apprenticeship FRAMEWORK

Electrotechnical (Wales)

Latest framework version?

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Prentisiaethau Apprenticeships

Electrotechnical (Wales)

Contents

Framework information

Information on the Issuing Authority for this framework:

Instructus

The Apprenticeship sector for occupations in air conditioning, building services engineering, business and administration, cleaning, customer service, digital/information technology, electro technical, electrical and electronic servicing, enterprise and business support, facilities management, heating and ventilating, housing, human resources and recruitment, industrial relations, leadership and management, marketing and sales (also includes contact centres and third sector), plumbing, property and refrigeration.

Issue number: 4	**This framework includes:**
Framework ID: FR04233	Level 2 ☐ Level 3 ☒ Level 4-7 ☐
Date this framework is to be reviewed by: 01/04/2023	**This framework is for use in: Wales**

Short description

Apprenticeship (Level 3) frameworks in the Electrotechnical Industry are designed to reflect the industry's competence requirements. In this document are the following occupation framework pathways:

- Electrical Installation
- Electrical Maintenance
- Highway Electrical Systems Service & Maintenance
- Highway Electrical Systems Commissioning.

Successful completion of these Apprenticeship (Level 3) frameworks reflect the ability to identify and use relevant understanding, methods and skills to complete tasks and address problems that, while well defined, have a measure of complexity. This includes taking responsibility for initiating and completing tasks and procedures, as well as exercising autonomy and judgement within parameters. It also reflects awareness of different

perspectives or approaches within an area of study or work.

Roles in this framework are likely to fit into Standard Occupational Code (SOC): 21

These Apprenticeship (Level 3) frameworks can be completed within 42 months.

Job roles:

- Installation Electrician
- Maintenance Electrician
- Highway Electrical Systems Service & Maintenance Electrician
- Highway Electrical Systems Commissioning Electrician.

Contact information

Proposer of this framework

N/A

Developer of this framework

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Revising a framework

Why this framework is being revised

This framework has been updated by Instructus Skills in order to amend contact details, and ensure all qualifications are up to date.

Summary of changes made to this framework

Two pathways have been withdrawn due to all qualifications no longer awarded or not available for new learners:

Level 3, Pathway 3: Highway Electrical Systems Service & Maintenance
Level 3, Pathway 4: Highway Electrical Systems Commissioning

Qualifications removed

Pathway 3:

501/1578/9 Lantra Level 3 NVQ Diploma in Servicing Highway Electrical Systems
500/6254/2 Lantra Level 3 Certificate in Highway Electrical Work (Public Lighting)
500/6252/9 Lantra Level 3 Certificate in Highway Electrical Work (Traffic Signals)

Pathway 4:

501/1579/0 Lantra Level 3 NVQ Diploma in Servicing and Commissioning Highway Electrical Systems
500/6254/2 Lantra Level 3 Certificate in Highway Electrical Work (Public Lighting) 500/6252/9 Lantra Level 3 Certificate in Highway Electrical Work (Traffic Signals

Qualifications added

None

Qualifications that have been extended

N/A

Purpose of this framework

Summary of the purpose of the framework

These occupation framework pathways are designed to provide individuals with the opportunity to develop competencies that are needed to carry out job roles and responsibilities associated with the installation and/or maintenance of electrotechnical systems and equipment in buildings, structures and the environment, including relevant:

- Sustainable Building Practices
- Environmental Technologies
- Technological requirements and changes
- Statutory and Non- Statutory Regulations & Requirements
- Working practices in accordance with Health and Safety requirements
- Inspection, testing and commissioning procedures.

The following job roles will be covered in these frameworks:

- Installation Electrician
- Maintenance Electrician
- Highway Electrical Systems Service & Maintenance Electrician
- Highway Electrical Systems Commissioning Electrician.

Aims and objectives of this framework (Wales)

The aim of this framework document is to ensure that the Apprenticeship (Level 3) frameworks deliver:

- The Skills and Knowledge required by the industry to achieve competence
- Job related skills that will be used in the working environment
- Transferable Skills
- Career progression.

Employers have endorsed this programme as it delivers qualified competent employees and improves productivity and retention.

Please refer to the Instructus Skills website for more information: www.instructus-skills.org

Entry conditions for this framework

A career in the Electrotechnical Industry will not only reward an apprentice's potential, but also offer opportunities to enhance their technical capability. The industry always needs individuals of appropriate ability, and in return offers a varied and rewarding career in a challenging working environment. Although there are generally no nationally laid-down minimum entry or previous experience requirements to undertake the Apprenticeship (Level 3) in Electrical Installation, Electrical Maintenance, Highway Electrical Systems Service & Maintenance or Highway Electrical Systems Commissioning the following selection criteria may be used as guidance.

The programme is likely to be suitable for individuals who:

- Have an aptitude for technical subjects and/or are practically minded
- Have an interest in technology
- Can demonstrate an ability to solve practical problems.

Other selection criteria may include:

- Motivation to succeed
- Willingness to learn and apply that learning in the workplace/job role
- Enthusiasm and attitude to work
- Ability to demonstrate that they have the potential to achieve the qualifications which are part of the Apprenticeship (Level 3) frameworks
- Ability to communicate effectively with a range of people
- Being numerate and literate
- Good colour vision to recognise colour coded wires and components
- Ability to work at heights or in confined spaces
- Willingness to work outside
- Willingness to work unsociable hours
- Willingness to undergo Disclosure and Barring Service (DBS) check when required.

Examples of formal qualifications that could indicate that an applicant has the potential to progress into the Apprenticeship (Level 3) in Electrical Installation, Electrical Maintenance, Highway Electrical Systems Service & Maintenance or Highway Electrical Systems Commissioning are:

- Welsh Baccalaureate Intermediate Diploma
- Completion of a 'Pathway to Apprenticeship' in Engineering
- Successful completion of one of the Foundation (Level 2) frameworks from the Building Services Engineering sector

- GCSE grade A-C in each of the following:- a communication subject, maths and either a science or technical-based subject
- Level 2 GNVQs in relevant vocational/technical subjects
- A Level 2 'Access to Building Services Engineering' qualification.

No individual should be refused access to an initial assessment on the basis of educational qualifications alone. The ultimate responsibility for selection will rest with the individual employer.

Level 3

Apprenticeships (Level 3) in the Electrotechnical Industry

Pathways for the framework at level 3:

Pathway 1:   Electrical Installation
Pathway 2:   Electrical Maintenance

Level 3, Pathway 1: Electrical Installation

Description of this pathway

Electrical Installation (installing, testing, inspecting and commissioning electrotechnical systems and equipment in buildings, structures and the environment) - 122 credits in total.

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

No additional requirements.

Job title(s)	Job role(s)
Installation Electrician	Completes and oversees the installation, inspection, testing and commissioning of electrical systems, devices, appliances and equipment in domestic, industrial, commercial, leisure and agricultural buildings, structures and environments

Qualifications

Competence qualifications available to this pathway

N/A

Knowledge qualifications available to this pathway

N/A

Combined qualifications available to this pathway

No.	Ref no.	Awarding organisation	Credit value	Guided learning hours	UCAS points value
	B1 – Level 3 NVQ Diploma in Installing Electrotechnical Systems and Equipment				
B1a	501/1605/8	EAL	104	726	1044
B1b	501/2232/0	City & Guilds	104	726	1040

Relationship between competence and knowledge qualifications

This framework requires the completion of either of the combined qualifications B1a or B1b identified in the combined qualifications section B1 above.

Qualification Title - Level 3 NVQ Diploma in Installing Electrotechnical Systems and Equipment (Buildings, Structures and the Environment) which has:

Knowledge Units

- Understanding Health and Safety legislation, practices and procedures - installing and maintaining electrotechnical systems and equipment H/602/2523 *Unit Credit Value 6*
- Understanding environmental legislation, working practices and the principles of environmental technology systems M/602/2525 *Unit Credit Value 4*
- Understanding the practices and procedures for overseeing and organising the work environment - electrical installation J/602/2532 *Unit Credit Value 6*
- Understanding the practices and procedures for the preparation and installation of wiring systems and electrotechnical equipment in buildings, structures and the environment T/602/2560 *Unit Credit Value 10*
- Understanding the principles of planning and selection for the installation of electrotechnical equipment and systems in buildings, structures and the environment A/602/2561 *Unit Credit Value 8*
- Understanding the principles, practices and legislation for the termination and connection of conductors, cables and cords in electrical systems J/602/2563 *Unit Credit Value 9*
- Understanding principles, practices and legislation for the inspection, testing, commissioning and certification of electrotechnical systems and equipment in buildings, structures and the environment D/602/2567 *Unit Credit Value 8*
- Understanding the principles, practices and legislation for diagnosing and correcting electrical faults in electrotechnical systems and equipment in buildings, structures and the environment R/602/2579 *Unit Credit Value 6*
- Understanding the electrical principles associated with the design, building, installation and maintenance of electrical equipment and systems A/602/2589 *Unit Credit Value 12*

Knowledge Element = 69 Credits

Competence Units:

- Applying Health and Safety legislation and working practices - installing and maintaining electrotechnical systems and equipment R/602/2596 *Unit Credit Value 3*
- Applying environmental legislation, working practices and the principles of environmental technology systems H/602/2599 *Unit Credit Value 3*
- Overseeing and organising the work environment - electrical installation K/602/2605 *Unit Credit Value 3*
- Planning, preparing and installing wiring systems and associated equipment in buildings, structures and the environment R/602/2792 *Unit Credit Value 6*
- Terminating and connecting conductors, cables and flexible cords in electrical systems H/602/2828 *Unit Credit Value 4*
- Inspecting, testing, commissioning and certifying electrotechnical systems and equipment in buildings, structures and the environment K/602/2703 *Unit Credit Value 6*
- Diagnosing and correcting electrical faults in electrical systems and equipment in buildings, structures and the environment M/602/2704 *Unit Credit Value 6*
- Electrotechnical occupational competence R/602/2503 *Unit Credit Value 4*

Competence Element = 35 credits

Total Qualification = 104 credits

For further qualification details refer to: register.ofqual.gov.uk/ and search by the relevant qualification.

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 this pathway:

Applicants may come from a range of routes including:

- Successful completion of one of the Building Services Engineering Foundation (Level 2) frameworks
- Successful completion of a Welsh Baccalaureate Intermediate Diploma
- Successful Completion of a 'Pathway to Apprenticeship' in Engineering
- Work or work experience
- Training and/or experience which could include a portfolio showing what they have done
- Academic qualification(s) such as three GCSEs grades A-C in each of the following:- a communication subject, maths and either a science or technical-based subject
- Achievement of Essential Skills or Wider KeySkills
- Level 2 GNVQs in relevant vocational/technical subjects
- Completion of a Level 2 'Access to Building Services Engineering' qualification.

No individual should be refused access to an initial assessment on the basis of educational qualifications alone. The ultimate responsibility for selection will rest with the individual employer.

Progression routes out of this pathway

On successful completion of the Apprenticeship (Level 3) in Electrical Installation, an apprentice will have the skills, knowledge and qualifications to:

- Register on a relevant industry Certification Scheme
- Progress to relevant Level 4/5 qualifications e.g. Building Services Engineering Technology & Project Management or Foundation Degree in Engineering
- Progress onto the Level 6 Apprenticeships related to this field such as in Building Services Engineering Technology & Project Management
- Progress in their career with further training into such job roles as Technician, System Designer, Estimator, Project Manager, Site/Workshop Supervisor/Manager, Chartered Engineer, Sales Engineer or Commercial Manager.

Please refer to the Instructus Skills website for more information: www.instructus-skills.org

Apprenticeship Certification Wales

UCAS points for this pathway:

N/A

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

Framework Developer to complete with relevant info

Level 3, Pathway 2: Electrical Maintenance

Description of this pathway

Electrical Maintenance (The maintenance and servicing of electrotechnical systems and equipment) - 121 credits in total.

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

No additional requirements.

Job title(s)	Job role(s)
Maintenance Electrician	Completes and oversees the maintaining, servicing and repairing of electrical and electronic systems in commercial, leisure, industrial, and agricultural buildings, structures and the environment. This may include office blocks, leisure complexes, shopping centres or automated production systems.

Qualifications

Competence qualifications available to this pathway

N/A

Knowledge qualifications available to this pathway

N/A

Combined qualifications available to this pathway

No.	Ref no.	Awarding organisation	Credit value	Guided learning hours	UCAS points value
B1 – Level 3 NVQ Diploma in Electrotechnical Services (Electrical Maintenance)					
B1a	501/1624/1	City & Guilds	103	714	N/A
B1b	501/1604/6	EAL	103	714	N/A

Relationship between competence and knowledge qualifications

This framework requires the completion of either of the combined qualifications B1a or B1b identified in the combined qualifications section B1 above.

Qualification Title - Level 3 NVQ Diploma in Electrotechnical Services (Electrical Maintenance) which has:

Knowledge Units:

- Understanding Health and Safety legislation, practices and procedures - installing and maintaining electrotechnical systems and equipment H/602/2523 *Unit Credit Value 6*
- Understanding environmental legislation, working practices and the principles of environmental technology systems M/602/2525 *Unit Credit Value 4*
- Understanding the practices and procedures for overseeing and organising the work environment - electrical maintenance M/602/2542 *Unit Credit Value 6*
- Understanding the practices and procedures for planning and preparing to maintain electrotechnical systems and equipment J/602/2594 *Unit Credit Value 8*
- Understanding the practices and procedures for maintaining electrotechnical systems and equipment T/602/2591 *Unit Credit Value 8*
- Understanding the principles, practices and legislation for the termination and connection of conductors, cables and cords in electrical systems J/602/2563 *Unit Credit Value 9*
- Understanding principles, practices and legislation for the inspection, testing, commissioning and certification of electrotechnical systems and equipment in buildings, structures and the environment D/602/2567 *Unit Credit Value 8*
- Understanding the principles, practices and legislation for diagnosing and correcting electrical faults in electrotechnical systems and equipment in buildings, structures and the environment R/602/2579 *Unit Credit Value 6*
- Understanding the electrical principles associated with the design, building, installation and maintenance of electrical equipment and systems A/602/2589 *Unit Credit Value 12*

Knowledge Element = 67 credits

Competence Units:

- Applying Health and Safety legislation and working practices - installing and maintaining electrotechnical systems and equipment R/602/2596 *Unit Credit Value 3*
- Applying environmental legislation, working practices and the principles of environmental technology systems H/602/2599 *Unit Credit Value 3*
- Overseeing and organising the work environment K/602/2605 *Unit Credit Value 3*
- Plan and prepare to maintain electrotechnical systems and equipment L/602/2709 *Unit Credit Value 3*
- Maintain electrotechnical systems and equipment A/602/2706 *Unit Credit Value 4*
- Terminating and connecting conductors, cables and flexible cords in electrical systems H/602/2828 *Unit Credit Value 4*
- Inspecting, testing, commissioning and certifying electrotechnical systems and equipment in buildings, structures and the environment K/602/2703 *Unit Credit Value 6*
- Diagnosing and correcting electrical faults in electrical systems and equipment in buildings, structures and the environment M/602/2704 *Unit Credit Value 6*
- Electrotechnical occupational competence R/602/2503 *Unit Credit Value 4*

Competence Element = 36 credits

Total Qualification = 103 credits

For further qualification details refer to: register.ofqual.gov.uk/ and search by the relevant qualification.

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 <u>above</u> 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 <u>above</u> the minimum SASW requirement?   YES   ☐   NO   ☒

Apprenticeship Certification Wales

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 <u>above</u> 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 this pathway:

Applicants may come from a range of routes including:

- Successful completion of one of the Building Services Engineering Foundation (Level 2) frameworks
- Successful completion of a Welsh Baccalaureate Intermediate Diploma
- Successful Completion of a 'Pathway to Apprenticeship' in Engineering
- Work or work experience
- Training and/or experience which could include a portfolio showing what they have done
- Academic qualification(s) such as three GCSEs grades A-C in each of the following:- a communication subject, maths and either a science or technical-based subject
- Achievement of Essential Skills or Wider KeySkills
- Level 2 GNVQs in relevant vocational/technical subjects
- Completion of a Level 2 'Access to Building Services Engineering' qualification

No individual should be refused access to an initial assessment on the basis of educational qualifications alone. The ultimate responsibility for selection will rest with the individual employer.

Progression routes out of this pathway:

On successful completion of the Apprenticeship (Level 3) in Electrical Maintenance, an apprentice will have the skills, knowledge and qualifications to:

- Register on a relevant industry Certification Scheme
- Progress to relevant Level 4/5 qualifications e.g. Building Services Engineering

  Technology & Project Management or Foundation Degree in Engineering
- Progress onto the Level 6 Apprenticeships related to this field such as in Building Services Engineering Technology & Project Management
- Progress in their career with further training into such job roles as Technician, Designer, Estimator, Project Manager, Site/Workshop Supervisor/ Manager, Chartered Engineer, Sales Engineer or Commercial Manager.

Please refer to the Instructus Skills website for more information: www.instructus-skills.org

UCAS points for this pathway:

N/A

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

Framework Developer to complete with relevant info

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

How equality and diversity will be met

The nature of the work means that the Electrotechnical Industry is not a traditional career choice for women, but women do qualify and work successfully in the industry and this is encouraged. We are continuing to work with the UK Resource Centre for Women in Science, Engineering and Technology and Young Womans Trust to promote the opportunities for women working in the building services engineering sector.

Instructus Skills will have overall responsibility for the development and review of the framework and for monitoring equality of opportunity, primarily by the analysis of the National Apprenticeship Service data.

There should be open recruitment of apprentices who meet the selection criteria, regardless of gender, ethnic origin, religion/belief, sexual orientation or disability.

All partners involved in the delivery of the apprenticeship and employers must be committed to a policy of equal opportunities and must have a formal equal opportunities policy and procedures in place.

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, such as the Equality Act 2010.

Providers will monitor equality of opportunity practice and procedures within their own organisation and take positive action when necessary. It is also recommended that employers/providers conduct an exit interview if the apprentice leaves the programme before completion.

On and off the job training

Summary of on- and off-the-job training

Overview of Electrical Installation

Qualification Total - 726 hrs (Knowledge elements 646hrs + Competence elements 80hrs)

Essential Skills (ES) - 135 hrs (notional value of 45 hrs per ES x 3, which can be offset if completed within the previous 5yrs)

Mentoring - 322 hrs (based on 46 wks x 2 hrs per full year over 3.5 years)

Total minimum training hours for this framework is 1183 hrs

Overview of Electrical Maintenance Qualification Total - 714 hrs (Knowledge elements 626hrs + Competence elements 88hrs)

Essential Skills (ES) - 135 hrs (notional value of 45hrs per ES x 3, which can be offset if completed within the previous 5yrs)

Mentoring - 322 hrs (based on 46 wks x 2 hrs per full year over 3.5 years)

Minimum total training hours for this framework is 1171 hrs

Overview of Highway Electrical Systems Servicing and Maintenance - WITHDRAWN

N/A

Overview of Highway Electrical Systems Commissioning - WITHDRAWN

N/A

Off-the-job training

Electrical Installation

Minimum total of off-the-job training hours is 861 hrs over 42 months

- Yr 1 - 246 Training Hours
- Yr 2 - 246 Training Hours
- Yr 3 - 246 Training Hours
- Yr 4 (6 months) - 123 Training Hours

Electrical Maintenance

Minimum total off-the-job training hours is 849hrs over 42 months

- Yr 1 - 243 Training Hours

- Yr 2 - 243 Training Hours
- Yr 3 - 243 Training Hours
- Yr 4 - (6 months) 120 Training Hours

Highway Electrical Systems Service & Maintenance - WITHDRAWN

N/A

Highway Electrical Systems Commissioning - WITHDRAWN

N/A

How this requirement will be met

Training Hours will be achieved through clear and specific outcomes which contribute directly to the successful completion of the framework, and these may include accredited and non-accredited elements of the framework.

Training Hours will be delivered through one or more of the following methods during time away from the normal work duties: individual and group teaching; e-learning; distance learning; feedback and assessment; guided study. All Training Hours delivery will take place during contracted working hours and while working under an Apprenticeship Agreement.

Recognition of prior learning (RPL) can be made if achieved within the previous 5 years. As examples of previous experience will vary it will be the responsibility of the Awarding Bodies to agree adjustments to the learning programmes with Training Providers and Employers. Instructus Skills reserves the right to audit centres regarding RPL and recommend further training if it is felt the adjustments are not suitable.

For learners who have followed a WAG funded apprenticeship programme a simple declaration from the Training Provider is suitable confirmation of the depth and quality of the training hour delivery. The Training Provider would then keep evidence such as individual learning plans, progress reviews, attendance statistics and assessment reports which could be inspected should the need arise.

Evidence of off the job hours

When claiming the Apprenticeship certificate, training providers will be required to sign the Apprenticeship Certificate Claim form, stating that the total training hours have been met by the learner. The Claim Form can be downloaded from ACW: https://acwcerts.co.uk/web/form s-documentation

On-the-job training

Electrical Installation

Minimum total on-the-job training hours is 322 hrs over 42 months

- Yr 1 - 92 hrs
- Yr 2 - 92 hrs
- Yr 3 - 92 hrs

- Yr 4 (6 months) - 46 hrs

Electrical Maintenance

Minimum total on-the-job training hours is 322 hrs over 42 months

- Yr 1 - 92 hrs
- Yr 2 - 92 hrs
- Yr 3 - 92 hrs
- Yr 4 - (6 months) - 46 hrs

Highway Electrical Systems Service & Maintenance - WITHDRAWN

N/A

Highway Electrical Systems Commissioning - WITHDRAWN

N/A

How this requirement will be met

Training Hours will be achieved through clear and specific outcomes which contribute directly to the successful achievement of the framework and these may include accredited and non-accredited elements of the framework.

Training Hours will be delivered through one or more of the following methods: coaching; mentoring; feedback and assessment; collaborative/networked learning with peers. All Training Hours delivery to take place during contracted working hours and while working under an Apprenticeship Agreement.

Recognition of prior learning (RPL) can be made if achieved within the previous 5 years. As examples of previous experience will vary it will be the responsibility of the Awarding Bodies to agree adjustments to the learning programmes with Training Providers and Employers. Instructus Skills reserves the right to audit centres regarding RPL and recommend further training if it is felt the adjustments are not suitable.

For learners who have followed a WAG funded apprenticeship programme a simple declaration from the Training Provider is suitable confirmation of the depth and quality of the training hour delivery. The Training Provider would then keep evidence such as individual learning plans, progress reviews, attendance statistics and assessment reports which could be inspected should the need arise.

Evidence of on the job training hours

As part of the evidence requirements for Apprenticeship Completion certification, a copy of a completed Apprentice Consent Form may be requested. ACW:

https://acwcerts.co.uk/web/form s-documentation

https://acwcerts.co.uk/web/form s-documentation

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

Give examples - signpost to specific units in framework qualifications that would meet these requirements

Working with others

Give examples - signpost to specific units in framework qualifications that would meet these requirements

Problem solving

Give examples - signpost to specific units in framework qualifications that would meet these requirements

apprenticeship
FRAMEWORK

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