

apprenticeship FRAMEWORK

The Water Industry (Wales)

IMPORTANT NOTIFICATION FOR ALL APPRENTICESHIP STARTS FROM 14 OCTOBER 2016

Modifications to SASW came into effect on 14 October 2016. These changes relate to the Essential Skills and Employer Rights and Responsibilities requirements of a framework and they **ONLY** apply to new Apprenticeship starts on, or after, 14th October. Apprenticeship starts before this date must continue to meet the 2013 SASW requirements for Essential Skills and Employer Rights and Responsibilities.

For more details of the changes and how they will affect new apprenticeship starts, please read the following preface page to the framework document. NB: Please check the "Revising a Framework" section for information on any additional changes that may have been made to this framework.

Latest framework version?

For any previous versions of this framework: www.acwcerts.co.uk/framework_library

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Apprenticeship Certification
Wales

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The Water Industry (Wales)

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Framework information

Information on the Issuing Authority for this framework:

Energy and Utility Skills

The Apprenticeship sector for occupations in electricity, gas and water supply, and waste management (also includes gas utilisation, recycling and waste water collection and treatment)

Issue number: 7	This framework includes:
Framework ID: FR04169	Level 2 <input checked="" type="checkbox"/> Level 3 <input checked="" type="checkbox"/> Level 4-7 <input checked="" type="checkbox"/>
Date this framework is to be reviewed by: 01/10/2016	This framework is for use in: Wales

Short description

The water industry faces some key challenges including an ageing workforce, ageing infrastructure, a need to embrace new technologies to meet low carbon targets and a skills deficit in craft, technical and engineering roles.

The purpose of this Foundation Apprenticeship, Apprenticeship and Higher Apprenticeship is to support the industry to address these challenges by developing occupational competence in a wide range of job roles in the water industry.

Contact information

Proposer of this framework

[Energy & Utility Skills (EU Skills) has engaged employers on the development of this framework through the Water Industry Strategic Steering Group (WISSG).

WISSG is an established employer-led group of water companies and contractor employers chaired by Pam James of Southern Water. Its purpose is to work collaboratively to formulate skills strategy and drive a programme of key projects to ensure sustainable skills competence in the Industry. WISSG has membership across the UK water industry and reports to Water UK, the representative organisation which brings together all of the UK's water and wastewater utilities.

Membership of WISSG includes:

Anglian Water, Bournemouth & West Hampshire, Bristol Water, Cambridge Water, Dee Valley Water, Dwr Cymru - Welsh Water, Mid Kent Water, Northern Ireland Water, Northumbrian Water, Severn Trent, Scottish Water, South East Water, Southern Water, South Staffordshire Water, South West Water, Thames Water, United Utilities, Wessex Water, Yorkshire Water, Veolia Water, Balfour Beatty, Biwater, Clancy Docwra, Daniel Contractors, Morgan Est, Morrison Utility Services, Mott McDonald, British Water, GMB, The Society of British Water and Wastewater Industries (SBWWI) and UNISON.

A dedicated sub group reporting into WISSG was established to steer development of the sewerage maintenance qualification and Apprenticeship pathway. The organisations represented include Dyno Rod/British Gas, South West Water, Northumbrian Water, WRc, the National Sewerage Association and the Water Jetting Association.

Developer of this framework

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Revising a framework

Why this framework is being revised

[This framework has been revised to:

- remove the mandatory ERR component throughout

Summary of changes made to this framework

[See above

Qualifications removed

[None]

Qualifications added

[None]

Qualifications that have been extended

[No qualifications have been extended.

Purpose of this framework

Summary of the purpose of the framework

The water industry is made up of the regulated water utility companies, non-regulated subsidiary water utility companies (i.e. involved in construction, engineering, consultancy, etc.) and the supply chain. Combined, the industry starts at the generation of clean water right through to the stop valve in the customer's property. It also covers the collection and treatment of waste water collected through public sewers and private drains. 7,500 people work in the water industry in Wales; of these, 2,000 people are employed by the regulated water companies and utilities.

There are a number of key drivers for skills and employment within the industry:

- Since privatisation of the water industry in 1989 in England and Wales, regulatory pressure from OFWAT (the economic regulator for the water and sewerage industry in England and Wales) has driven a steady decline in employee numbers as companies seek to achieve efficiency targets with employers having to consider headcount targets over and above retention of key skills and expertise.
- The industry has experienced a low turnover of staff (around 3% p.a.) during the process of downsizing and consequently the historic investment in skills has remained relatively low. However, the industry is now facing an ageing workforce which is forecast to worsen over the next 15 years. Significant additional investment in skills is, therefore, required to refresh the workforce.
- There are also a range of programmes underway to replace, grow and operate assets and distribution infrastructures which set new demands on both resource availability and the skills levels/mix of the workforce. Although technology has improved the effectiveness of these activities over the last 20 years, increasing environmental demands and cost pressures require a continuous process of re-evaluating asset investments and operation. This process has a direct impact on the workforce at all organisational levels and will continue to do so in the future.
- The drive for a UK-wide reduction in carbon emissions to meet climate change commitments is impacting on the industry. The increased use of renewable and low carbon technologies is driving the capability profile of the industry workforce.
- Skills are integrally linked to innovation; as higher skills levels allow workers to generate new ideas and adapt to the changing economic environment. Additionally, with a more skilled managerial and general workforce, organisations are better able to introduce technological and organisational change.
- Critically, the UK water industry is inherent to the maintenance of public health. Water service companies (companies that provide water supply and sewerage services) and water supply only companies must demonstrate to the Drinking Water Inspectorate (DWI) that their workforce is competent before being issued a licence to supply water.

The purpose of this Foundation Apprenticeship, Apprenticeship and Higher Apprenticeship is to provide a recruitment and training tool to bring new entrants into the industry and develop job competence in a range of job roles at levels 2, 3 and 4. Examples of these job roles include:

Level 2 - Wastewater Operative - Conduct operational activities on the sewerage network, support the maintenance of public health and support appropriate risk assessment.

Level 3 - Network Design Technician - Assess factors that impact on water network design, provide technical information for the design of water networks, produce detailed drawings to support water network activities and use technical information to review water network drawings.

Level 4 - Leakage Manager - Managing leakage control activities on the water distribution network.

This Apprenticeship provides employers with the ability to develop a sustainable workforce and address current and future skills gaps, critical today where skilled employees are becoming increasingly difficult to recruit.

This Foundation Apprenticeship, Apprenticeship and Higher Level Apprenticeship is a key priority of WISSG.

For further information on the water industry and the drivers for skills and Apprenticeships please refer to the Sector Skills Assessment 2010 available to download at:
<http://www.euskills.co.uk/home/news/research/>

Aims and objectives of this framework (Wales)

Aim:

To contribute to the development of a sustainable workforce for the UK water industry.

Objectives:

- To attract new workers to the industry.
- To develop occupational competence in a wide range of job roles in the industry.
- To facilitate progression within the industry.
- To meet the demand for higher level skills.
- To contribute to meeting the skills priorities for Wales.]

Entry conditions for this framework

The Apprenticeship in the Water Industry is open to individuals of any age and does not impose any restrictions to entry. Responsibility for selection and recruitment of Apprentices lies with the employer who will have a clear idea of their requirements.

The qualifications included within the Apprenticeship are demanding, particularly so at Apprenticeship and Higher Apprenticeship level. Many employers will therefore, look for applicants who have gained the Welsh Baccalaureate Intermediate Diploma or above to demonstrate an ability to complete the Apprenticeship. The qualifications within the Foundation Apprenticeship are less complex and consequently employers may relax their recruitment criteria.

Employers must be confident that the potential Apprentice has the learning potential/capacity, motivation and aptitude to achieve all of the mandatory outcomes of the framework.

Employers are asked to be flexible when recruiting people onto the Apprenticeship. Where employers/providers have robust learner support systems in place (such as tutorials and mentoring programmes), an individual who historically has not done particularly well at reading, writing and numeracy may thrive on an Apprenticeship where the relevance and application of these subjects is understood.

Individuals that meet the following considerations are likely to be suitable for this Apprenticeship:

- The water industry is potentially very dangerous so the safety of Apprentices, their work colleagues and the public are of the utmost importance. Apprentices must be very safety conscious and have a very responsible attitude to work, working in accordance with company health and safety procedures at all times.
- Any person working on a restricted operations sites such as service reservoirs, pumping stations, treatment works, wells, spring and boreholes and working on the network of water mains and service pipes must be in possession of a National Water Hygiene card, so in most cases Apprentices will be required to undertake the National Water Hygiene training course and assessment during their Apprenticeship. Apprentices must be prepared to undergo health screening to ensure that they are not carriers of any waterborne diseases before a National Water Hygiene Card can be issued.
- Apprentices must be prepared to wear the Personal Protective Equipment (PPE) provided when required.
- These may be physically demanding jobs that involve bending, lifting and manual handling so a basic level of fitness is important to be able to conduct the job efficiently.
- Many of these jobs involve work outdoors, so Apprentices should be prepared to work in any kind of weather.
- Apprentices will need to have good practical skills for handling tools and instruments and be prepared for some hard work. These are very skilled jobs and some aspects require

significant amounts of concentration.

- Some job roles will require shift work to ensure plant and equipment is operational 24 hours a day. Apprentices therefore need to be adaptable and flexible.
- Some of these job roles involve travelling as Apprentices may work at different sites so a driving license is desirable.
- Some of these job roles involve dealing with the general public on a day-to-day basis so Apprentices should be presentable and have a polite and courteous manner.
- Ability to work as part of a team and independently.
- Good self-discipline and timekeeping.
- Apprentices need to be enthusiastic with a positive attitude and a keen interest in the water industry.

Initial assessment

Initial assessment will be used by training providers and/or employers to identify prior learning and experience to tailor the Apprentice's Individual Learning Plan, not for screening out applicants. In the case of APL for competence, knowledge or Essential Skills Wales, the Apprenticeship programme must be tailored to allow the Apprentice to undertake new learning, including learning at a higher level and develop new skills.]

Level 2

Title for this framework at level 2

Foundation Apprenticeship in the Water Industry

Pathways for the framework at level 2:

Pathway 1: The Water Industry

Pathway 2: Sewerage Operations and Maintenance

Level 2, Pathway 1: The Water Industry

Description of this pathway

The Foundation Apprenticeship in the Water Industry requires a minimum total of 72 credits to be achieved. These are broken down as follows:

23 for competence

37 for knowledge

12 for ESW in Communication and Application of Number

Entry requirements for this pathway in addition to the framework entry requirements

There are no entry requirements for this pathway in addition to the general framework entry requirements.

Job title(s)	Job role(s)
Water Distribution	Address customers' water distribution related enquiries, carry out valve operations on the distribution network, determine the exact location of water loss, cleanse and disinfect water mains, carry out sampling operations, measure system performance, provide and maintain emergency water supplies.
Leakage Operative	Ensure actions reduce risks to health and safety in the industry, assess the configuration of the metered area on the water supply network, trace the route of water pipes and locate surface fittings, determine the location of water loss.
Water Mainlayer	Using maps and plans to locate digging location, preparing excavations by hand or use of mechanical equipment, laying and repairing mains pipes or systems and making connections to the water network. Repairing excavations and pavements on completion of work.
Water Servicelayer	Using maps and plans to locate digging location, preparing excavations by hand or use of mechanical equipment, laying and repairing service pipes or systems and making connections to the water network. Repairing excavations and pavements on completion of work.
Wastewater Operative	Conduct operational activities on the sewerage network, support the maintenance of public health and support appropriate risk assessments.

Qualifications

Competence qualifications available to this pathway

C1 - CABWI Level 2 Diploma In Distribution Control (QCF)

No.	Ref no.	Awarding organisation	Credit value	Guided learning hours	UCAS points value
C1a	600/2036/2	CABWI	38	262-280	N/A

C2 - CABWI Level 2 Certificate In Leakage Detection (QCF)

No.	Ref no.	Awarding organisation	Credit value	Guided learning hours	UCAS points value
C2a	600/1987/6	CABWI	23	123	N/A

C3 - Level 2 Certificate In Network Construction Operations (Water) - Service Layer (QCF)

No.	Ref no.	Awarding organisation	Credit value	Guided learning hours	UCAS points value
C3a	600/2045/3	CABWI	32	228-253	N/A
C3b	600/1828/8	Edexcel	32	198-223	N/A
C3c	600/2669/8	City & Guilds	32	198/223	N/A

C4 - Level 2 Diploma In Network Construction Operations (Water) - Main Layer (QCF)

No.	Ref no.	Awarding organisation	Credit value	Guided learning hours	UCAS points value
C4a	600/2044/1	CABWI	37	273-298	N/A
C4b	600/1820/3	Edexcel	37	223-248	N/A
C4c	600/2670/4	City & Guilds	37	223-248	N/A

C5 - Level 2 Diploma In Network Construction Operations (Water) - Repair and Maintenance (QCF)

No.	Ref no.	Awarding organisation	Credit value	Guided learning hours	UCAS points value
C5a	600/2043/X	CABWI	43	308	N/A
C5b	600/1814/8	Edexcel	43	268	N/A
C5c	600/2668/6	City & Guilds	43	268	N/A

C6 - CABWI Level 2 Extended Diploma in Operating Process Plant (Ground Water Treatment)

No.	Ref no.	Awarding organisation	Credit value	Guided learning hours	UCAS points value
C6a	600/4972/8	CABWI	52	262-307	N/A

C7 - CABWI Level 2 Diploma in Operating Process Plant (Ground Water Treatment) (QCF)

No.	Ref no.	Awarding organisation	Credit value	Guided learning hours	UCAS points value
C7a	600/4917/0	CABWI	42	212-227	N/A

C8 - CABWI Level 2 Diploma in Operating Process Plant (Surface Water Treatment) (QCF)

No.	Ref no.	Awarding organisation	Credit value	Guided learning hours	UCAS points value
C8a	600/4923/6	CABWI	65	312-327	N/A

C9 - CABWI Level 2 Extended Diploma in Operating Process Plant (Surface Water Treatment)

No.	Ref no.	Awarding organisation	Credit value	Guided learning hours	UCAS points value
C9a	600/4925/x	CABWI	69	337-362	N/A

C10 - CABWI Level 2 Diploma in Operating Process Plant (Waste Water Treatment) (QCF)

No.	Ref no.	Awarding organisation	Credit value	Guided learning hours	UCAS points value
C10a	600/4926/1	CABWI	58	279-304	N/A

C11 - CABWI Level 2 Extended Diploma in Operating Process Plant (Waste Water Treatment)

No.	Ref no.	Awarding organisation	Credit value	Guided learning hours	UCAS points value
C11a	600/4927/3	CABWI	74	351-389	N/A

C12 - CABWI Level 2 Diploma in Operating Process Plant (Sludge Treatment) (QCF)

No.	Ref no.	Awarding organisation	Credit value	Guided learning hours	UCAS points value
C12a	600/4928/5	CABWI	46	224-254	N/A

Knowledge qualifications available to this pathway**K1 - CABWI Level 2 Diploma In Water Engineering (Water Operations) (QCF)**

No.	Ref no.	Awarding organisation	Credit value	Guided learning hours	UCAS points value
K1a	600/2047/7	CABWI	43	320	N/A

K2 - CABWI Level 2 Diploma In Water Engineering (Network Construction Operations) (QCF)

No.	Ref no.	Awarding organisation	Credit value	Guided learning hours	UCAS points value
K2a	600/2048/9	CABWI	41	410	N/A

K3 - CABWI Level 2 Diploma in Water Engineering (Wastewater Operations)

No.	Ref no.	Awarding organisation	Credit value	Guided learning hours	UCAS points value
K3a	600/2049/0	CABWI	43	359	N/A

K4 - CABWI Level 2 Diploma in Water Engineering (Water Supply) (QCF)

No.	Ref no.	Awarding organisation	Credit value	Guided learning hours	UCAS points value
K4a	601/3570/0	CABWI	37	218-251	N/A

Combined qualifications available to this pathway

N/A

Relationship between competence and knowledge qualifications

Apprentices must complete the qualifications that align to the job role they are employed in.

Competence

C1 must be taken by apprentices employed in a Water Distribution Operative role

C2 must be taken by apprentices employed in a Leakage Operative role

C3 or C5 must be taken by apprentices employed in a Water Servicelayer role

C4 or C5 must be taken by apprentices employed in a Water Mainlayer role

One of C6, C7, C8, C9, C10, C11 or C12 must be taken by apprentices employed in a Process Operator role. The exact nature of the role will determine which of C6-C12 is most appropriate.

Knowledge

K1 provides underpinning knowledge and understanding for C6, C7, C8 & C9.

K2 provides underpinning knowledge and understanding for C3, C4 & C5.

K3 provides underpinning knowledge and understanding for C10, C11 & C12.

K4 provides underpinning knowledge and understanding for C1 and C2

Learners who have already achieved competence and/or knowledge qualifications before entry to the Apprenticeship must select options which will equip them with new skills and learning.

Essential Skills Wales - IT

Occupationally specific IT skills are important for Apprentices in these job roles and as such these skills are delivered through the competence qualification.

The IT skills delivered through Essential Skills Wales are not essential to effective performance in the job role and therefore the Functional Skills qualification in IT is not a mandatory requirement of this Apprenticeship.]

Essential Skills

An apprenticeship framework must specify as a Welsh certificate requirement the expected achievement levels of Essential Skills in Communication and the Application of Number.

Where Essential Skills qualifications are specified in an apprenticeship framework, the apprenticeship framework must specify the acceptance of a recognised proxy qualification for Communication and Application of Number.

Communication

For the current list of acceptable proxy qualifications and appropriate **minimum** grade/level requirements, please refer to the most recent version of [SASW](#) on the [gov.wales](#) website. Additional guidance materials can be found on the [Knowledge Base](#) section of the [ACW](#) website.

Does this framework require Communication achievement above the minimum SASW requirement? **YES** **NO**

If YES, please state the grade/level required for English and give a brief **REASON** as to why this is required:

[Enter alternative grade/level requirements and reasons here.]

Application of Number

For the current list of acceptable proxy qualifications and appropriate **minimum** grade/level requirements, please refer to the most recent version of [SASW](#) on the [gov.wales](#) website. Additional guidance materials can be found on the [Knowledge Base](#) section of the [ACW](#) website.

Does this framework require Application of Number achievement above the minimum SASW requirement? **YES** **NO**

If YES, please state the grade/level required for Maths and give a brief **REASON** as to why this is required:

[Enter alternative grade/level requirements and reasons here.]

Inclusion of Digital Literacy (ICT)

Digital Literacy (ICT) is an **optional** framework requirement.

Is Digital Literacy a requirement in this framework? **YES** **NO**

Digital Literacy (ICT)

Please note that there are currently no acceptable proxy qualifications for Digital Literacy (ICT).

For the current **minimum** grade/level requirements, please refer to the most recent version of [SASW](#) on the [gov.wales](#) website. Additional guidance materials can be found on the [Knowledge Base](#) section of the [ACW](#) website.

Does this framework require Digital Literacy (ICT) achievement above the minimum SASW requirement? **YES** **NO**

If YES, please state the grade/level required for **Digital Literacy (ICT)** and give a brief **REASON** as to why this is required:

[Enter alternative grade/level requirements and reasons here.]

Progression routes into and from this pathway

Progression routes into the pathway:

Applicants may come from a range of routes including:

- Work or work experience
- Training and/or experience which could include a portfolio showing what they have done
- Academic qualification(s) such as the Welsh Baccalaureate
- Achievement of Essential Skills Wales
- Successful completion of a Young Apprenticeship

Individuals must meet the entry conditions (see entry conditions) of the Foundation Apprenticeship and the recruiting employer.

Existing members of the workforce may also progress into this Foundation Apprenticeship.

Progression routes out of the pathway:

The Apprentice's knowledge about career pathways, information sources and the names of relevant professional bodies are developed as part of the Employee Rights and Responsibilities component of this Foundation Apprenticeship.

Throughout any career in the water industry, individuals will be provided with the necessary on-going on and off job training, including refresher training and new skills training, to enable them to carry out their job role competently.

On completion of the Foundation Apprenticeship under normal circumstances graduate Apprentices may continue to work as a competent operative in their current job role.

Completion of the Foundation Apprenticeship supports progression onto the Apprenticeship in the Water Industry. Apprentices can also progress horizontally within the industry to complete competence qualifications at the same level or complete components of the Apprenticeship such as level 3 competence units relevant to the job role.

For the right individual, this Foundation Apprenticeship can provide a springboard to an exciting career in the water industry.

For further information on careers in the water industry please visit www.euskills.co.uk/careers

... The Water Industry (Wales)
..... level 2
..... Pathway 1

UCAS points for this pathway:

[Not applicable]

Employee rights and responsibilities

Please note that for Apprenticeship starts from 14/10/2016 onwards ERR is no longer a **mandatory** requirement in all frameworks.

However, it may still be included in some frameworks and where it is not explicitly stated that ERR is not a requirement then confirmation of an Apprentice's ERR achievement will still remain a requirement for Apprenticeship certification purposes.

Is ERR a requirement for this framework? **YES** **NO**

Delivery and assessment

[N/A]

[

Level 2, Pathway 2: Sewerage Operations and Maintenance

Description of this pathway

The Foundation Apprenticeship in Sewerage Operations and Maintenance requires a minimum total of 49 credits to be achieved. These are broken down as follows:

37 combined qualification (of which 13 are knowledge)

12 for ESW in Communication and Application of Number

Entry requirements for this pathway in addition to the framework entry requirements

There are no additional requirements other than the general entry conditions.

Job title(s)	Job role(s)
Sewerage Water Jetting Operative	Restore sewers and ancillaries to an appropriate condition using water jetting equipment.
Sewerage Investigative (CCTV) Operative	Monitor sewers and ancillaries using CCTV equipment.
Sewer Network Repair and Maintenance Operative	Carry out inspection and remedial repair and maintenance of sewers and ancillaries.
Sewerage Trenchless Technology Operative	Restore sewers and ancillaries to an appropriate condition using trenchless technology techniques.

Qualifications

Competence qualifications available to this pathway

N/A

Knowledge qualifications available to this pathway

N/A

Combined qualifications available to this pathway

B1 - CABWI Level 2 Diploma in Sewerage and Drainage Operations

No.	Ref no.	Awarding organisation	Credit value	Guided learning hours	UCAS points value
B1a	601/1489/7	CABWI	37-45	202-255	N/A

Relationship between competence and knowledge qualifications

Qualification B1a provides the knowledge and skills required for job competence for apprentices following the Foundation Apprenticeship in Sewerage Operations and Maintenance.

Job roles for this qualification are:

- Sewerage Jetting Operative
- Sewerage Investigative (CCTV) Operative
- Sewerage Manual Pipe Layer Operative (repair and maintenance)
- Sewerage Trenchless Technology Operative

Within the qualification B!a are three pathways and apprentices must choose the units/pathway appropriate to their job role -

Apprentices working as Water Jetting Operatives must take Pathway 1

Apprentices working as Sewerage Investigative Operatives must take Pathway 2

Apprentices working as Sewerage Manual Pipe Layer Operatives (repair and maintenance) and Sewerage Trenchless Technology Operatives must take Pathway 3

This is an integrated qualification which combines the assessment of competence and technical knowledge elements to allow for flexibility for employers and apprentices.

There is one unit within the qualification which is a specific knowledge unit:

- Sewerage and Drainage Essential Knowledge (D/505/6501) 9 credits and the additional credits for knowledge are gained through the integrated assessment of competence and knowledge (a minimum of 4 additional credits for knowledge are contained within the mandatory units)

Essential Skills Wales - IT

Occupationally specific IT skills are important for Apprentices in these job roles and as such these skills are delivered through the competence qualification.

The IT skills delivered through Essential Skills Wales are not essential to effective performance in the job role and therefore the Functional Skills qualification in IT is not a mandatory requirement of this Apprenticeship.

Essential Skills

An apprenticeship framework must specify as a Welsh certificate requirement the expected achievement levels of Essential Skills in Communication and the Application of Number.

Where Essential Skills qualifications are specified in an apprenticeship framework, the apprenticeship framework must specify the acceptance of a recognised proxy qualification for Communication and Application of Number.

Communication

For the current list of acceptable proxy qualifications and appropriate **minimum** grade/level requirements, please refer to the most recent version of [SASW](#) on the [gov.wales](#) website. Additional guidance materials can be found on the [Knowledge Base](#) section of the [ACW](#) website.

Does this framework require Communication achievement above the minimum SASW requirement? **YES** **NO**

If YES, please state the grade/level required for English and give a brief **REASON** as to why this is required:

Enter alternative grade/level requirements and reasons here.

Application of Number

For the current list of acceptable proxy qualifications and appropriate **minimum** grade/level requirements, please refer to the most recent version of [SASW](#) on the [gov.wales](#) website. Additional guidance materials can be found on the [Knowledge Base](#) section of the [ACW](#) website.

Does this framework require Application of Number achievement above the minimum SASW requirement? **YES** **NO**

If YES, please state the grade/level required for Maths and give a brief **REASON** as to why this is required:

Enter alternative grade/level requirements and reasons here.

Inclusion of Digital Literacy (ICT)

Digital Literacy (ICT) is an **optional** framework requirement.

Is Digital Literacy a requirement in this framework? **YES** **NO**

Digital Literacy (ICT)

Please note that there are currently no acceptable proxy qualifications for Digital Literacy (ICT).

For the current **minimum** grade/level requirements, please refer to the most recent version of [SASW](#) on the [gov.wales](#) website. Additional guidance materials can be found on the [Knowledge Base](#) section of the [ACW](#) website.

Does this framework require Digital Literacy (ICT) achievement above the minimum SASW requirement? **YES** **NO**

If YES, please state the grade/level required for **Digital Literacy (ICT)** and give a brief **REASON** as to why this is required:

Enter alternative grade/level requirements and reasons here.

Progression routes into and from this pathway

Progression routes into the pathway:

Applicants may come from a range of routes including:

- Work or work experience
- Training and/or experience which could include a portfolio showing what they have done
- Academic qualification(s) such as the Welsh Baccalaureate
- Achievement of Essential Skills Wales
- Successful completion of a (14-19) Diploma in particular the Diploma in Environmental and Land-Based Studies.
- Individuals must meet the entry conditions (see entry conditions) of the Foundation Apprenticeship and the recruiting employer.
- Existing members of the workforce may also progress into this Foundation Apprenticeship.

Progression routes out of the pathway:

The Apprentice's knowledge about career pathways, information sources and the names of relevant professional bodies are developed as part of the Employee Rights and Responsibilities component of this Foundation Apprenticeship.

Throughout any career in the water industry, individuals will be provided with the necessary on-going on and off job training, including refresher training and new skills training, to enable them to carry out their job role competently.

On completion of the Foundation Apprenticeship under normal circumstances Apprentices will continue to work as a competent operative in their current job role.

Completion of the Foundation Apprenticeship supports a range of horizontal and vertical progression opportunities.

Apprentices can progress horizontally to other specialisms for example to water jetting or CCTV. Successful completion of the Foundation Apprenticeship facilitates progression onto the Apprenticeship in the Water Industry.

Apprentices can also progress vertically to Team Leader to Foreman to Junior Manager upwards. They could progress into sales (of company services), to in house trainers (of the qualifications they have achieved) or to health and safety inspection (of works conducted). Apprentices can also complete level 3 units relevant to their job role.

For the right individual, this Foundation Apprenticeship can provide a springboard to an

... The Water Industry (Wales)
..... level 2
..... Pathway 2

exciting career in the water industry.

For further information on careers in the water industry please visit www.euskills.co.uk/careers

UCAS points for this pathway:

Not applicable

Employee rights and responsibilities

Please note that for Apprenticeship starts from 14/10/2016 onwards ERR is no longer a **mandatory** requirement in all frameworks.

However, it may still be included in some frameworks and where it is not explicitly stated that ERR is not a requirement then confirmation of an Apprentice's ERR achievement will still remain a requirement for Apprenticeship certification purposes.

Is ERR a requirement for this framework? **YES** **NO**

Delivery and assessment

N/A

Level 3

Title for this framework at level 3

Apprenticeship in the Water Industry

Pathways for the framework at level 3:

Pathway 1: The Water Industry

Level 3, Pathway 1: The Water Industry

Description of this pathway

The Apprenticeship in the Water Industry requires a minimum total of 123 credits to be achieved. These are broken down as follows:

34 for competence

71 for knowledge

18 for ESW

Entry requirements for this pathway in addition to the framework entry requirements

There are no entry requirements for this pathway in addition to the general framework entry requirements.

Job title(s)	Job role(s)
Leakage Field Technician	Evaluate data to identify potential water leakage, determine leakage detection methods and techniques in response to water loss, programme, deploy and collect data from data-logging equipment and utilise and confirm performance of measuring equipment on the water distribution network.
Network Design Technician	Assess factors that impact on water network design, provide technical information for the design of water networks, produce detailed drawings to support water network activities and use technical information to review water network drawings.
Water Distribution Technician	Plan for operational activities on the water supply network; ensure the maintenance of water quality and continuation of supply and carry out appropriate risk assessments.
Water Fittings Inspector	Plan and schedule water regulations inspections, inspect domestic and non-domestic premises for compliance with water fittings regulations, secure compliance with water fittings regulations and provide information for use in legal procedures.
Process Operations Technician	Maintain a safe working environment for treatment process operations, conduct health and safety risk assessments, monitor and maintain the quality of treatment processes, monitor and maintain treatment processing at optimum performance, organise and carry out the maintenance of process equipment.
Network Construction Technician	Conduct risk assessments and operational planning for network construction operations, locate and avoid supply apparatus and sub-structures, monitor signing, lighting, guarding and excavation of the highway, monitor and implement water network construction operations.
Process Operations Supervisor	Maintain a safe working environment, conduct health and safety risk assessments, monitor and maintain the quality of treatment processes, monitor and maintain treatment processing at optimum performance, set objectives and provide support for team members, plan, allocate and monitor work of a team.
Wastewater Technician	Plan for operational activities on the sewerage network, ensure the maintenance of public health and carry out appropriate risk assessments.

Qualifications

Competence qualifications available to this pathway

C1 - CABWI Level 3 Certificate In Maintain Water Supply (Network) (QCF)

No.	Ref no.	Awarding organisation	Credit value	Guided learning hours	UCAS points value
C1a	600/2037/4	CABWI	34	125-152	N/A

C2 - CABWI Level 3 Certificate In Water Fittings Regulations Enforcement (QCF)

No.	Ref no.	Awarding organisation	Credit value	Guided learning hours	UCAS points value
C2a	600/2031/3	CABWI	35	201-211	N/A

C3 - CABWI Level 3 Diploma In Controlling Process Operations (QCF)

No.	Ref no.	Awarding organisation	Credit value	Guided learning hours	UCAS points value
C3a	600/2035/0	CABWI	67	321	N/A

C4 - CABWI Level 3 Diploma In Designing Water Networks (QCF)

No.	Ref no.	Awarding organisation	Credit value	Guided learning hours	UCAS points value
C4a	600/2038/6	CABWI	42	178	N/A

C5 - CABWI Level 3 Diploma In Leakage Control (QCF)

No.	Ref no.	Awarding organisation	Credit value	Guided learning hours	UCAS points value
C5a	600/1988/8	CABWI	48	231-274	N/A

C6 - CABWI Level 3 Diploma In Managing and Controlling Process Operations (QCF)

No.	Ref no.	Awarding organisation	Credit value	Guided learning hours	UCAS points value
C6a	600/2034/9	CABWI	56	306	N/A

C7 - CABWI Level 3 Diploma In Network Construction Operations (Water) (QCF)

No.	Ref no.	Awarding organisation	Credit value	Guided learning hours	UCAS points value
C7a	600/2039/8	CABWI	53	220-223	N/A

Knowledge qualifications available to this pathway

K1 - CABWI Level 3 Diploma In Water Engineering (QCF)

No.	Ref no.	Awarding organisation	Credit value	Guided learning hours	UCAS points value
K1a	600/2051/9	CABWI	71	610-640	N/A

Combined qualifications available to this pathway

N/A

Relationship between competence and knowledge qualifications

Apprentices must complete the qualifications appropriate to their job role.

C1 must be taken by apprentices employed as Water Distribution Technician

C2 must be taken by apprentices employed as a Water Fittings Inspector

C3 must be taken by apprentices employed as a Process Operations Technician or Wastewater Technician

C4 must be taken by apprentices employed as a Network Design Technician

C5 must be taken by apprentices employed as a Leakage Field Technician

C6 must be taken by apprentices employed as a Process Operations Supervisor or Wastewater Technician

C7 must be taken by apprentices employed as a Network Construction Technician

K1 provides the underpinning knowledge and understanding for C1-C7.

Learners who have already achieved competence and/or knowledge qualifications before entry to the Apprenticeship must select options which will equip them with new skills and learning.

Essential Skills

An apprenticeship framework must specify as a Welsh certificate requirement the expected achievement levels of Essential Skills in Communication and the Application of Number.

Where Essential Skills qualifications are specified in an apprenticeship framework, the apprenticeship framework must specify the acceptance of a recognised proxy qualification for Communication and Application of Number.

Communication

For the current list of acceptable proxy qualifications and appropriate **minimum** grade/level requirements, please refer to the most recent version of [SASW](#) on the [gov.wales](#) website. Additional guidance materials can be found on the [Knowledge Base](#) section of the [ACW](#) website.

Does this framework require Communication achievement above the minimum SASW requirement? **YES** **NO**

If YES, please state the grade/level required for English and give a brief **REASON** as to why this is required:

Enter alternative grade/level requirements and reasons here.

Application of Number

For the current list of acceptable proxy qualifications and appropriate **minimum** grade/level requirements, please refer to the most recent version of [SASW](#) on the [gov.wales](#) website. Additional guidance materials can be found on the [Knowledge Base](#) section of the [ACW](#) website.

Does this framework require Application of Number achievement above the minimum SASW requirement? **YES** **NO**

If YES, please state the grade/level required for Maths and give a brief **REASON** as to why this is required:

Enter alternative grade/level requirements and reasons here.

Inclusion of Digital Literacy (ICT)

Digital Literacy (ICT) is an **optional** framework requirement.

Is Digital Literacy a requirement in this framework? **YES** **NO**

Digital Literacy (ICT)

Please note that there are currently no acceptable proxy qualifications for Digital Literacy (ICT).

For the current **minimum** grade/level requirements, please refer to the most recent version of [SASW](#) on the [gov.wales](#) website. Additional guidance materials can be found on the [Knowledge Base](#) section of the [ACW](#) website.

Does this framework require Digital Literacy (ICT) achievement above the minimum SASW requirement? **YES** **NO**

If YES, please state the grade/level required for **Digital Literacy (ICT)** and give a brief **REASON** as to why this is required:

Enter alternative grade/level requirements and reasons here.

Progression routes into and from this pathway

Progression routes into the pathway:

Applicants may come from a range of routes including:

- Foundation Apprenticeship in the Water Industry
- Work or work experience
- Training and/or experience which could include a portfolio showing what they have done
- Academic qualification(s) such as the Welsh Baccalaureate Intermediate Diploma
- Achievement of Essential Skills Wales
- Successful completion of a Young Apprenticeship

Individuals must meet the entry conditions (see entry conditions) of the Apprenticeship and the recruiting employer.

Existing members of the workforce may also progress into this Apprenticeship.

Progression routes out of the pathway:

The Apprentice's knowledge about career pathways, information sources and the names of relevant professional bodies are developed as part of the Employee Rights and Responsibilities component of this Apprenticeship.

Throughout any career in the water industry, individuals will be provided with the necessary on-going on and off job training, including refresher training and new skills training, to enable them to carry out their job role competently.

On completion of the Apprenticeship and under normal circumstances graduate Apprentices may continue to work as a competent operative in their current job role.

Progression will depend on the performance and motivation of the individual and the vacancies/opportunities available within the company. It is possible for supervisors to move

across to other industry areas or to become the managers of the future. For these individuals, opportunities to achieve further qualifications, which might include a level 4 competence based qualification, will be available. The Higher Level Apprenticeship in Utilities Network Planning and Management Industry provides a progression pathway for Apprentices that successfully complete the Apprenticeship.

Graduate Apprentices could progress to complete one or more of the following qualifications:

- Higher National Certificate (HNC) in Water Operations delivered by Cardonald College by distance learning and Watertrain.
- Higher National Certificate (HNC) in Civil Engineering delivered widely across the UK
- Level 4 Diploma in Utilities Network Planning and Management delivered by Watertrain.

Apprentices can work towards membership of the Institute of Water which is licensed to register members on the register of engineers and technicians maintained by the Engineering Council. The Institute is also licensed by the Society for the Environment to award Chartered Environmentalist (CEnv) which demonstrates professionalism in sustainable environmental management and development.

For the right individual, this programme can provide a springboard to an exciting career in the water industry.

For further information on careers in the water industry please visit www.euskills.co.uk/care

UCAS points for this pathway:

Not applicable

Employee rights and responsibilities

Please note that for Apprenticeship starts from 14/10/2016 onwards ERR is no longer a **mandatory** requirement in all frameworks.

However, it may still be included in some frameworks and where it is not explicitly stated that ERR is not a requirement then confirmation of an Apprentice's ERR achievement will still remain a requirement for Apprenticeship certification purposes.

Is ERR a requirement for this framework? **YES** **NO**

Delivery and assessment

N/A

Level 4

Title for this framework at level 4

Utilities Network Planning and Management

Pathways for the framework at level 4:

Pathway 1: Utilities Network Planning and Management

Level 4, Pathway 1: Utilities Network Planning and Management

Description of this pathway

This Higher Apprenticeship in Utilities Network Planning and Management requires a minimum of 153 credits to be achieved. These are broken down as follows:

47 - competence

88 - knowledge

18 - ESW

Entry requirements for this pathway in addition to the framework entry requirements

There are no additional requirements other than the general entry conditions.

Job title(s)	Job role(s)
Network Manager	Responsibility for the daily operations of the water or sewerage network.
Leakage Manager	Managing leakage control activities on the water distribution network.
Asset Engineer	Developing asset management strategies for the water industry for inclusion with capital development plans.
(Trainee) Network Modeller	Design of computer models that reflect the operation of water and sewerage networks for on-going operational management and future enhancements.
Design Technician / Project Engineer	Working with senior engineers on the design of assets in the water industry.

Qualifications

Competence qualifications available to this pathway

C1 - CABWI Level 4 Diploma In Utilities Network Planning and Management (QCF)

No.	Ref no.	Awarding organisation	Credit value	Guided learning hours	UCAS points value
C1a	600/8287/2	CABWI	47	235-289	N/A

Knowledge qualifications available to this pathway

K1 - HNC Water Operations

No.	Ref no.	Awarding organisation	Credit value	Guided learning hours	UCAS points value
K1a	G979 15	SQA	88	480	N/A

K2 - Edexcel BTEC Level 4 HNC Diploma in Construction and the Built Environment (QCF)

No.	Ref no.	Awarding organisation	Credit value	Guided learning hours	UCAS points value
K2a	500/8276/0	Edexcel	120	500	N/A

Combined qualifications available to this pathway

N/A

Relationship between competence and knowledge qualifications

C1 is appropriate for Apprentices employed in all of the job roles this Higher Apprenticeship was developed to underpin. Employers can tailor the qualification directly to the Apprentices' job role through the mandatory units chosen.

K1 and K2 provide underpinning knowledge and understanding for C1.

Essential Skills

An apprenticeship framework must specify as a Welsh certificate requirement the expected achievement levels of Essential Skills in Communication and the Application of Number.

Where Essential Skills qualifications are specified in an apprenticeship framework, the apprenticeship framework must specify the acceptance of a recognised proxy qualification for Communication and Application of Number.

Communication

For the current list of acceptable proxy qualifications and appropriate **minimum** grade/level requirements, please refer to the most recent version of [SASW](#) on the [gov.wales](#) website. Additional guidance materials can be found on the [Knowledge Base](#) section of the [ACW](#) website.

Does this framework require Communication achievement above the minimum SASW requirement? **YES** **NO**

If YES, please state the grade/level required for English and give a brief **REASON** as to why this is required:

Enter alternative grade/level requirements and reasons here.

Application of Number

For the current list of acceptable proxy qualifications and appropriate **minimum** grade/level requirements, please refer to the most recent version of [SASW](#) on the [gov.wales](#) website. Additional guidance materials can be found on the [Knowledge Base](#) section of the [ACW](#) website.

Does this framework require Application of Number achievement above the minimum SASW requirement? **YES** **NO**

If YES, please state the grade/level required for Maths and give a brief **REASON** as to why this is required:

Enter alternative grade/level requirements and reasons here.

Inclusion of Digital Literacy (ICT)

Digital Literacy (ICT) is an **optional** framework requirement.

Is Digital Literacy a requirement in this framework? **YES** **NO**

Digital Literacy (ICT)

Please note that there are currently no acceptable proxy qualifications for Digital Literacy (ICT).

For the current **minimum** grade/level requirements, please refer to the most recent version of [SASW](#) on the [gov.wales](#) website. Additional guidance materials can be found on the [Knowledge Base](#) section of the [ACW](#) website.

Does this framework require Digital Literacy (ICT) achievement above the minimum SASW requirement? **YES** **NO**

If YES, please state the grade/level required for **Digital Literacy (ICT)** and give a brief **REASON** as to why this is required:

Enter alternative grade/level requirements and reasons here.

Progression routes into and from this pathway

Progression routes into the pathway:

Applicants may come from a range of routes including:

- Apprenticeship in the Water Industry
- Work or work experience
- Training and/or experience which could include a portfolio showing what they have done
- Academic qualification(s) such as the Welsh Baccalaureate Intermediate Diploma
- Mature candidates currently employed by the but taking a career change

Individuals must meet the entry conditions (see entry conditions) of the Higher Apprenticeship and the recruiting employer. Existing members of the workforce may also progress into this Higher Apprenticeship as well as new recruits.

Progression routes out of the pathway:

The Apprentice's knowledge about career pathways, information sources and the names of relevant professional bodies are developed as part of the Employee Rights and Responsibilities component of this Higher Apprenticeship.

Throughout any career in the water industry, individuals will be provided with the necessary on-going on and off job training, including refresher training and new skills training, to enable them to carry out their job role competently.

On completion of the Higher Apprenticeship and under normal circumstances, graduate Apprentices may continue to work as a competent manager or engineer in their current job role. Progression will depend on the performance and motivation of the individual and the vacancies/opportunities available within the company. It is possible for Managers and/or Engineers to move across to other industry areas and progress both horizontally and vertically within the industry. For these individuals, opportunities to achieve further qualifications, which might include a level 4 competence based qualification, will be available.

Graduate Apprentices may progress onto a 1st Degree in Civil Engineering. Completion of the Apprenticeship is recognised by the Institute of Water for professional registration against Engineering Council parameters.

For the right individual, this programme can provide a springboard to an exciting and rewarding career in the water industry.

For further information on careers in the water industry please visit www.euskills.co.uk/careers

UCAS points for this pathway:

Not applicable

Employee rights and responsibilities

Please note that for Apprenticeship starts from 14/10/2016 onwards ERR is no longer a **mandatory** requirement in all frameworks.

However, it may still be included in some frameworks and where it is not explicitly stated that ERR is not a requirement then confirmation of an Apprentice's ERR achievement will still remain a requirement for Apprenticeship certification purposes.

Is ERR a requirement for this framework? **YES** **NO**

Delivery and assessment

N/A

The remaining sections apply to all levels and pathways within this framework.

How equality and diversity will be met

Under-representation

The under-representation of women and those from a black or minority ethnic (BME) background remains a key priority for the industry. Females constitute only 28% of the workforce compared to the 43% UK average. In addition, only 4% of the water industry workforce is from a black or minority ethnic (BME) background compared to 8% of the UK workforce.

Barriers to entry and progression

Unfounded but widespread perceptions about the water industry provide the main barrier to entry and progression for these under-represented groups.

Solutions to entry and progression

Apprenticeships are seen as a vital route to encourage and facilitate a greater diversity of individuals into the industry. This Apprenticeship does not discriminate. Employers/providers must be able to demonstrate that there are no overt or covert discriminatory practices in selection and employment. All promotional, selection and training activities must comply with relevant legislation, in particular, the protected characteristics of the Equality Act 2010. For guidance please refer to:

www.equalityhumanrights.com/advice-and-guidance/new-equality-act-guidance/

Equal opportunities policies and procedures will contribute to the Employee Rights and Responsibilities component of this Apprenticeship. It is recommended that employers/providers conduct an exit interview if the Apprentice leaves the Apprenticeship before completion.

The larger employers in the industry are actively involved in initiatives to increase representation of women and BME groups in the industry. Energy & Utility Skills will support these initiatives by promoting specifically to these groups. Take up will be monitored through analysis of statistical returns from the Welsh Government and through certification data.

EU Skills will continue to host stands at careers fairs and participate in skills competitions where we can promote this Apprenticeship to all

groups including females and BME. In addition we have developed a number of case studies of successful women working in the sector which we are using to encourage new female entrants.

These case studies can be accessed at: <http://www.euskills.co.uk/careers/>

On and off the job training

Summary of on- and off-the-job training

Training hours attached to the Apprenticeship refers to the time taken by the apprentice to develop the practical skills and underpinning knowledge to demonstrate competence in their job role.

Training hours are delivered during contracted working hours under an Apprenticeship Agreement, or during a qualifying period ending on the date of application for a certificate (5 years is recommended, but a shorter/longer timescale can be set).

On and off the job training hours:

must be planned, reviewed and evaluated jointly between the apprentice and tutor, teacher, mentor or manager:

must allow training support via a tutor, teacher, mentor or manager;

are delivered through one or more of the following methods: individual and group teaching, e-learning, distance learning, coaching, mentoring; feedback and assessment;

collaborative/networked learning with peers; guided study

The industry would expect the Foundation Apprenticeship in the Water Industry to take between 16 and 18 months to complete. Where this is the case a minimum of 496 training hours must be completed over the duration of the Apprenticeship.

The industry would expect the Foundation Apprenticeship in Sewerage Operations and Maintenance to take a minimum of 24 months to complete. Where this is the case a minimum of 313 training hours must be completed over the duration of the Apprenticeship.

The industry would expect the Apprenticeship to take between 20 and 24 months to complete. Where this is the case a minimum of 911 training hours must be completed over the duration of the Apprenticeship.

The industry would expect the Higher Apprenticeship to take 24 months to complete. Where this is the case a minimum of 927 training hours must be completed over the duration of the Apprenticeship.

Off-the-job training

Off the job training hours are the hours associated with learning that takes place "away from the immediate pressures of the job" for example, in a training room on the employers' premises.

Over the duration of the Foundation Apprenticeship in the Water Industry a minimum of 373 training hours must be completed off the job. It is anticipated that these training hours will be broken down as follows:

14 - induction

218 - knowledge qualification

45 - level 1 Essential Skills Wales in Application of Number

45 - level 1 Essential Skills Wales in Communications

5 - progress reviews (at least one hour every 12 weeks for the duration of the programme)

- 30 - coaching
- 16 - mentoring (at least one hour every month for the duration of the programme)

Over the duration of the Foundation Apprenticeship in Sewerage Operations and Maintenance, a minimum of 196 training hours must be completed off the job. It is anticipated that these training hours will be broken down as follows:

- 14 - induction
- 60 - knowledge in the combined qualification
- 45 - level 2 Essential Skills Wales in Application of Number
- 45 - level 2 Essential Skills Wales in Communication
- 8 - progress reviews (at least one hour every 12 weeks for the duration of the programme)
- 24 - mentoring (at least one hour every month for the duration of the programme)

Over the duration of the Apprenticeship, a minimum of 786 training hours must be completed off the job. It is anticipated that these training hours will be broken down as follows:

- 14 - induction
- 610 - knowledge qualification
- 45 - level 2 Essential Skills Wales in Application of Number
- 45 - level 2 Essential Skills Wales in Communication
- 45 - level 2 Essential Skills Wales in Information Communication Technology
- 7 - progress reviews (at least one hour every 12 weeks for the duration of the programme)
- 20 GLH - mentoring (at least one hour every month for the duration of the programme)

Over the duration of the Higher Apprenticeship a minimum of 691 training hours must be completed off the job. It is anticipated that these training hours will be broken down as follows:

- 14 - induction
- 480 - knowledge qualification
- 45 - Level 2 Essential Skills Wales in Maths
- 45 - Level 2 Essential Skills Wales in English
- 45 - Level 2 Essential Skills Wales in ICT
- 30 - related to completion of the Employment Rights and Responsibilities (ERR) workbook
- 8 - progress reviews (at least one hour every 12 weeks for the duration of the programme)
- 24 - mentoring (or at least one hour every month for the duration of the programme)

How this requirement will be met

Delivery and recording of off the job training hours:

Off the job training hours are the hours associated with learning that takes place "away from the immediate pressures of the job" for example, in a training room on the employers' premises.

Off-the-job training hours will be delivered through the knowledge qualification, the knowledge element of the combined qualification, ESW, ERR, progress reviews, mentoring and coaching. This could include training hours delivered through access to a computer through working hours, day release, block release etc.

EU Skills recommends that a plan is developed at the outset of the Apprenticeship to determine how the training hours requirement will be met. Training hours should be recorded by the apprentice; for example through a diary or portfolio.

Evidence of completion of the total off the job training hours:

Off-the-job training hours will be evidenced through:

Certificate of achievement for the relevant knowledge or combined qualification
Certificate of achievement for ESW
Completed ERR workbook sign off sheet (where appropriate)

This evidence must be submitted in order to apply for an Apprenticeship completion certificate. In addition, when claiming an Apprenticeship completion certificate, providers will be required to submit an Apprentice Declaration and Authorisation form to EU Skills via Apprenticeship Certification Wales (ACW - <http://acwcerts.co.uk/>). As part of this form, Apprentices and the claimant of their completion certificate must sign to declare that the apprentice has received the required minimum levels of training hours as set out in this framework. This form can be downloaded from <http://acwcerts.co.uk/>

Training hours must be recorded by the apprentice, for example through a log, diary or portfolio.]

On-the-job training

[On the job learning hours refer to the time taken to develop the practical skills applied in the

context of the apprentices' day to day job role. It can be seen as the time the apprentice spends undertaking activities that are routine for their job role and that provide the opportunity to learn, develop and practice skills.

The minimum on the job learning hours are:

Foundation Apprenticeship in the Water Industry: 123 learning hours

Foundation Apprenticeship in Sewerage Operations and Maintenance: 117 learning hours

Apprenticeship: 125 learning hours

Higher Apprenticeship: 235 learning hours

How this requirement will be met

On-the-job training hours will be delivered and evidenced through successful completion (demonstrated through a certificate of achievement) of the relevant competence qualification or competence element of a combined qualification.

This evidence must be submitted in order to apply for an Apprenticeship completion certificate. In addition, when claiming an Apprenticeship completion certificate, providers will be required to submit an Apprentice Declaration and Authorisation form to EU Skills via Apprenticeship Certification Wales (ACW - <http://acwcerts.co.uk/>). As part of this form, Apprentices and the claimant of their completion certificate must sign to declare that the apprentice has received the required minimum levels of training hours as set out in this framework. This form can be downloaded from <http://acwcerts.co.uk/>

Training hours must be recorded by the apprentice, for example through a log, diary or portfolio.]

Wider key skills assessment and recognition

While Wider Key Skills are not a **mandatory** part of the framework, training providers are encouraged to provide apprentices the opportunity to achieve them.

For this framework, there are natural opportunities for Wider Key Skills to be embedded within the mandatory units of the following qualifications:

[Enter Qualification Names]

Improving own learning and performance

[This is not a mandatory outcome of the framework because these skills are not essential for effective performance in the job role; however, Apprentices, especially those following the Higher Apprenticeship, are encouraged to complete this wider key skill where they are able to. Providers should support Apprentices that wish to do so.]

Working with others

[This is not a mandatory outcome of the framework because these skills are not essential for effective performance in the job role; however, Apprentices, especially those following the Higher Apprenticeship, are encouraged to complete this wider key skill where they are able to. Providers should support Apprentices that wish to do so.]

Problem solving

[This is not a mandatory outcome of the framework because these skills are not essential for effective performance in the job role; however, Apprentices, especially those following the Higher Apprenticeship, are encouraged to complete this wider key skill where they are able to. Providers should support Apprentices that wish to do so.]

apprenticeship FRAMEWORK

For more information visit-
www.acwcerts.co.uk/framework_library