.7 Progression

The OCN NI Level 2 Award in Digital Construction Skills will enable learners to progress to the OCN NI Level 2 Certificate in Digital Construction Skills. Learners will also have the opportunity to progress to other OCN NI Level 3 and OCN NI Level 4 Digital Construction with Building Information Modelling (BIM) and Building Information Modelling qualifications.

## 5.8 Delivery Language

These qualifications are exclusively available in English. If there is a desire to offer these qualifications in Welsh or Irish (Gaeilge), we encourage you to get in touch with OCN NI. They will assess the demand for such provisions and, if feasible, provide the qualification in the requested language as appropriate.

## 6. Centre Requirements for Delivering these Qualifications

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### 6.1 Centre Recognition

New and existing OCN NI recognised centres must apply for and be granted approval to deliver these qualifications prior to the commencement of delivery.

### 6.2 Qualification Approval

Once a Centre has successfully undergone the Centre Recognition process, it becomes eligible to apply for qualification approval. The Centre's capability to meet and sustain the qualification criteria will be assessed. Throughout the qualification approval process, OCN NI will aim to ensure that:

- centres possess suitable physical resources (e.g. equipment, IT, learning materials, teaching rooms) to support qualification delivery and assessment
- centre staff involved in the assessment process have relevant expertise and/or occupational experience
- robust systems are in place for ensuring ongoing professional development for staff delivering the qualifications
- centres have appropriate health and safety policies concerning learner equipment use
- qualification delivery by centres complies with current equality and diversity legislation and regulations
- as a part of the assessment process for these qualifications it would be useful for learners to have access to a practical work setting

### 6.3 Centre Staffing

To offer these qualifications centres are mandated to establish the following roles as a minimum, although a single staff member may serve in more than one capacity\*:

- Centre contact
- Programme Co-ordinator
- Assessor
- Internal Verifier

\*Note: An individual cannot serve as an Internal Verifier for their own assessments.

## 6.4 Tutor Requirements

Tutors responsible for delivering these qualifications are expected to possess a high degree of occupational competency. They should meet the following criteria:

- **Occupational Competency:** Tutors should demonstrate a clear understanding of the subject matter, including up-to-date knowledge of the digital construction industry. This competence should enable them to effectively impart knowledge and practical skills to learners.
- **Qualifications:** Tutors should hold qualifications at a level that is at least one level higher than the qualification they are teaching. This ensures that they have the necessary academic foundation to provide in-depth guidance and support to learners.
- **Relevant Industry Experience:** In addition to academic qualifications, tutors must have a minimum of three years of relevant, hands-on experience in the digital construction sector.

These requirements collectively ensure that learners receive instruction from highly qualified and experienced instructors, thereby enhancing the quality and effectiveness of their educational experience.

## 6.5 Assessor Requirements

The assessment of these qualifications takes place within the Centre and is subjected to OCN NI's rigorous quality assurance procedures. The achievement of individual units is based on the criteria defined in each unit.

Assessors play a pivotal role in ensuring the validity and fairness of assessments. They are required to meet the following criteria:

- **Occupational Competency:** Assessors should possess a high degree of occupational competency in the relevant subject matter. This expertise enables them to accurately evaluate and measure a learner's knowledge and skills. Additionally, they should hold qualifications at a level that is at least one level higher than the qualification they are assessing, ensuring their in-depth understanding of the subject matter.
- **Relevant Industry Experience:** A minimum of three years of practical experience in the digital construction industry is a prerequisite. This practical background is essential for assessors to effectively evaluate a learner's capabilities in real-world contexts.
- **Assessment Expertise:** Assessors should have direct or related experience in the field of assessment. This includes knowledge of best practices in designing, conducting, and grading assessments. Their expertise ensures that assessments are both fair and valid.

- **Assessors Qualification:** Assessors should hold or be currently undertaking a recognised assessor's qualification; or must have attended the OCN NI Assessment Training.
- **Comprehensive Assessment Oversight:** Assessors are responsible for evaluating all assessment tasks and activities comprehensively. They must thoroughly review and assess each element to ensure a fair and accurate representation of a learner's skills and knowledge.

These rigorous requirements uphold the quality and integrity of the qualification's assessment process, ensuring that learners receive a fair and reliable evaluation of their competencies.

## 6.6 Internal Verifier Requirements

The Internal Verifier plays a crucial role in the Centre's internal quality assurance processes. The Centre must designate a skilled and trained Internal Verifier who assumes the role of an internal quality monitor responsible for verifying the delivery and assessment of the qualifications.

The Internal Verifier for these qualifications must meet the following criteria:

- **Relevant Industry Experience:** A minimum of three years of practical experience in digital construction is a prerequisite. This practical background is essential for assessors to effectively evaluate a learner's capabilities in real-world contexts.
- **Internal Verification Expertise:** Internal Verifiers should have direct or related experience in the field of verification. This includes knowledge of best practices in designing, conducting, and grading assessments. Their expertise ensures that assessments are both fair and valid.
- **Internal Verifiers Qualification:** Internal Verifiers should hold or be currently undertaking a recognised Internal Verifier's qualification; or must have attended the OCN NI Internal Verification Training.
- **Thorough Evaluation of Assessment Tasks and Activities:** Internal verifiers are tasked with conducting in-depth reviews and assessments of all assessment tasks and activities. Their responsibility is to ensure a comprehensive and meticulous oversight of each element to guarantee a just and precise reflection of a learner's abilities and knowledge and to ensure that all assessment and quality assurance requirements are fulfilled.

## 7. Qualification Structure

### 7.1 Qualification Purpose

The OCN NI Level 2 Award and Certificate in Digital Construction Skills are unitised qualifications on a scale of pass or fail. Learners are expected to demonstrate a comprehensive understanding of the subject matter, ensuring a level of proficiency.

### 7.2 Qualification Level

In the context of the OCN NI Level 2 Award and Certificate in Digital Construction Skills it is essential to understand the significance of qualification levels, as they play a pivotal role in assessing the depth and complexity of knowledge and skills required for successful attainment. These qualifications align with Level 2, which signifies a moderate level of difficulty and intricacy. It's important to note that qualification levels in the educational framework range from Level 1 to Level 8, complemented by three 'entry' levels, namely Entry 1 to Entry 3.

### 7.3 Qualification Size

#### Total Qualification Time (TQT)

This represents the total amount of time a learner is expected to spend to complete the qualification successfully. It includes both guided learning hours (GLH) and independent study or additional learning time.

#### Guided Learning Hours (GLH)

These are the hours of guided instruction and teaching provided to learners. This may include classroom instruction, tutorials, or other forms of structured learning.

OCN NI Level 2 Award in Digital Construction Skills	
Total Qualification Time (TQT):	30 hours
Total Credits Required:	3 credits
Guided Learning Hours (GLH):	24 hours
OCN NI Level 2 Certificate in Digital Construction Skills	
Total Qualification Time (TQT):	150 hours
Total Credits Required:	15 credits
Guided Learning Hours (GLH):	120 hours

### 7.4 How to Achieve the Qualifications

To achieve the **OCN NI Level 2 Award in Digital Construction Skills** learners must successfully complete one unit - 3 credits.

To achieve the **OCN NI Level 2 Certificate in Digital Construction Skills** learners must successfully complete all five units – 15 credits.

## 8. Assessment Structure

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These qualifications are assessed through internal assessment and each unit is accompanied by specific assessment criteria that define the requirements for achievement.

### 8.1 Assessment Guidance: Portfolio

The portfolio for these qualifications is designed to provide a comprehensive view of a learner's skills and knowledge. It is an holistic collection of evidence that may include a single piece of evidence that satisfies multiple assessment criteria. There is no requirement for learners to maintain separate evidence for each assessment criterion.

When learners are creating their portfolio, they should refer to the assessment criteria to understand the evidence required.

It is essential that the evidence in the portfolio reflects the application of skills in real-world situations. Learners should ensure that they provide multiple examples or references whenever the assessment criteria require it.

### 8.2 Understanding the Units

The units outlined in this specification establish clear assessment expectations. They serve as a valuable guide for conducting assessments and ensuring quality assurance efficiently. Each unit within this specification follows a consistent structure. This section explains the operational framework of these units. It is imperative that all educators, assessors, Internal Verifiers, and other personnel overseeing the qualification review and familiarise themselves with this section to ensure a comprehensive understanding of how these units function.

- **Title:** The title will reflect the content of the unit and should be clear and concise.
- **Level:** A unit can have one of six RQF levels: Entry, One, Two, Three, Four or Five. All units within these qualifications are level 2.
- **Credit Value:** This describes the number of credits ascribed to a unit. It identifies the number of credits a learner is awarded upon successful achievement of the unit. One credit is awarded for the learning outcomes which a learner, on average, might reasonably be expected to achieve in a notional 10 hours of learning.
- **Learning Outcome:** A coherent set of measurable achievements.
- **Assessment Criteria:** These enable a judgement to be made about whether or not, and how well, the students have achieved the learning outcomes.
- **Assessment Guidance and Methods:** These detail the different assessment methods within the unit that may be used.
- **Possible Content:** This provides indicative content to assist in teaching and learning.

## 9. Qualification Summary by Unit

### OCN NI Level 2 Award in Digital Construction Skills

Total Qualification Time (TQT) for this qualification: 30 hours

Guided Learning Hours (GLH) for this qualification: 24 hours

In order to achieve this qualification, the learner must successfully complete any one unit – 3 credits.

### OCN NI Level 2 Certificate in Digital Construction Skills

Total Qualification Time (TQT) for this qualification: 150 hours

Guided Learning Hours (GLH) for this qualification: 120 hours

In order to achieve this qualification, the learner must successfully complete all five units – 15 credits.

Unit Reference Number	OCN NI Unit Code	Unit Title	Credit Value	GLH	Level
<a href="#">M/618/2078</a>	CBE902	Digital Construction	3	30	24
<a href="#">T/618/2079</a>	CBE903	Digital Skills within Construction	3	24	Two
<a href="#">K/618/2080</a>	CBE904	Digital Security for Construction	3	24	Two
<a href="#">M/618/2081</a>	CBE905	Digital Collaboration within Construction	3	24	Two
<a href="#">T/618/2082</a>	CBE906	Digital Communication within Construction	3	24	Two

## 10. Unit Content

Title	Digital Construction	
Level	Two	
Credit Value	3	
Guided Learning Hours (GLH)	24	
OCN NI Unit Code	CBE902	
Unit Reference No	M/618/2078	
<i>Unit purpose and aim(s):</i> This unit will enable the learner to develop an understanding of digital construction and the relevant technology and protocols.		
Learning Outcomes	Assessment Criteria	
1. Understand Digital Construction.	1.1. Define what is meant by Digital Construction. 1.2. Identify at least two benefits of the use of digital technologies within the construction sector. 1.3. Illustrate the importance of security protocols when working in a digital setting.	
2. Understand Building Information Modelling (BIM).	2.1. Describe what is meant by Building Information Modelling (BIM). 2.2. Define at least five key terms within BIM. 2.3. Illustrate the maturity stages of BIM implementation. 2.4. Identify at least three benefits of BIM to the construction sector.	
3. Understand technology requirements for Digital Construction.	3.1. Classify key technology requirements to enable Digital Construction implementation. 3.2. Define Common Data Environment (CDE) within the context of Digital Construction. 3.3. Illustrate collaborative working methods and protocols within a CDE.	
Assessment Guidance		
The following assessment method/s may be used to ensure all learning outcomes and assessment criteria are fully covered.		
Assessment Method	Definition	Possible Content
Portfolio of evidence	A collection of documents containing work undertaken to be assessed as evidence to meet required skills outcomes OR A collection of documents containing work that shows the learner's progression through the course	Learner notes/written work Learner log/diary Peer notes Record of observation Record of discussion
Practical demonstration/assignment	A practical demonstration of a skill/situation selected by the tutor or by learners, to enable learners to practise and apply skills and knowledge	Record of observation Learner notes/written work Learner log
E-assessment	The use of information technology to assess learners' work	Electronic portfolio E-tests

Title	Digital Skills within Construction	
Level	Two	
Credit Value	3	
Guided Learning Hours (GLH)	24	
OCN NI Unit Code	CBE903	
Unit Reference No	T/618/2079	
<i>Unit purpose and aim(s):</i> This unit will enable the learner to develop an understanding of the use of Digital Skills for construction sites.		
Learning Outcomes	Assessment Criteria	
1. Understand how to use digital skills and devices in construction.	1.1. Define cloud-based storage and how portable devices may be used to access and exchange information. 1.2. Illustrate how the use of digital skills and devices may improve access to construction information. 1.3. Illustrate the process of structured file management. 1.4. Illustrate the Health and Safety considerations for the use of digital devices on a construction site.	
2. Understand the use of Building Information Modelling (BIM) and digital skills across the construction supply chain and how it may improve project management.	2.1. Illustrate how the use of BIM and digital skills may improve coordination across the construction supply chain. 2.2. Illustrate the use of BIM for improvement of construction project management.	
3. Know how to use digital design review tools to access and evaluate a BIM model.	3.1. Illustrate the use of digital design review tools to access and evaluate a BIM model.	
Assessment Guidance		
The following assessment method/s may be used to ensure all learning outcomes and assessment criteria are fully covered.		
Assessment Method	Definition	Possible Content
Portfolio of evidence	A collection of documents containing work undertaken to be assessed as evidence to meet required skills outcomes OR A collection of documents containing work that shows the learner's progression through the course	Learner notes/written work Learner log/diary Peer notes Record of observation Record of discussion
Practical demonstration/assignment	A practical demonstration of a skill/situation selected by the tutor or by learners, to enable learners to practise and apply skills and knowledge	Record of observation Learner notes/written work Learner log
E-assessment	The use of information technology to assess learners' work	Electronic portfolio E-tests

Title	Digital Security for Construction	
Level	Two	
Credit Value	3	
Guided Learning Hours (GLH)	24	
OCN NI Unit Code	CBE904	
Unit Reference No	K/618/2080	
<i>Unit purpose and aim(s):</i> This unit will enable the learner to develop a fundamental understanding of the information management and security requirements for working within digital construction.		
<b>Learning Outcomes</b>	<b>Assessment Criteria</b>	
1. Understand the need for security when working and sharing information within a digital platform in construction.	1.1. Identify online risks and threats, including their impact and how they may be managed. 1.2. Illustrate where information may be stored and describe methods to protect data and devices, 1.3. Describe the use of wireless networks and associated security risks.	
2. Understand construction industry requirements for the exchange of data.	2.1. Describe the construction industry security management process associated with Building Information Modelling (BIM) and the Exchange Information Requirements (EIR). 2.2. Illustrate standards for the establishment of a common data environment, including processes, procedures and security.	
3. Understand how to apply appropriate construction industry security measures.	3.1. Identify suitable construction industry security measures and procedures associated with people, process, physical and technical security. 3.2. Illustrate construction industry security backup procedures.	
<b>Assessment Guidance</b>		
The following assessment method/s may be used to ensure all learning outcomes and assessment criteria are fully covered.		
<b>Assessment Method</b>	<b>Definition</b>	<b>Possible Content</b>
Portfolio of evidence	A collection of documents containing work undertaken to be assessed as evidence to meet required skills outcomes OR A collection of documents containing work that shows the learner's progression through the course	Learner notes/written work Learner log/diary Peer notes Record of observation Record of discussion
Practical demonstration/assignment	A practical demonstration of a skill/situation selected by the tutor or by learners, to enable learners to practise and apply skills and knowledge	Record of observation Learner notes/written work Learner log
E-assessment	The use of information technology to assess learners' work	Electronic portfolio E-tests

Title	Digital Collaboration within Construction	
Level	Two	
Credit Value	3	
Guided Learning Hours (GLH)	24	
OCN NI Unit Code	CBE905	
Unit Reference No	M/618/2081	
<i>Unit purpose and aim(s):</i> This unit will enable the learner to develop a fundamental understanding of digital collaboration within construction and how it may minimise inefficiency.		
<b>Learning Outcomes</b>	<b>Assessment Criteria</b>	
1. Understand the traditional delivery processes within the construction sector and how advances in digital processes may improve efficiency.	1.1. Describe traditional project delivery methods identifying their inefficiencies in sharing of information. 1.2. Identify how the advancement of digital construction processes may improve efficiency.	
2. Understand Common Data Environment (CDE).	2.1. Describe the use of a common data environment, including: a) processes and procedures for sharing information b) data security	
3. Understand how to use digital technologies for collaboration.	3.1. Illustrate how cloud and application-based collaborative tools may be used to enhance team communication and information management.	
<b>Assessment Guidance</b>		
The following assessment method/s may be used to ensure all learning outcomes and assessment criteria are fully covered.		
<b>Assessment Method</b>	<b>Definition</b>	<b>Possible Content</b>
Portfolio of evidence	A collection of documents containing work undertaken to be assessed as evidence to meet required skills outcomes OR A collection of documents containing work that shows the learner's progression through the course	Learner notes/written work Learner log/diary Peer notes Record of observation Record of discussion
Practical demonstration/assignment	A practical demonstration of a skill/situation selected by the tutor or by learners, to enable learners to practise and apply skills and knowledge	Record of observation Learner notes/written work Learner log
E-assessment	The use of information technology to assess learners' work	Electronic portfolio E-tests

Title	Digital Communication within Construction	
Level	Two	
Credit Value	3	
Guided Learning Hours (GLH)	24	
OCN NI Unit Code	CBE906	
Unit Reference No	T/618/2082	
<i>Unit purpose and aim(s):</i> This unit will enable the learner to develop an understanding of Digital Communication skills within digital construction.		
Learning Outcomes	Assessment Criteria	
1. Understand how digital communication may be used for information exchange within construction.	1.1. Describe the importance of collating accurate information during the design and construction stage. 1.2. Identify at least three forms of appropriate modes of online communication for sharing information relevant within construction. 1.3. Illustrate how digital technologies may be used to achieve information exchanges within construction.	
2. Understand the use of digital information exchange tools in digital construction.	2.1. Identify at least three digital information exchange modes in digital construction. 2.2. Identify the technical requirements associated with data management. 2.3. Summarise the importance of information exchange standards in digital construction.	
3. Understand construction industry requirements for the capture and exchange of data.	3.1. Illustrate the use of a common data environment, including structure, processes, procedures and security. 3.2. Describe how digital technologies may be used to capture and communicate information within the construction industry.	
Assessment Guidance		
The following assessment method/s may be used to ensure all learning outcomes and assessment criteria are fully covered.		
Assessment Method	Definition	Possible Content
Portfolio of evidence	A collection of documents containing work undertaken to be assessed as evidence to meet required skills outcomes OR A collection of documents containing work that shows the learner's progression through the course	Learner notes/written work Learner log/diary Peer notes Record of observation Record of discussion
Practical demonstration/assignment	A practical demonstration of a skill/situation selected by the tutor or by learners, to enable learners to practise and apply skills and knowledge	Record of observation Learner notes/written work Learner log
E-assessment	The use of information technology to assess learners' work	Electronic portfolio E-tests

## 11. Quality Assurance of Centre Performance

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### 11.1 Internal Assessment

When delivering and assessing these qualifications, Centres must align with stakeholders' expectations and address learners' needs by implementing a practical and applied programme. Centres have the flexibility to customise programmes to meet local requirements and establish connections with local employers and the broader vocational sector.

The Assessor should work with the Internal Verifier to ensure that the assessment is planned in line with OCN NI requirements. Assessment Plans must be developed and approved by the Internal Verifier prior to the delivery of the qualification.

All units within these qualifications must undergo internal assessment. Learners must provide evidence that they have appropriately met all assessment criteria required for that grade.

The assessment format for all units involves a task conducted after the delivery of the unit's content, or part of it, if multiple tasks are used. Tasks may exhibit in various forms, encompassing practical and written types. Please refer to 'OCN NI's Assessment Definitions Guide' for additional details.

A task constitutes a distinct activity completed independently by learners, separated from teaching, practice, exploration, and other activities guided by tutors. Tasks are assigned to learners with a specified start date, completion date, and explicit requirements for the evidence to be produced. Some tasks may include observed practical components and require diverse forms of evidence.

A valid assignment will enable a clear and formal assessment outcome, which meets the requirements of the assessment criteria. Assessment decisions are based on the specific assessment criteria given in each unit and set at each grade level. The way in which individual units are written provides a balance of assessment of understanding, practical skills and vocational attributes appropriate to the purpose of qualifications.

It is the Assessor's role to ensure that learners are appropriately prepared for assessment, this begins from induction onwards. Assessors should ensure that learners understand how assessment tasks are used to determine the award of credit, the importance of meeting assessment timelines, and that all learners work must be independently created, where source documents are used this should be appropriately referenced, learners should be aware of what would constitute plagiarism and the possible consequences.

When conducting the assessment, Assessors must ensure they do not provide direct input, instructions or specific feedback which may compromise the authenticity of the work submitted.

Once the Assessor has authenticated the learners work, they must transparently demonstrate the rationale behind their assessment decisions. Once a learner completes all assigned tasks for a unit, the Assessor will allocate a grade for the unit. Refer to the 'Unit Grading Matrix' for additional information on the grading process.

Once the Assessor has completed the assessment process for the task, the assessment decision is recorded formally, and feedback is provided to the learner. The feedback should show the learner the outcome of the assessment decision, how it was determined or where the criteria has been met, it may indicate to the learner why achievement of the assessment criteria has not been met. It must be clear to the learner that this Assessment outcome is subject to verification.

For further information on assessment practice, please see the 'OCN NI Centre Handbook'. Assessment Training is also available and can be booked through the OCN NI Website.

## **11.2 Internal Verification**

The role of the Internal Verifier is to ensure appropriate internal quality assurance processes are carried out. The Internal Verifier must oversee that assessments are conducted in accordance with relevant OCN NI policies, regulations, and this specification.

The Internal Verifier must ensure assessments are fair, reliable, and uniform, thereby providing a consistent standard for all learners.

Internal Verifiers are required to provide constructive feedback to Assessors, identifying areas of strength and those that may require improvement. This feedback contributes to the ongoing professional development of Assessors.

Contributing to the standardisation of assessment practices within the Centre is an important function of this role. This entails aligning assessment methods, grading criteria, and decision-making processes to maintain fairness and equity.

Internal Verifiers will actively engage in the sampling and monitoring of assessments to ensure the consistency and accuracy of assessment decisions. This process helps identify trends, areas for improvement, and ensures the robustness of the overall assessment system.

For further information on internal verification practice, please see the 'OCN NI Centre Handbook'. Internal Verification Training is also available and can be booked through the OCN NI Website.

### 11.3 Documentation

For internal quality assurance processes to be effective, the internal assessment and internal verification team needs to keep effective records.

- The programme must have an assessment and internal verification plan. When producing a plan, they should consider:
  - the time required for training and standardisation activities
  - the time available to undertake teaching and carry out assessment,
  - consider when learners may complete assessments and when quality assurance will take place
  - the completion dates for different assessment tasks
  - the date by which the assignment needs to be internally verified
  - sampling strategies
  - how to manage the assessment and verification of learners' work so that they can be given formal decisions promptly
  - how resubmission opportunities can be scheduled.

The following documents are available from OCN NI and document templates can be found in the Centre Login section of the OCN NI website [www.ocnni.org.uk](http://www.ocnni.org.uk):

- A1 – Learner Assessment Record per Learner
- A2 – Assessment Decision Form per Learner
- learner authentication declarations
- Records of any reasonable adjustments applied for and the outcome – please see 'OCN NI's Reasonable Adjustments and Special Consideration Policy' for further information
- M1 Internal Verification Sample Record
- M2 Feedback to Assessor
- Records of any complaints or appeals

### 11.4 External Quality Assurance

All OCN NI recognised centres are subject to External Quality Assurance. External quality assurance activities will be conducted to confirm continued compliance with the CCEA Regulation General Conditions of Recognition, OCN NI terms and conditions and the requirements outlined within this qualification specification.

The External Quality Assurance is assigned by OCN NI. The External Quality Assurer will review the delivery and assessment of these qualifications. This will include, but is not limited to, the review of a sample of assessment evidence and evidence of the internal verification of assessment and assessment decisions. This will form the basis of the External Quality Assurance report and will help OCN NI determine the Centres risk.

The role of the External Quality Assurer serves as an external overseer of assessment quality, working to uphold consistency, compliance, and continuous improvement within the assessment process. Their role is crucial in ensuring that assessments are valid, reliable, fair, and aligned with the required standards and regulations.

For further information on OCN NI Centre Assessments Standards Scrutiny (CASS) Strategy, please see the OCN NI Centre Handbook.

## 11.5 Standardisation

As a process, standardisation is designed to ensure consistency and promote good practice in understanding and the application of standards. Standardisation events:

- make qualified statements about the level of consistency in assessment across centres delivering a qualification
- make statements on the standard of evidence that is required to meet the assessment criteria for units in a qualification
- make recommendations on assessment practice
- produce advice and guidance for the assessment of units
- identify good practice in assessment and internal verification

Centres offering these qualifications must carry out internal standardisation activities prior to the claim for certification.

Centres offering units of an OCN NI qualification must attend and contribute assessment materials and learner evidence for standardisation events if requested.

OCN NI will notify centres of the nature of sample evidence required for standardisation events (this will include assessment materials, learner evidence and relevant Assessor and Internal Verifier documentation). OCN NI will make standardisation summary reports available and correspond directly with centres regarding event outcomes.

## 12. Administration

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### 12.1 Registration

A centre must register learners for these qualifications within 20 days of commencement of the delivery of the programme.

For further information on learner registration please see the OCN NI Centre Handbook and the QuartzWeb Manual, available through the Centre Login section of the OCN NI website. Administration training is also available and can be booked through [www.ocnni.org.uk](http://www.ocnni.org.uk).

### 12.2 Certification

Once all internal quality assurance activities have been successfully completed, the Centre can claim certification for the learner(s).

Certificates will be issued to centres within 20 working days from completion of a satisfactory external quality assurance activity, if appropriate, alternatively from the submission of an accurate and complete marksheet.

It is the responsibility of the centre to ensure that certificates received from OCN NI are held securely and distributed to learners promptly and securely.

For further information on the uploading of results please see the QuartzWeb Manual for guidance, administration training is also available and can be booked through [OCN NI](#)

### 12.3 Charges

OCN NI publishes all up-to-date qualification fees in its Fees and Invoicing Policy document. Further information can be found on the centre login area of the OCN NI website.

### 12.4 Equality, Fairness and Inclusion

OCN NI's are committed to ensuring all learners have an equal opportunity to access our qualifications and assessment, and that our qualifications are awarded in a way that is fair to every learner.

OCN NI is committed to making sure that:

- learners with a protected characteristic are not, when they are undertaking one of our qualifications, disadvantaged in comparison to learners who do not share that characteristic
- all learners achieve the recognition they deserve for undertaking a qualification and that this achievement can be compared fairly to the achievement of their peers

For information on reasonable adjustments and special considerations please see the OCN NI Centre Handbook and Reasonable Adjustments and Special Considerations Policy held in the back office of the OCN NI website.

## **12.5 Retention of Evidence**

OCN NI has published guidance for centres on the retention of evidence. Details are provided in the OCN NI Centre Handbook and can be accessed via the OCN NI website.

**OCN NI Level 2 Award in Digital Construction Skills**  
**Qualification Number: 603/6038/0**

**OCN NI Level 2 Certificate in Digital Construction Skills**  
**Qualification Number: 603/6037/9**

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Operational start date: 01 July 2020  
Operational end date: 30 June 2030  
Certification end date: 30 June 2032

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