



Competition in Connections Code of Practice Reporting 2025-26

**Appendices
(April 2025 – March 2026)**

**SP Manweb
and
SP Distribution**

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Appendix 1 – Website Pages

i) Getting Connected

https://www.spennergynetworks.co.uk/pages/which_type_of_connection.aspx



[ABOUT US](#) | [POWER CUTS](#) | [CUSTOMER SUPPORT](#) | [GETTING CONNECTED](#) | [CORPORATE GOVERNANCE](#) | [INVESTMENT & INNOVATION](#)

Getting Connected

Connections Reform

Demand Connections

Transmission Connections

Customer Connections Portal

ConnectMore Interactive Map

ADMD calculator - LCT Ready Housing Developments

Accelerating Distribution Connections

Queue Management: Fair Access, Faster Connections

Other Connection Providers (You Have a Choice)

Generation

Major Connections

Document Library

Contact Connections

GETTING CONNECTED

Do you need a new connection or a change to an existing connection to our network?

We offer a range of services designed to help provide you with the required connection to our network. To help us find the right job for you, please select from the options below that best fits your requirements.



A NEW CONNECTION

CHANGE TO AN EXISTING CONNECTION

DISTRIBUTED GENERATION / COMMUNITY ENERGY

VIEW EXISTING APPLICATIONS

<https://ccp.spenergynetworks.co.uk/new-connection/work-type>

[Home](#) > [Getting Connected](#) > [New Connection](#)

APPLY FOR A NEW CONNECTION

Which type of connection would you like?



House



Flat



Commercial Premises



Commercial EV Charger

① To add a single EV charger to your existing electricity connection, [check the info on the SPEN website](#) then apply via the [additional load application form](#) if you need to.

ii) Connections: Customer Process

Select https://www.spenergynetworks.co.uk/pages/getting_connected.aspx and press the blue button

“Connections Videos and Leaflets” which will take you to

https://www.spenergynetworks.co.uk/pages/connections_videos_and_leaflets.aspx

Getting Connected Update: We are making changes to the 'Getting Connected' webpages on our site. As we make these changes, our current resources and processes will remain in place.



Getting Connected

[Home](#) > [Getting Connected](#) > [Involvement on Connections...](#) > [Connections Videos and...](#)

Getting Connected	▼
Other Connection Providers (You Have a Choice)	▼
Generation	▼
Involvement on Connections Engagement (ICE)	▼
Quotation Options	
Regulation	
Connections Stakeholder Information	
Additional Help for Communities	
Connections Videos and Leaflets	▶
Significant Code Review	▼
Document Library	▼
Contact Connections	▼

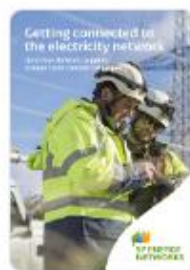
CONNECTIONS VIDEOS AND LEAFLETS

Below you can find the latest editions of our helpful connections leaflets and videos.

Connections Leaflets



[English Language](#) 
[Welsh Language](#) 



[English Language](#) 
[Welsh Language](#) 



[English Language](#) 
[Welsh Language](#) 



[English Language](#) 
[Welsh Language](#) 



[English Language](#) 
[Welsh Language](#) 



[English Language](#) 
[Welsh Language](#) 



[English Language](#) 
[Welsh Language](#) 



[English Language](#) 



[English Language](#) 



[English Language](#) 



SUPPORTING INFORMATION

Significant Code Review

In an effort to accelerate towards Net Zero, Ofgem are changing the way you pay for connecting to our network. Ofgem's Access Significant Code Review (SCR) was published on the 2nd May 2022 and the changes outlined will come into force from the 1st April 2023. [Read more...](#)

Connecting Generation

If you're thinking of installing a new generator (such as solar panels or wind turbines) it will need to be connected to the electricity network through your existing supply or through a new electricity connection. [Read more...](#)

Other Connection Providers: You Have a Choice

Competition in the connections market means you have a choice when selecting who provides some elements of your connection process. [Read more...](#)

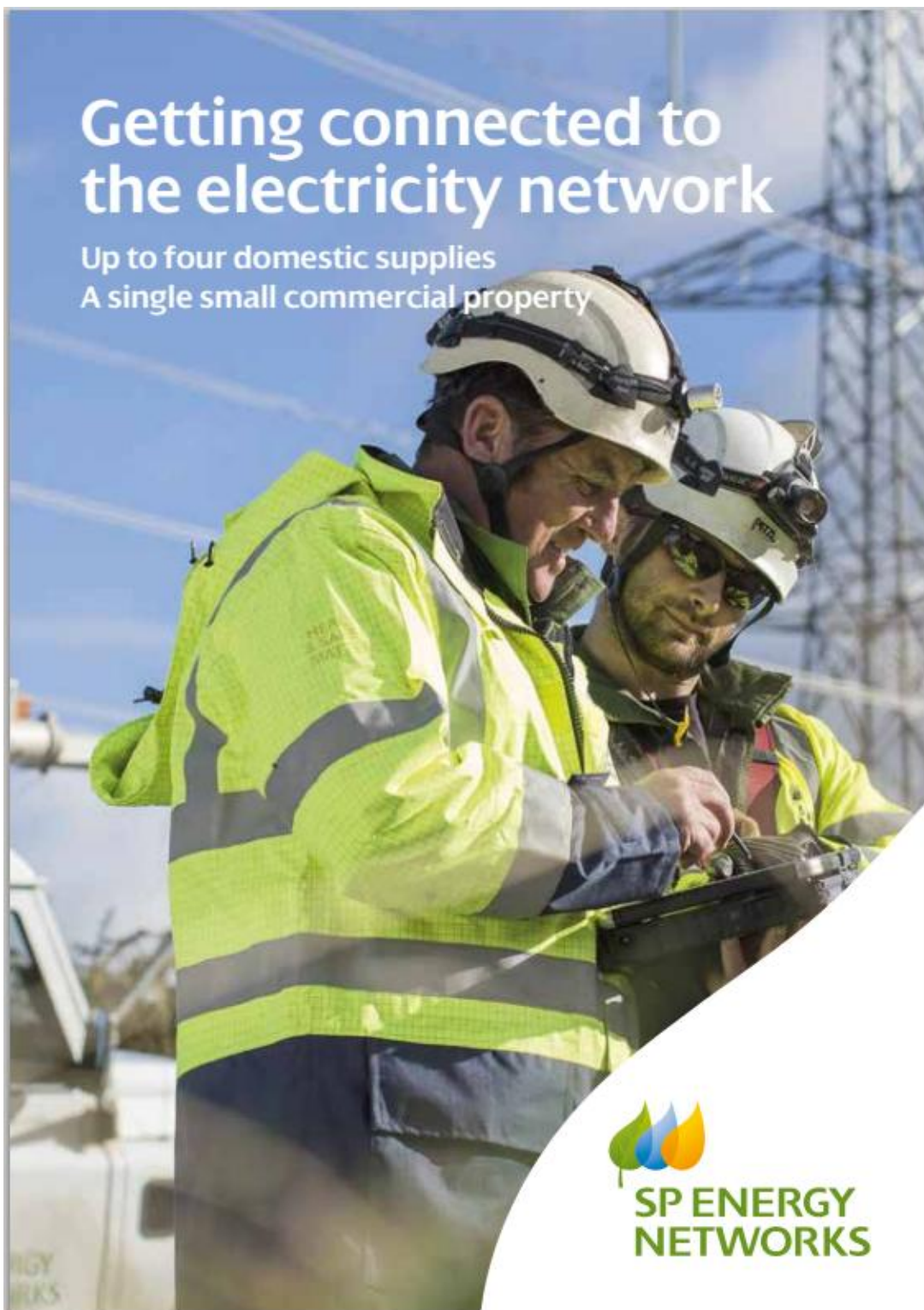
Land Rights for Connections Customers

We may need to run cables under or over land that isn't yours. Before doing so we will need to get consent to do so. [Read more...](#)

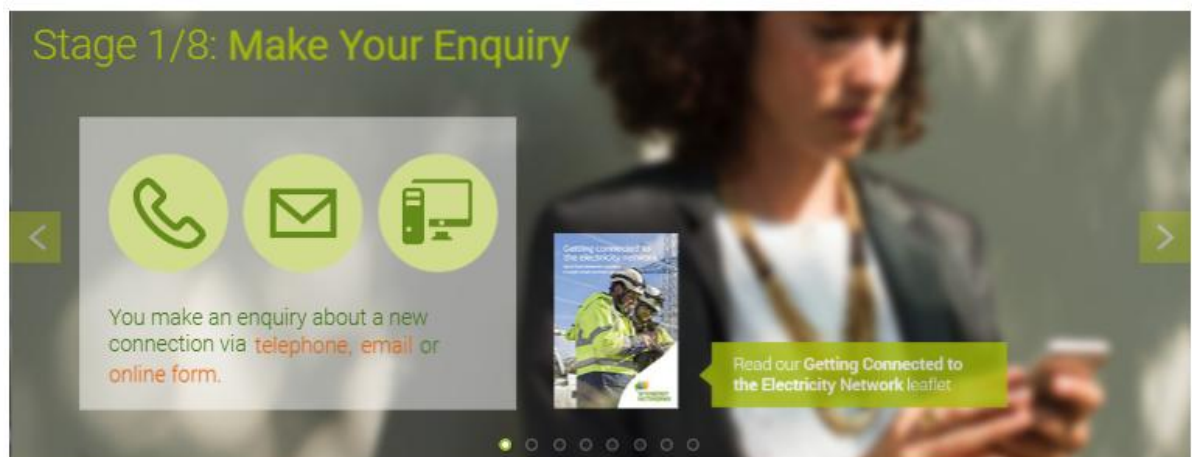
https://www.spenergynetworks.co.uk/userfiles/file/connections_getting_connected.pdf

Getting connected to the electricity network

Up to four domestic supplies
A single small commercial property



https://www.spenergynetworks.co.uk/pages/customer_process_new_connection.aspx which will take you through an 8-step process, providing you with links to information and leaflets/documents; examples of the stages are shown below.



Not sure what **connection type** you require? We can **guide** you through the process.

Find out more about **SP Energy Networks Connections** with our selection of information **e-leaflets** and **videos**.



Do you need to **move your electricity meter**? Find out how SP Energy Networks can help you.

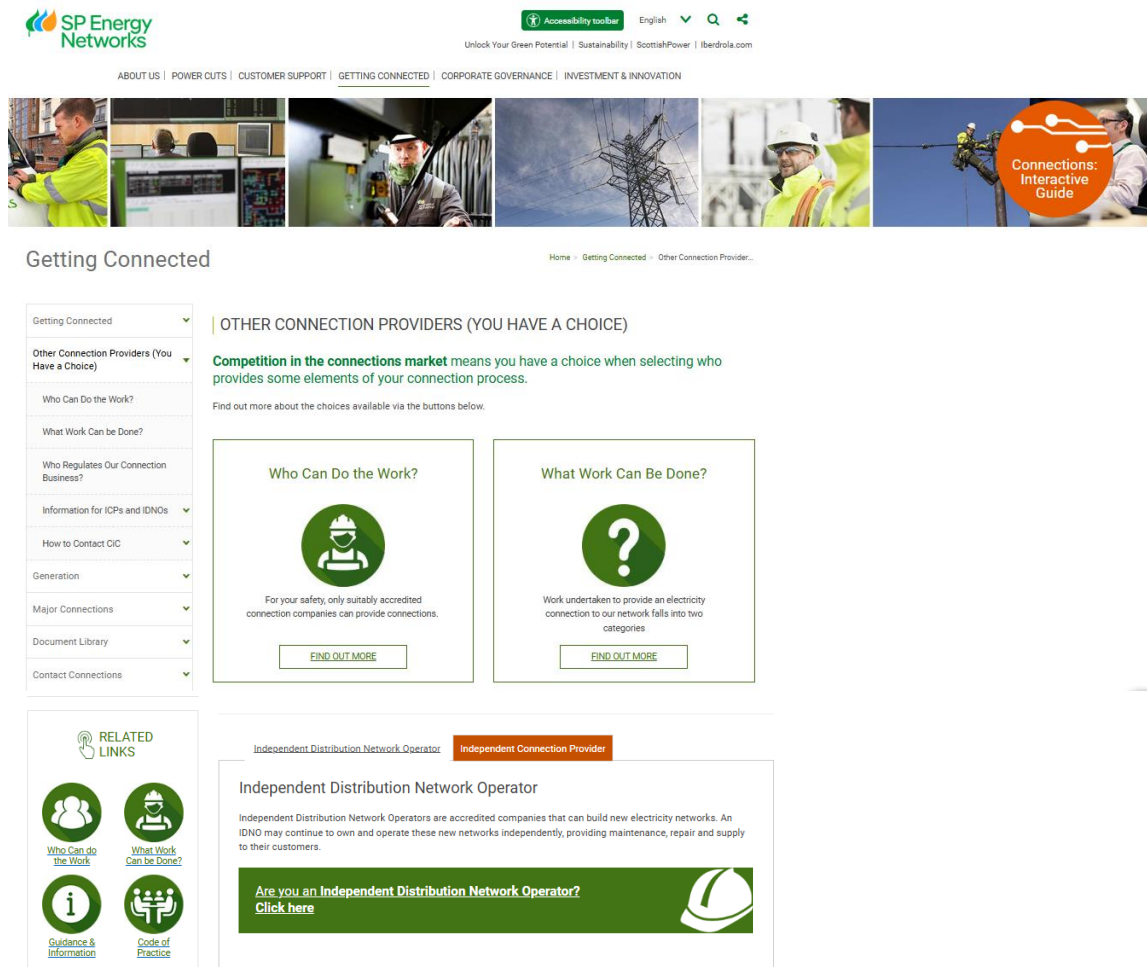


We are here to **support** you. Click here to find out how to **contact us**.



iii) Other Connection Providers (you have a choice)

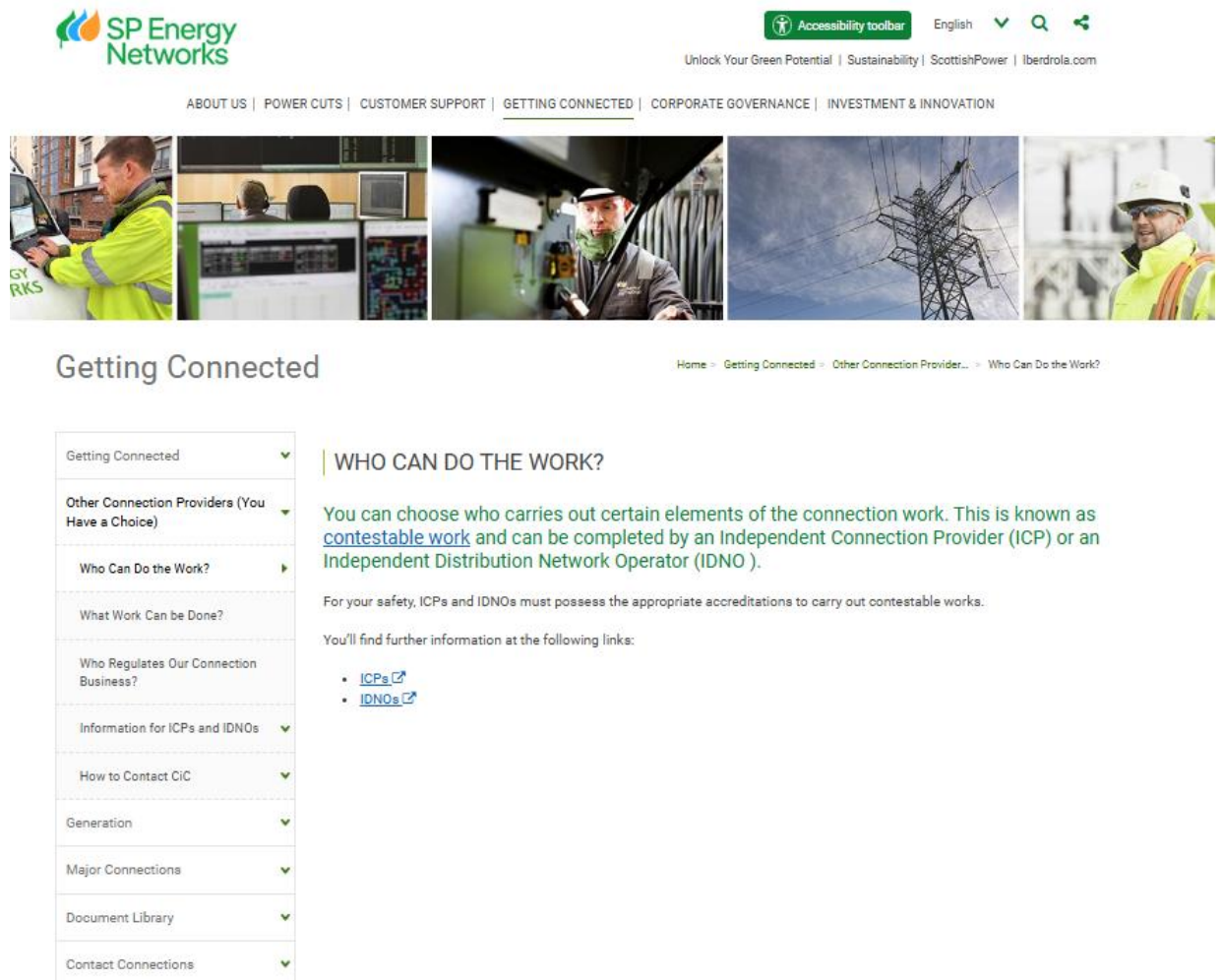
https://www.spenergynetworks.co.uk/pages/competition_in_connections.aspx



The screenshot shows the SP Energy Networks website. At the top is the logo and navigation links: ABOUT US | POWER CUTS | CUSTOMER SUPPORT | GETTING CONNECTED | CORPORATE GOVERNANCE | INVESTMENT & INNOVATION. Below this is a banner image with a 'Connections: Interactive Guide' button. The main heading is 'Getting Connected'. A sidebar on the left lists various topics, with 'Other Connection Providers (You Have a Choice)' selected. The main content area is titled 'OTHER CONNECTION PROVIDERS (YOU HAVE A CHOICE)' and explains that 'Competition in the connections market' means users have a choice when selecting who provides some elements of their connection process. It includes two boxes: 'Who Can Do the Work?' (with a worker icon) and 'What Work Can Be Done?' (with a question mark icon). Below these are 'RELATED LINKS' for 'Who Can do the Work', 'What Work Can be Done?', 'Guidance & Information', and 'Code of Practice'. A section for 'Independent Distribution Network Operator' is also visible, with a button to 'Click here' if the user is an IDNO.

iv) Who can do the work?

https://www.spenergynetworks.co.uk/pages/who_can_do_the_work.aspx



The screenshot shows the SP Energy Networks website. The top navigation bar includes the logo, an accessibility toolbar, language settings (English), and search/social media icons. Below the navigation bar is a horizontal menu with links: ABOUT US | POWER CUTS | CUSTOMER SUPPORT | GETTING CONNECTED | CORPORATE GOVERNANCE | INVESTMENT & INNOVATION. A banner image below the menu shows four panels: a technician working on a laptop, a control room with multiple monitors, a technician in a hard hat working on equipment, and a high-voltage power line tower. The main content area is titled 'Getting Connected' and includes a breadcrumb trail: Home > Getting Connected > Other Connection Provider... > Who Can Do the Work?. On the left is a vertical sidebar menu with expandable items: Getting Connected, Other Connection Providers (You Have a Choice), Who Can Do the Work?, What Work Can be Done?, Who Regulates Our Connection Business?, Information for ICPs and IDNOs, How to Contact CiC, Generation, Major Connections, Document Library, and Contact Connections. The 'Who Can Do the Work?' item is selected, displaying the following content:

WHO CAN DO THE WORK?

You can choose who carries out certain elements of the connection work. This is known as [contestable work](#) and can be completed by an Independent Connection Provider (ICP) or an Independent Distribution Network Operator (IDNO).

For your safety, ICPs and IDNOs must possess the appropriate accreditations to carry out contestable works.

You'll find further information at the following links:

- [ICPs](#)
- [IDNOs](#)

v) Competition in Connections Code of Practice

https://www.spenergynetworks.co.uk/pages/competitions_in_connections_code_of_practice.aspx







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ABOUT US | POWER CUTS | CUSTOMER SUPPORT | GETTING CONNECTED | CORPORATE GOVERNANCE | INVESTMENT & INNOVATION







Getting Connected

Home > Getting Connected > Other Connection Provider... > Information for ICPs and L... > Code of Practice

Getting Connected
 Other Connection Providers (You Have a Choice)
 Who Can Do the Work?
 What Work Can be Done?
 Who Regulates Our Connection Business?
 Information for ICPs and IDNOs
 Extending the Scope of ICP Work
 Guidance & Information
 Code of Practice
 Transformer Loadings
 Self Determination of Point of Connection
 Standard Design Matrix
 Self Design Approval
 Authorisation and Accreditation
 Workshop Presentations
 Documents
 How to Contact CIC
 Generation
 Major Connections
 Document Library
 Contact Connections

CODE OF PRACTICE

In June 2014 Ofgem opened their review of the market for new connections to the electricity distribution network. They subsequently published, in January 2015, their proposed solutions to the issues identified and the best way to implement them.

Distribution Networks Operators (DNOs) were tasked with developing a Code of Practice (CoP) in consultation with stakeholders and this was completed collectively with the Electricity Networks Association (ENA). The resultant Code of Practice was approved by Ofgem in July 2015, with an implementation date of October 2015.

The Competition in Connections Code of Practice can be found [here](#).

The ENA have created an additional site specifically for the Code of Practice. For further details please go to www.connectionscode.org.uk

The Competition in Connections Code of Practice requires DNOs to publish an annual report to demonstrate their compliance with the code. Our Annual Report for the reporting period 2023-24 can be found here:

- [Competition in Connections Code of Practice Report 2023-24](#)
- [Competition in Connections Code of Practice Reporting 2023-24 Appendices](#)

Other pages in this section:

- [Transformer Loadings](#)
- [Self Determination of Point of Connection](#)
- [Standard Design Matrix](#)
- [Self Design Approval](#)
- [Authorisation and Accreditation](#)
- [Workshop Presentations](#)

vi) Self-Determination of Point of Connection

https://www.spenergynetworks.co.uk/pages/self_determination_of_point_of_connection.aspx




English

Unlock Your Green Potential | Sustainability | ScottishPower | Iberdrola.com

ABOUT US | POWER CUTS | CUSTOMER SUPPORT | **GETTING CONNECTED** | CORPORATE GOVERNANCE | INVESTMENT & INNOVATION



Getting Connected

Home > Getting Connected > Other Connection Provider... > Information for ICPs and L... > Code of Practice > Self Determination of Poin...

Getting Connected

Other Connection Providers (You Have a Choice)

Who Can Do the Work?

What Work Can be Done?

Who Regulates Our Connection Business?

Information for ICPs and IDNOs

Extending the Scope of ICP Work

Guidance & Information

Code of Practice

Transformer Loadings

Self Determination of Point of Connection

Standard Design Matrix

Self Design Approval

Authorisation and Accreditation

Workshop Presentations

Documents

How to Contact CIC

Generation

Major Connections

Document Library

Contact Connections

SELF DETERMINATION OF POINT OF CONNECTION

Independent Connection Providers (ICPs) shall be able to self-determine the Point of Connection (POC) in the majority of circumstances, as outlined in the table below.

At this time, some market segments have been excluded due to the technical complexity and/or network constraints which result in a high incidence of interactive POCs having to be managed. We will work with ICPs to develop processes to open these market segments in the future.

Relevant Market Segment	Self-approval of designs available (Yes/No)	Comments
LV Demand	Yes*	Subject to restrictions
HV Demand	Yes*	Subject to restrictions
HV / EHV Demand	No	Currently due to technical nature, complexity of designs and significant impact on network.
EHV/132kV Demand	No	Currently due to technical nature, complexity of designs and significant impact on network.
DG LV	Yes*	Subject to restrictions
DG HV / EHV	No	Impacted by a high level of interactivity
UMS LA	Yes	
UMS Other	Yes	
UMS PFI	Yes	

*Subject to the following restrictions:

- Where the requirement for reinforcement is identified
- There exists interactivity with other quotations

Please see our process document [ESDD-02-021 Guidance for Self-Determination of Point of Connection and Self-Design Approval for Independent Connection Providers](#).

The self-determined process in full can be seen on the [high level process map](#).

There is a probationary period to be able to complete the self-determination which is detailed in the above document and in the table of qualifying criteria below

Self Determine POC Qualifying Criteria

Level	Criteria
1	Complete a briefing with SPEN and enter into a probationary period for each RMS category - complete 5 projects in parallel (normal costs apply) and if no issues move to level 2
2	ICP fully able to self-determine POC

Please see our Standard Design Matrix which supports the guidance provided within ESDD-02-021.

vii) Standard Design Matrix

https://www.spenergynetworks.co.uk/pages/standard_design_matrix.aspx


ABOUT US | POWER CUTS | CUSTOMER SUPPORT | GETTING CONNECTED | INVESTMENT & INNOVATION | CORPORATE GOVERNANCE



Getting Connected

Home > Getting Connected > Other Connection Provid... > Information for ICPs and L... > Code of Practice > Standard Design Matrix

- Getting Connected
- Other Connection Providers (You Have a Choice)
- Who Can Do the Work?
- What Work Can be Done?
- Who Regulates Our Connection Business?
- Information for ICPs and IDNOs
- Extending the Scope of ICP Work
- Guidance & Information
- Code of Practice
- Transformer Loadings
- Self Determination of Point of Connection
- Standard Design Matrix
- Self Design Approval
- Authorisation and Accreditation
- Workshop Presentations

STANDARD DESIGN MATRIX

Standard Design Matrix

Some Point of Connection designs can be determined using a Standard Design Matrix, shown below. This Matrix is also detailed within the process document ESDD-02-021, along with some guidance, and can be found [here](#).

CRITERIA	MEASUREMENT	COMMENT
Connection capacity	<=500W (unmetered suppliers)	Need to consider the existing network can provide a suitable earth for the new connection 4mm Service cable should only be used where service out-out is within 5mtrs of the LV mains cable with the exception of road crossing where up to 15m can be considered. Alternatively <=25m (35mm) Cable to be considered.
Distance to substation	<=500m	
Service cable length	<=5m (4mm) or <=25m (25mm)	
Transformer capacity	N/A	
Mains extensions	Cable of metric size <185mm ²	
Asset types excluded	- Cable of imperial size less than 0.1 square inch copper. - Cable of metric size <95mm² - Concentric cables look for cables marked as 2 core with imperial sizes, TCLC (SPM TRCC), (triple concentric lead covered), marked as ex dc (direct current) cables. - Three core LV cables - 2 phase and neutral. - Cables indicated as operating (Bunched) - check the various layers available on UMV for PILC LV cables marked as 3 - Some cables we are unable to join live. - Belgium cables and Consac. - Interconnectors with no existing connected customers.	

Documents	▼	CRITERIA	MEASUREMENT	COMMENT
How to Contact CiC	▼	Connection capacity	<=8kW (non domestic only)	Need to consider the existing network can provide a suitable earth for the new connection.
Generation	▼	Distance to substation	<=250m	
Incentive on Connections Engagement (ICE)	▼	Service cable length	<=25m	A Full Network modelling analysis is required if: - The Distance from the Substation exceeds 250mtrs - Embedded generation enquiries above 16 Amps per phase (Generation subject to the requirements of ENA G98/multiple connections or ENA G99 (previously ENA G83/multiple connections or ENA G59).
Document Library	▼	Transformer capacity	N/A	
Contact Connections	▼	Mains extensions	Cable of metric size <185mm ²	
		Asset types excluded	- Cable of imperial size less than 0.1 square inch copper. - Cable of metric size <95mm² - Concentric cables look for cables marked as 2 core with imperial sizes, TCLC (SPM TRCC), (triple concentric lead covered), marked as ex dc (direct current) cables. - Three core LV cables - 2 phase and neutral. - Cables indicated as operating (Bunched) - check the various layers available on UMV for PILC LV cables marked as 3 Some cables we are unable to join live: - Belgium cables and Consac. - Interconnectors with no existing connected customers.	

CRITERIA	MEASUREMENT	COMMENT
Connection capacity	Up to 4 Domestic (<=2kWADMD each)	Require a system check for all pole mounted transformers. Existing 5kVA pole mounted transformers will not provide sufficient capacity to cater for additional connections.
Distance to substation	<=250m	
Service cable length	<=25m	
Transformer capacity	N/A for ground mounted substation. System checks required for PTE (Pole Mounted Transformers)	Consideration to be undertaken to check that the volume of new connections does not exceed 75 customers on the feeder. Where this is the case alternative feed required as per ESDD-02-012.
Mains extensions	Cable of metric size <185mm ²	Need to consider the existing network can provide a suitable earth for the new connection.
Asset types excluded	- Cable of imperial size less than 0.1 square inch copper. - Cable of metric size <95mm² - Concentric cables look for cables marked as 2 core with imperial sizes, TCLC (SPM TRCC), (triple concentric lead covered), marked as ex dc (direct current) cables. - Three core LV cables - 2 phase and neutral. - Cables indicated as operating (Bunched) - check the various layers available on UMV for PILC LV cables marked as 3 Some cables we are unable to join live: - Belgium cables and Consac. - Interconnectors with no existing connected customers.	A Full Network modelling analysis is required if: - The Distance from the Substation exceeds 250m; - If the proposed new load includes starting currents in excess of 15A; - Embedded generation enquiries above 16 Amps per phase (Generation subject to the requirements of ENA G98/multiple connections or ENA G99 (previously ENA G83/multiple connections or ENA G59);

CRITERIA	MEASUREMENT	COMMENT
Connection capacity	Single Connection $\leq 69\text{kW}$	Need a system check for all transformer types. Existing 5kVA pole mounted transformers will not provide sufficient capacity to cater for additional connections.
Distance to substation	$\leq 200\text{m}$	
Service cable length	$\leq 10\text{mtrs}$ (No Study required), $> 10 \leq 25\text{m}$ (Study required)	
Transformer capacity	System checks required for PTE (Pole Mounted Transformers) and ground mounted substations	Consideration to be undertaken to check that the volume of new connections does not exceed 75 customers on the feeder. Where this is the case alternative feed required as per ESD-02-012
Mains extensions	Cable of metric size $< 185\text{mm}^2$	Need to consider the existing network can provide a suitable earth for the new connection.
Asset types excluded	- Cable of imperial size less than 0.1 square inch copper. - Cable of metric size $< 95\text{mm}^2$ - Concentric cables look for cables marked as 2 core with imperial sizes, TLC (SPM TRCC), (triple concentric lead covered), marked as ex dc (direct current) cables. - Three core LV cables - 2 phase and neutral. - Cables indicated as operating (Bunched) - check the various layers available on UMW for PILC LV cables marked as 3 - Some cables we are unable to join live: - Belgium cables and Consac. - Interconnectors with no existing connected customers.	A Full Network modelling analysis is required if: - the maximum length of any Service Cable Exceeds 10m. Note no services to exceed 25m; - there are 50 or more customers already on the LV feeder; - the assessed loading is 50% or greater than the existing capacity of the circuit; - the proposed new load includes starting currents in excess of 15 Amps; - Embedded generation enquiries above 16 Amps per phase (Generation subject to the requirements of ENA G98/multiple connections or ENA G99 (previously ENA G83/multiple connections or ENA G59);

viii) Open Data Portal

<https://spenergynetworks.opendatasoft.com/pages/home/>

Learn about our Open Data Roadmap plans in our updated 2024 Open Data roadmap.
Close

SP Energy Networks Open Data Portal

Discover the data behind our electricity network powering Scotland, Wales, and England.

Contact Us

Find data by keyword or theme...

Local Authorities Developers Flexibility Service Providers Other

Explore Interactive Maps

Discover some of the interactive maps available on the portal.

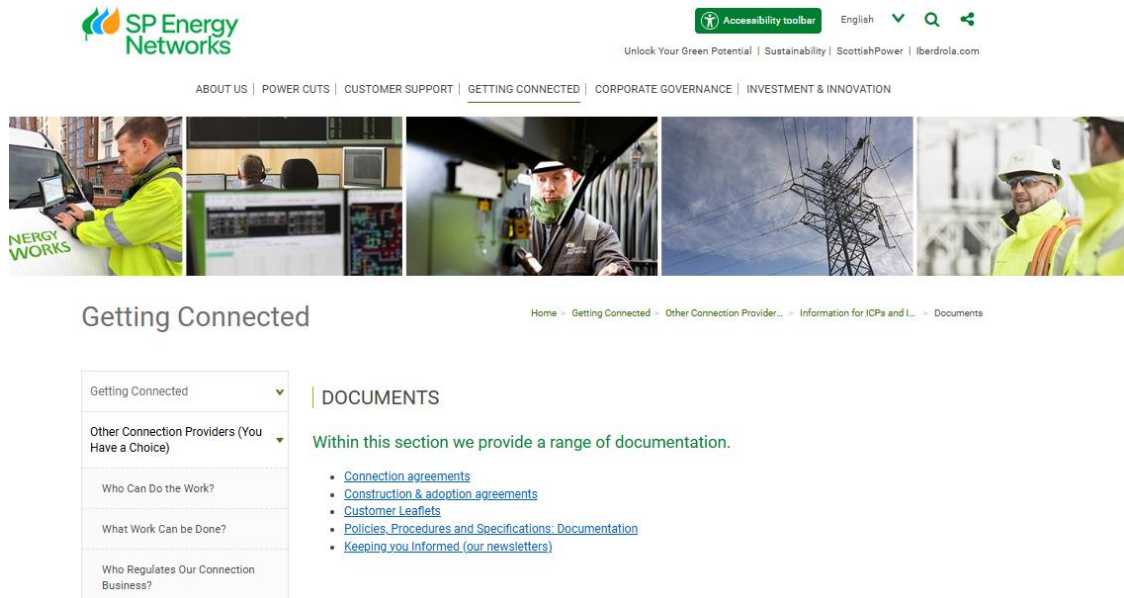


Licence Polygons
Smart Meter Penetration
LV Monitoring
GIS Shapefiles

ix) Documents

https://www.spenergynetworks.co.uk/pages/competition_in_connections_documents.asp

X



The screenshot shows the SP Energy Networks website. At the top is the company logo and navigation links. Below the logo is a banner image with five panels showing various energy-related activities. The main heading is 'Getting Connected'. To the left is a sidebar with a list of topics. The main content area is titled 'DOCUMENTS' and contains a list of links to various documents.

SP Energy Networks

Accessibility toolbar English Q

Unlock Your Green Potential | Sustainability | ScottishPower | Iberdrola.com

ABOUT US | POWER CUTS | CUSTOMER SUPPORT | GETTING CONNECTED | CORPORATE GOVERNANCE | INVESTMENT & INNOVATION

Getting Connected

Home > Getting Connected > Other Connection Provider... > Information for ICPs and L... > Documents

Getting Connected

Other Connection Providers (You Have a Choice)

Who Can Do the Work?

What Work Can be Done?

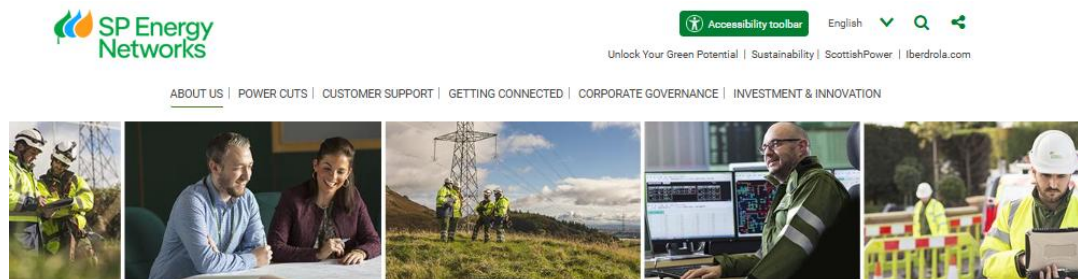
Who Regulates Our Connection Business?

DOCUMENTS

Within this section we provide a range of documentation.

- [Connection agreements](#)
- [Construction & adoption agreements](#)
- [Customer Leaflets](#)
- [Policies, Procedures and Specifications: Documentation](#)
- [Keeping you Informed \(our newsletters\)](#)

<https://www.spenergynetworks.co.uk/pages/documents.aspx>



About Us

[Home](#) > [About Us](#) > [Document Library](#) > [Policies, Procedures and S...](#)

What We Do	▼
Stakeholders	▼
News and Media	▼
Document Library	▼
Regulatory Information	▼
Connections, Use of System and Metering Services	▼
Safety Documents	▼
Policies, Procedures and Specifications: Documentation	▶
Additional Information	▼
Company Reporting	▼

@

POLICIES PROCEDURES & SPECIFICATIONS Should you be unable to locate the required document from the responsible SPEN Project Manager, Contract Manager or point of contact in Purchasing, or if the document you are looking for is not listed on this page, please complete the form.

[Online Request Form](#)

POLICIES, PROCEDURES AND SPECIFICATIONS: DOCUMENTATION

In this area of our website you will find our most regularly requested and downloaded policies, procedures and specifications. Please click on the x to list the documents. If the document you are looking for is not listed, please complete the [Online Request Form](#)

For specifications and standards related to the design of Projects / Tenders, please liaise in the first instance with the responsible SPEN Project Manager, Contract Manager or point of contact in Purchasing who will be able to provide the required documents.

We continually update this page by adding, replacing or removing documents. Please check back regularly to ensure you are using the most current version.

IMPORTANT: When you open the document, please press Ctrl F5 to refresh in case your device holds a cached version.

Approved Equipment	+
Earthing	+
Operational Safety	+
Overhead Lines	+
Policy & System Design	+
Substations	+
Underground Cables	+
Connection Process	+
Disconnections	+

x) Self-Design Approval

https://www.spenergynetworks.co.uk/pages/self_design_approval.aspx




English

Unlock Your Green Potential | Sustainability | ScottishPower | Iberdrola.com

ABOUT US | POWER CUTS | CUSTOMER SUPPORT | GETTING CONNECTED | CORPORATE GOVERNANCE | INVESTMENT & INNOVATION



Getting Connected

Home > Getting Connected > Other Connection Provider... > Information for ICPs and L... > Code of Practice > Self Design Approval

Getting Connected
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Generation
Major Connections
Document Library
Contact Connections

SELF DESIGN APPROVAL

Independent Connection Providers (ICPs) shall be able to complete self-design approval in the majority of circumstances, as outlined in the table below.

At this time, some market segments have been excluded due to the technical complexity and/or network constraints. We will work with ICPs to develop processes to open these market segments in the future.

Relevant Market Segment	Self-approval of designs available (Yes/No)	Comments
LV demand	Yes*	Subject to restrictions
HV demand	Yes*	Subject to restrictions
HV/EHV demand	No	Currently due to technical nature, complexity of designs and significant impact on network.
EHV/132kV demand	No	Currently due to technical nature, complexity of designs and significant impact on network.
DG LV	Yes*	Subject to restrictions
DG HV/EHV	No	Currently due to technical nature, complexity of designs and significant impact on network.
UMS LA	Yes	
UMS Other	Yes	
UMS PFI	Yes	

* Subject to the following restrictions:

- Where Contestable design requires incorporation of a constraint and monitoring scheme
- Diversion of Existing Assets (affecting existing Substation assets)

Please see our process document [ESDD-02-021 Guidance for Self-Determination of Point of Connection and Self-Design Approval for Independent Connection Providers](#). There is a probationary period to be able to complete the self-design approval which is detailed in the above document and in the table of qualifying criteria below.

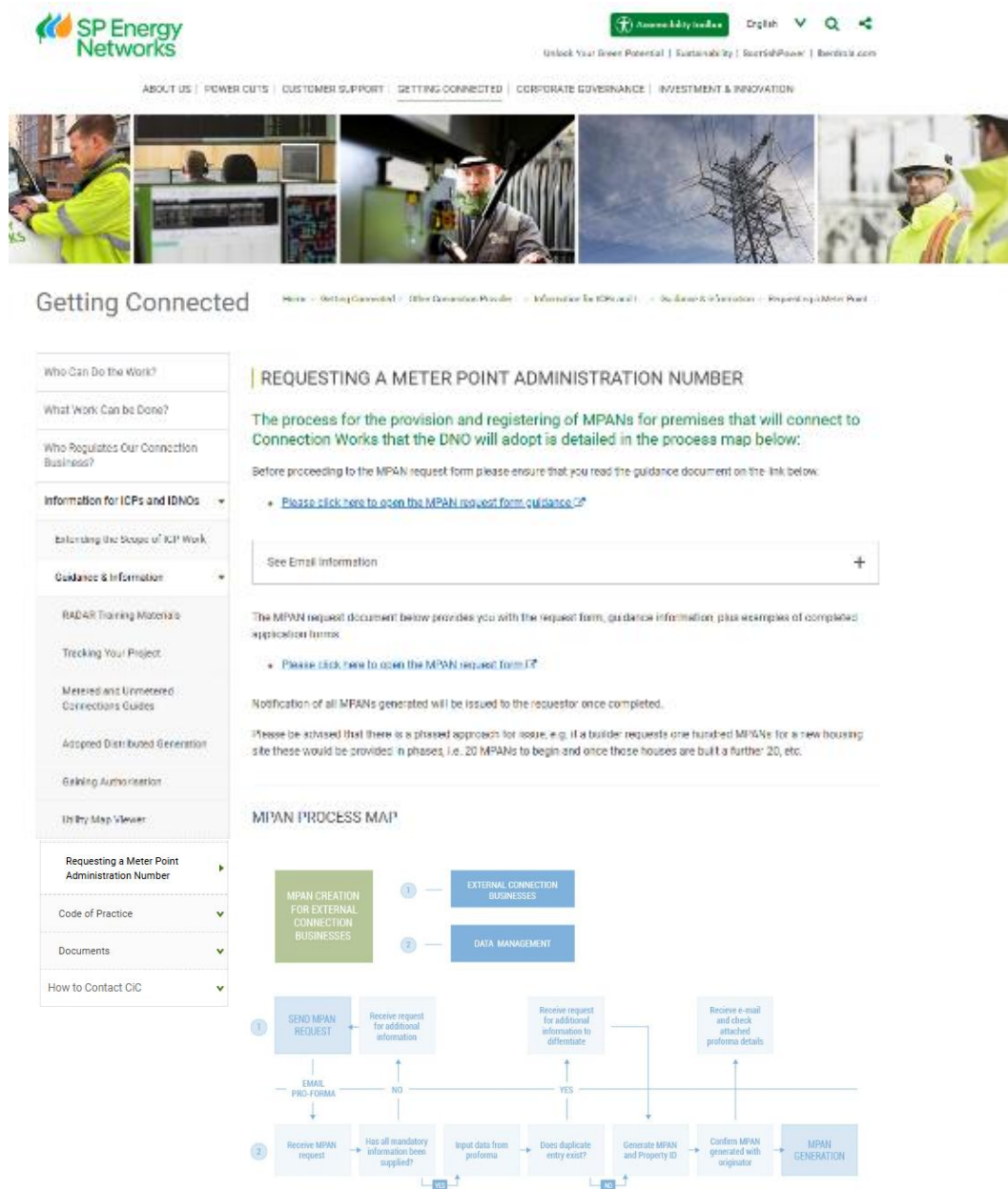
The self-determined process in full can be seen on the [high level process map](#).

Self-Design Approval Qualifying Criteria

Level	Criteria
1	Complete a briefing with SPEN and enter into a probationary period for each RMS category - complete 5 projects in parallel (normal costs apply) and if no issues move to level 2
2	ICP fully able to self-approve contestable designs

xi) Requesting a Meter Point Administration Number

https://www.spenergynetworks.co.uk/pages/mpan_request.aspx



The screenshot shows the SP Energy Networks website. The header includes the logo, a language dropdown set to 'English', and a search icon. Below the header is a navigation bar with links: ABOUT US, POWER CUTS, CUSTOMER SUPPORT, GETTING CONNECTED, CORPORATE GOVERNANCE, and INVESTMENT & INNOVATION. A banner image shows various energy-related scenes: a worker in a high-visibility jacket, a control room, a worker in a hard hat, a power line tower, and two workers in high-visibility jackets.

The main content area is titled 'Getting Connected' and 'REQUESTING A METER POINT ADMINISTRATION NUMBER'. It explains the process for providing and registering MPANs for premises connecting to the DNO. A link is provided for the MPAN request form guidance. Below this is a form labeled 'See Email Information' with a plus icon. Further down, there is a section for 'MPAN PROCESS MAP' which includes a flowchart and a table of steps.

MPAN PROCESS MAP

Step	Activity
1	SEND MPAN REQUEST
2	Receive MPAN request
3	Has all mandatory information been supplied?
4	Input data from proforma
5	Does duplicate entry exist?
6	Generate MPAN and Property ID
7	Confirm MPAN generated with originator
8	MPAN GENERATION

xii) Authorisation and Accreditation

https://www.spenergynetworks.co.uk/pages/authorisation_and_accreditation.aspx



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[Unlock Your Green Potential](#) | [Sustainability](#) | [ScottishPower](#) | [iberdrola.com](#)

[ABOUT US](#) | [POWER CUTS](#) | [CUSTOMER SUPPORT](#) | [GETTING CONNECTED](#) | [CORPORATE GOVERNANCE](#) | [INVESTMENT & INNOVATION](#)



Getting Connected

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Getting Connected

Other Connection Providers (You Have a Choice)

Who Can Do the Work?

What Work Can be Done?

Who Regulates Our Connection Business?

Information for ICPs and IDNOs

Extending the Scope of ICP Work

Guidance & Information

Code of Practice

Transformer Loadings

Self Determination of Point of Connection

Standard Design Matrix

Self Design Approval

Authorisation and Accreditation

Workshop Presentations

Documents

How to Contact CIC

Generation

Major Connections

Document Library

Contact Connections

AUTHORISATION AND ACCREDITATION

Accreditations

- Accreditation means accreditation awarded to an ICP under the National Electricity Registration Scheme (NERS).
- ICPs accredited under NERS to undertake specific contestable activities shall be deemed to be competent to undertake such activity normally.
- In all cases where NERS accreditation is not available SPEN will work with the scheme administrator to implement a scope change to cover the relevant activity consistent with the Relevant Objectives which are detailed within Section 2.3 of the Code of Practice which can be found [here](#).

Authorisations

SPEN accept that ICPs administer and control their own Safety Management systems (SMS) and to enable more flexibility and control within the ICP, SPEN allows all ICPs to work under their own safety rules. The details of which can be found within document CON-04-002 Process for LV and HV connections activities under SPEN and ICP's DSRs, which is available on our website [here](#).

Under the changes that have been implemented for the Code of Practice SP Energy Networks (SPEN) is committing to the 3 options that are available and would ask any ICP that is interested to contact us directly and we will work together to enable their access to their preferred option.

Please see our guide to gaining Authorisation to SPEN [here](#).

The 3 options are detailed below:

Option 1 - ICP authorisation of ICP Employees and Contractors

- ICPs shall operate under their own SMS, including the ICP's Safety Rules, which shall be of an equivalent relevant standard to SPEN's (in all cases the SMS should align to OHSAS18001 or equivalent).
- ICPs are responsible for determining the relevant competence requirements for the work to be undertaken and for the issue of an appropriate authorisation to their employees or contractors. The relevant competence requirements shall include any network specific issues identified by the ICP following consultation and communication with SPEN.
- ICPs shall provide, if requested, details of their SMS to SPEN before first accessing SPEN's Distribution System.
- ICPs shall thereafter provide, when required, reasonable information regarding their ongoing SMS to SPEN.
- SPEN will be entitled to carry out reasonable checks on the application of the relevant SMS to demonstrate so far as reasonably practicable to the Health and Safety Executive (or other interested parties) that safety assurance is in place for any ICP working on its Distribution System.
- Either party shall make available to the other relevant policies, operational processes, local information and procedures as required to facilitate safe working on SPEN's Distribution System. This may be in writing or by personal briefing as may be appropriate, but in all cases the information exchanged shall be recorded and such records must be held for future reference by each party.

Option 2 - DNO authorisation of ICP Employees

- ICPs shall operate under SPEN's SMS, including SPEN's version of the Model Distribution Safety Rules.
- SPEN will determine the relevant competence requirements and issue authorisations to the ICP's employees or contractors.
- SPEN will be entitled to undertake appropriate checks to demonstrate, so far as is reasonably practicable, that the ICP's employee or contractor has an appreciation of network hazards and local procedures.
- SPEN shall take account of authorisations issued by other DNOs in order to minimise circumstances where repeat authorisation assessments are required for work on different DNOs' Distribution Systems.
- The charges to get authorised must be cost-reflective and opportunities to be authorised must be available on a sufficiently frequent basis.
- Each party shall make available to the other the relevant policies, operational processes, local information and procedures as required to facilitate safe working on SPEN's Distribution System. This may be in writing or by personal briefing as may be appropriate, but in all cases the information exchanged shall be recorded and such records must be held for future reference by each party.

Option 3 - Transfer of Control

- SPEN shall transfer control of a specified part of its Distribution System for the purposes of the ICP's activity.
- The ICP shall have full control of the specified part of SPEN's Distribution System and shall carry out the work in accordance with its own SMS, including its Safety Rules.
- Each party shall make available to the other the relevant policies, operational processes, local information and procedures as required to facilitate safe working on SPEN's Distribution System. This may be in writing or by personal briefing as may be appropriate, but in all cases the information exchanged shall be recorded and such records must be held for future reference by each party.

xiii) Land Rights & Consents

https://www.spenergynetworks.co.uk/pages/land_rights_consents.aspx



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Customer Support

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[Help & Advice](#)

[General Enquiries](#)

[A Caring Network](#)

[Online Forms](#)

[Land Rights & Consents](#)

[Land Rights](#)

[Land Rights for Connections Customers](#)

[Land Enquiry Form](#)

[Community Energy](#)

LAND RIGHTS & CONSENTS

In order to install, maintain and operate overhead lines, underground cables and substations, we require the use of land occupied by many individuals (known as Grantors).



The right of access to the land is granted through a [Land Right](#) which can be a personal agreement between ourselves and the Grantor (wayleave) or a permanent right to the land (servitude/easement).

If you are already a Grantor or you want to know more about Land Rights and Consents please contact us via our [Land Enquiry Form](#) or by using the links below.

Land Rights



Find out how right of access to the land is granted

[FIND OUT MORE](#)

Land Rights for Connections Customers



To get you connected to our network, we often need to secure appropriate land rights

[FIND OUT MORE](#)

Land Rights Information Leaflet for Transmission Projects



Our approach to the acquisition of Land Rights in relation to Transmission projects

[VIEW PDF](#)

Land Enquiry Form



Our quick and easy-to-use online enquiry form

[FIND OUT MORE](#)

Works on Your Land



Our agreement with you is underpinned by our commitment to working with you with courtesy and consideration.

[VIEW PDF / WELSH VERSION](#)

Land Code of Conduct



Our agreement with you is underpinned by our commitment to working with you with courtesy and consideration.

[VIEW PDF / WELSH VERSION](#)

Fee Scale



Our rate of payment to you for apparatus on your land (ENA)

[VIEW PDF](#)

https://www.spenergynetworks.co.uk/pages/land_rights_for_connections_customers.asp

X



Customer Support

[Home](#) > [Customer Support](#) > [Land Rights & Consents](#) > [Land Rights for Connections Customers](#)

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General Enquiries	▼
A Caring Network	▼
Online Forms	▼
Land Rights & Consents	▼
Land Rights	
Land Rights for Connections Customers	▶
Land Enquiry Form	
Community Energy	▼

LAND RIGHTS FOR CONNECTIONS CUSTOMERS

To get you connected to our network, we often need to secure appropriate land rights in order to locate our equipment or cables on your land or a third parties land.

Our stakeholder feedback of the Land Rights process is improving and we are continuing to implement initiatives to enhance the customer experience, please take a look at our latest stakeholder update!



- Land Rights Stakeholder Update June 2019 [↗](#)

The term land rights is used as a collective term to cover the acquisition of property rights, such as freehold and leasehold interests, a lease or purchase or servitudes, easements or wayleaves, that SP Energy Networks will require to be in place before we can make a connection for you to our network. In order to ensure the works are undertaken in a lawful manner we may also require 'statutory planning' consents such as a section 37 consent to install an overhead line or a planning consent to construct a substation. Other environmental consents, licences or permits may also be required for work in or around certain sensitive ecological habitats or species, water bodies or cultural heritage sites, some of which may have significant statutory protection.

We would ask you to take the following key factors into consideration when planning your project:

- We require the consent of the land owner prior to beginning any works
- The timescales associated with obtaining third party agreement may affect your project's delivery
- We do not seek such consents until you have accepted our quotation
- The price on our quotation is given subject to all consents being agreed
- Where consents are refused a new design and quotation will be required
- We cannot undertake any works on third party land until all consents have been agreed

More information is available in our Land Rights for Connections Customers guidance document which contains information on our process and requirements.

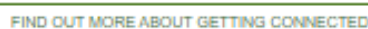
- [Land Rights for Connection Customers](#) [↗](#)

To further assist, we have provided the associated lease and servitude templates which may be required as part of your connection. See the links to these below:

- [Windfarm Lease](#) [↗](#)
- [Substation Lease \(Whole Substation Building\)](#) [↗](#)
- [Substation Lease \(Internal Parts Only\)](#) [↗](#)
- [Standard Servitude \(Overhead and Underground\)](#) [↗](#)
- [Standard Deed of Grant \(easement\) \(Underground and Overhead\)](#) [↗](#)
- [Windfarm Servitude](#) [↗](#)

Incorporated Rights (SP Manweb)

Where an IDNO is installing a new electricity connection, they will retain ownership of the network and therefore have their own land rights with the landowner. In order to better facilitate the land rights required for the IDNO's network to connect into SP Manweb's network, we can incorporate SPM's rights required into the agreement between the IDNO and the landowner. This allows the IDNO to secure SPM's land rights directly with the landowner. Please see our Incorporated Rights customer process map for more detail and contact wayleavessouth@spenergynetworks.co.uk for enquiries.



Land Rights - https://www.spenergynetworks.co.uk/pages/land_rights.aspx



Customer Support

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Land Rights	▶
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Land Enquiry Form	
Community Energy	▼

LAND RIGHTS

The right of access to the land is granted through a Land Right which can be a personal agreement between ourselves and the Grantor (wayleave) or a permanent right to the land (servitude/easement).



The different types of Land Right obtained by SP Energy Networks are:

LAND RIGHTS FOR OVERHEAD LINES AND UNDERGROUND CABLE	
WAYLEAVE AGREEMENT	- A Personal Agreement between SPD/SPM and the individual/company granting the right. - Used to gain consent for Overhead Line and Underground Cable Apparatus. - An annual payment or one off payment is usually paid to the grantor as long as they are not the sole beneficiary of the apparatus. - Payment Rate is reviewed annually. - Wayleaves are not registered against the land therefore if the land is subsequently sold the right will not automatically transfer to the new owner.
SERVITUDE/EASEMENT	- Provides greater security than a Wayleave Agreement. - Executed as a Deed therefore it is registered against the property on HM Land Registry and is permanently affixed to the land. - A Servitude/Easement forms a contract between SPD/SPM and the landowner and will include a right of access for inspection, maintenance and future operations. - Servitude/Easements are processed through solicitors and this reflects the greater security of tenure afforded to us and also the timescales involved.
FREEHOLD TRANSFER (SALE)	- SPD/SPM would prefer a freehold interest in the land where a Sub-Station is to be built for a major project, for example a Housing Development. - The land would then be owned by SPD/SPM and the Title would be registered at HM Land Registry. - The transfer would also include associated rights of access and appropriate for underground cables etc.

LEASE	- SPD/SPM would be prepared to enter into a lease for a Sub-Station site for commercial/industrial developments. - The landowner would grant us the right to occupy their land/building over a mutually agreed time period. - The lease will include rights for access to the sub-station 24/7, together with the rights for underground cable and associated apparatus.
-------	--

What if a voluntary agreement cannot be reached?

In some cases a voluntary agreement will not be reached and we may require to rely on our statutory powers to compulsorily secure the relevant land rights. In such circumstances where agreement cannot be reached and no alternative design solution exists. Prior to entering into the use of statutory powers, the circumstances and how to proceed should be reviewed by the SPEN Project Manager, Land Offer and the customer. The costs relating to the use of statutory powers will be in addition to your connection costs.

COMPULSORY PURCHASE	We can acquire ownership of, rights in, and rights to, land by way of the compulsory acquisition process set down under schedule 3 of the Electricity Act 1989 (as amended). A "start to finish" compulsory acquisition can take between 9 months to 3 years. As such, the process is only effective in projects where there are sufficiently defined timescales. Furthermore, a compulsory purchase order can only be proposed where there is a sufficient "needs case" justification for doing so.
NECESSARY WAYLEAVE	We can acquire a necessary wayleave for overhead line and cable apparatus under Schedule 4 of the Electricity Act. A necessary wayleave offers more protection than a voluntary wayleave in that it binds the land covered by the necessary wayleave for a stated term and does not fall as a result of a change of owner. The process can take between 6-12 months.

Other types of consents

As well as land rights, other consents may be required as part of your connection. These may relate to:

- Statutory planning consents for the construction of an overhead line or substation.
- Other environmental consents, licences or permits which may be required for:
- Work in or around water bodies;
- Work in or around certain sensitive ecological habitats or species, some of which may have significant statutory protection.
- Work in or around buildings and sites of historic importance
- In cases where such 'sensitive sites' are encountered these may trigger the need for particular environmental evaluation or the need for full Environmental Impact Assessment (EIA).

The requirement for such consents is obviously dependent on the development type and its location and as such requires to be considered on a case by case basis. Different types of consents will have different programme implications.

These consents will require various levels of engagement with statutory authorities and interested parties.

SECTION 37 CONSENT	The Electricity Act contains certain provisions for planning relating to the construction or alteration of overhead lines. Consent relating to 33kV overhead lines and below are required under section 37 of the Act. Section 37 consent is granted by the Scottish Ministers in Scotland and the Secretary of State in England and Wales. Whilst applications are made to The Scottish Government / DECC, these consents requires consultation with the relevant local authorities and other statutory bodies. The Secretary of State Scottish Ministers may take in to account the number of land rights that have been granted prior to the granting of the section 37 consent. The Land Officer appointed to your connection will keep you fully informed as to any consent that may be required to construct the connection.
PLANNING CONSENT BY A CUSTOMER	If a substation is required as part of the customer's connection arrangements, typically for development such as housing or commercial, we expect you to obtain planning permission for the new substation. Before a lease or transfer for a new substation site can be concluded, you must provide evidence to our solicitor that planning permission has been obtained for the new substation.



Our Land Rights and Works on Your Land documents can be viewed by selecting the links below.

- [Land Code of Conduct](#)
- [Land Code of Conduct \(Welsh\)](#)
- [Works on Your Land](#)
- [Works on Your Land \(Welsh\)](#)

If you are already a Grantor or you want to know more about Land Rights and Consents please contact us via our [Land Enquiry Form](#) or by using the contact details below:

CENTRAL & SOUTHERN SCOTLAND	CHESHIRE, MERSEYSIDE, N. WALES & N.SHROPSHIRE
Telephone: 0845 301 0014	Telephone: 0845 030 3053
CONTACT US VIA EMAIL:	
Wayleaves North	Wayleaves South
WRITE TO US:	
Wayleaves SP Energy Networks 55 Fullerton Drive Cambuslang Glasgow G32 8FA	Wayleaves SP Energy Networks Wrexham Road Penre Bychan Wrexham LL14 4DU

Customer Process –

https://www.spenergynetworks.co.uk/pages/customer_process_new_connection.aspx



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Getting Connected

[Home](#) > [Getting Connected](#) > [Getting Connected](#) > [Customer Process](#) > [Customer Process: New ...](#)

CUSTOMER PROCESS: NEW CONNECTION

This page features animated content. View a [text only version of the New Connection Process](#).

Stage 1/8: Make Your Enquiry





You make an enquiry about a new connection via **telephone**, **email** or **online form**.



Read our **Getting Connected to the Electricity Network Leaflet**

Not sure what **connection type** you require? We can **guide** you through the process.



Find out more about **SP Energy Networks Connections** with our selection of information **e-leaflets** and **videos**.



Do you need to **move your electricity meter**? Find out how **SP Energy Networks** can help you.



We are here to **support** you. Click here to find out how to **contact us**.



xiv) Connection Agreements

https://www.spenergynetworks.co.uk/pages/connection_agreements.aspx



Getting Connected

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Getting Connected	▼	CONNECTION AGREEMENTS Connection Agreements are a key step in the connections process. They set out the legal terms for connecting to the SP Distribution (SPD) and SP Manweb (SPM) distribution networks. National Terms of Connection The generation, distribution and supply of electricity is governed by the Distribution Connection and Use of System Agreement (DCUSA). This is a multiparty contract which makes provisions for the use of the electricity systems to transport electricity to or from customers' premises, and connection to electricity distribution systems. Within DCUSA there are the National Terms of Connection (NTC). These terms govern the demand and generation of electricity. By being party to DCUSA, suppliers act on behalf of distributors to ensure that the NTC apply to all customers. However, there are some instances where site-specific connection terms are also required. Site-specific Connection Terms Where a site-specific connection agreement is required, there are two types of connection agreements: 1. Bespoke Connection Agreement A Bespoke Connection Agreement is required where the connection is made at Low Voltage (LV) for generation where you have applied via a G99 application form. They are also required where your connection is for generation (including in instances where the generation has no export to the network) or for demand connections where they are connected at a High Voltage (HV) level or above. The Bespoke Connection Agreement will include the specific connection arrangement, the responsibilities of each party and any conditions that apply.
Other Connection Providers (You Have a Choice)	▼	
Who Can Do the Work?		
What Work Can be Done?		
Who Regulates Our Connection Business?		
Information for ICPs and IDNOs	▼	
Extending the Scope of ICP Work		
Guidance & Information	▼	
Code of Practice	▼	
Documents	▼	
Connection Agreements	▶	
Construction & Adoption		

Keeping You Informed		2. Bilateral Connection Agreement
Customer Leaflets		A Bilateral Connection Agreement is used in line with DCUSA obligations, with each Independent Distribution Network Operator (IDNO) connection requiring an appropriate Bilateral Connection Agreement to clearly outline the responsibilities, liabilities, and indemnities of both parties on a site-specific basis. These responsibilities are set out within DCUSA and ensure a consistent approach.
Policies, Procedures and Specifications: Documentation		Where a bespoke or bilateral connection agreement is required, it must be signed by both parties prior to energisation.
How to Contact CIC	✓	Modifications to Site-specific Connection Agreements
Generation	✓	Any works required to reinforce an existing connection, or any agreement by SPD/SPM to modify your current connection terms (for example, increasing or reducing your Maximum Import/Export Capacity), will require your Bespoke or Bilateral Connection Agreement to be updated to reflect the agreed changes. This updated agreement must be signed by both parties.
Major Connections	✓	Operational Notifications
Document Library	✓	If your connection is a new generation connection, you may be required to confirm compliance with the relevant requirements of Engineering Recommendation (EREC) G99. This is carried out through additional compliance checks completed by SPD/SPM. These may include the completion of an Energisation Operational Notification (EON) and/or the completion of an Interim Operational Notification (ION). In all cases a Final Operational Notification (FON) will be required. Further details are provided below:
Contact Connections	✓	Energisation Operational Notification (EON) is applicable to Type D generation only (Type D generation refers to large-scale power producers ≥ 50 MW or connecting at ≥ 110 kV). An EON is issued to the Generator to permit connection to the network and energisation. Once all the required information has been provided, an Interim Operational Notification (ION) can be obtained, which authorises initial export at a limited output. This limitation remains in place until the relevant voltage control tests have been successfully completed. Interim Operational Notification (ION) is applicable to Type D projects which have unresolved issues but can begin operation, subject to the terms outlined in the ION. If necessary, the ION can be extended, but the maximum length of time that an ION can be used is 24 months. If the issues remain beyond this period, then it will be necessary to obtain a derogation from Ofgem. Final Operational Notification (FON) is applicable to Type A, B, C and D projects which have completed the full set of commissioning tests and has submitted a completed Power Generating Module Document (PGMD) and all the required data. The FON forms a formal part of the Bilateral Connection Agreement between the Distribution Network Operator (DNO) and the Customer. Regardless of your type of connection, the completion and signing of this notification will be required.

xv) Construction and Adoption Agreements

https://www.spenergynetworks.co.uk/pages/construction_adoption_agreements.aspx



Getting Connected

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Connection Agreements
Construction & Adoption
Keeping You Informed
Customer Leaflets
Policies, Procedures and Specifications: Documentation

CONSTRUCTION & ADOPTION

New & Modified Connections

If you have appointed an accredited Independent Connection Provider (ICP) to undertake some or all contestable works, they are required to work in accordance with the terms and conditions of our Construction and Adoption Agreement.

The Construction and Adoption Agreement can either be bilateral between you and us or us and your appointed ICP, or on a tripartite. It sets out the terms and conditions under which we will agree to adopt the assets installed. Once adopted, they will become part of our network following satisfactory inspection and testing.

Agreements

- [SP Distribution \(SPD\) Bilateral Adoption Agreement](#)
- [SP Distribution \(SPD\) Tripartite Adoption Agreement](#)
- [SP Manweb \(SPM\) Bilateral Adoption Agreement](#)
- [SP Manweb \(SPM\) Tripartite Adoption Agreement](#)

Framework agreements are also available for those organisations who complete a significant volume of projects within our network area. This provides the option of initially signing an over-arching agreement and then only completing a site specific schedule for each project.

If you are interested in this option please contact the relevant Account Manager who will be able to assist, details of which can be found [here](#).

Terms & Conditions

- [SPD - General Bilateral Terms & Conditions for Adoption of Contestable Works](#)
- [SPD - General Tripartite Terms & Conditions for Adoption of Contestable Works](#)
- [SPM - General Bilateral Terms & Conditions for Adoption of Contestable Works](#)
- [SPM - General Tripartite Terms & Conditions for Adoption of Contestable Works](#)

Street Lighting & Street Furniture

For any assets installed in relation to street furniture or street lighting, you – or in the case of street lighting – a street lighting authority, can appoint an accredited ICP to undertake the work.

The appointed ICP will be required to carry out the works in accordance with the terms and conditions of our Construction & Adoption Agreement. The agreement will be between you, us and your appointed ICP.

The terms upon which we will adopt the new assets are set out within the agreement and, once the assets have been adopted, will be operated and maintained by us.

Agreements

- [SP Distribution - Street Lighting & Street Furniture C&AA](#)
- [SP Manweb - Street Lighting & Street Furniture C&AA](#)

Terms & Conditions

- [SP Distribution General Conditions for Street Furniture](#)
- [SP Manweb General Conditions for Street Furniture](#)

xvi) Escalation Process

https://www.spenergynetworks.co.uk/pages/escalation_process.aspx



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Escalation Process	▶
Generation	▼
Major Connections	▼
Document Library	▼
Contact Connections	▼

ESCALATION PROCESS

We are committed to providing you with excellent customer service, first time every time. However, if you have any concerns or issues then please follow the process outlined below.



** Please use our [contacts page](#) to find the specific details of the manager for each district.

Please note if you have followed the process above and are not happy with the resolution and want to make a complaint, then you should follow our [complaints procedure](#).

Appendix 2 – UMV and Open data Portal screenshots

i) UMV/GND/Power On Portal Screen



SP Energy Networks Map Viewer - Internal



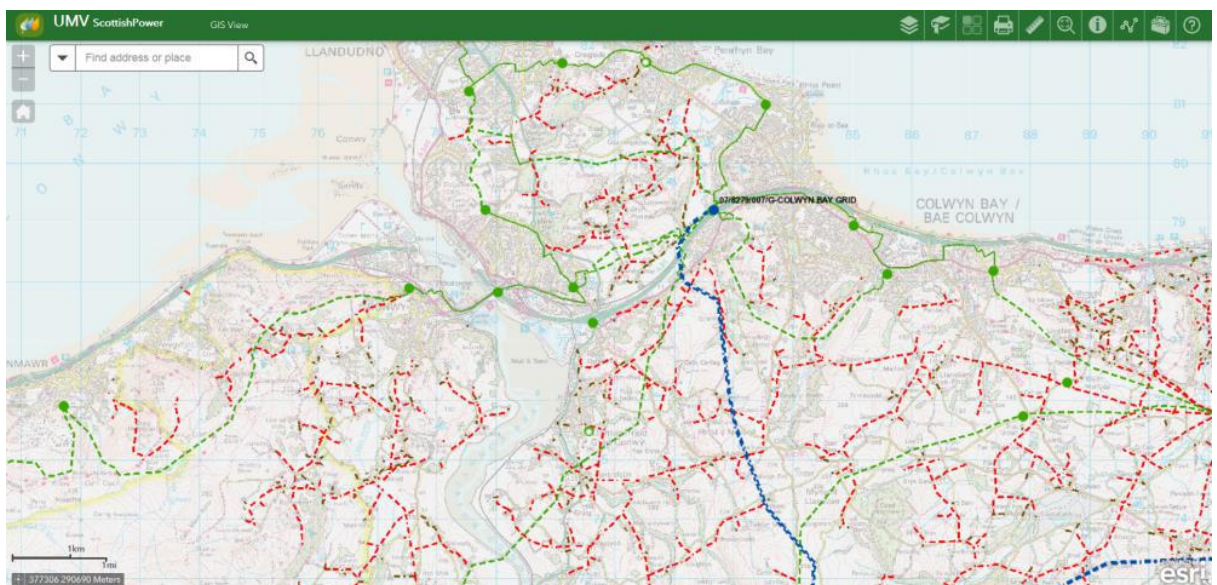
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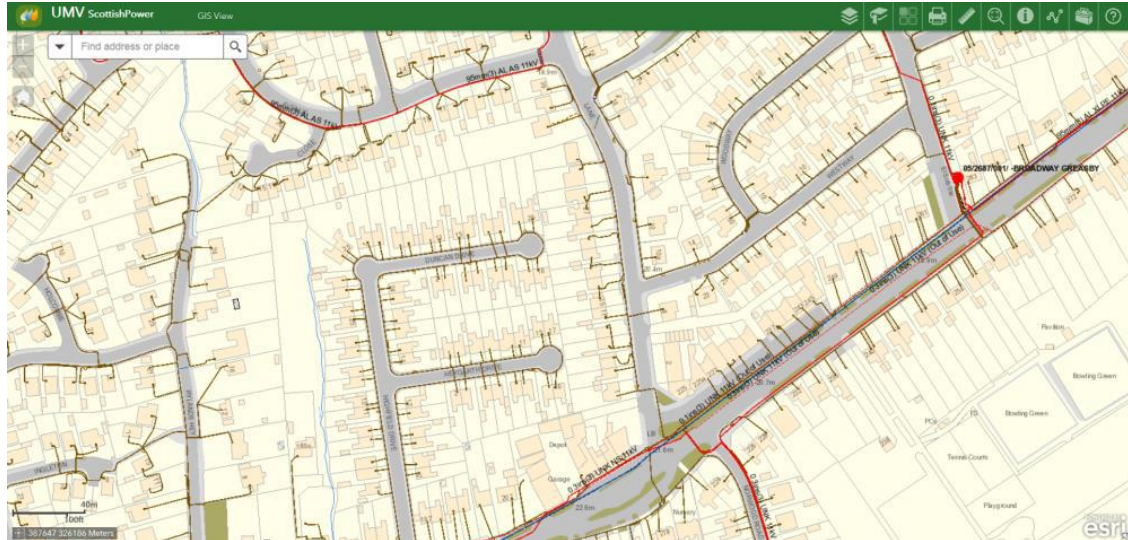
ii) UMV Mini Scale



iii) UMV Landranger



iv) UMV Master Map



v) Open Data Portal



[Full Data Catalogue](#)
[Roadmap](#)
[Features pages](#)
[Documentation](#)
[Help](#)

[Request access to our restricted datasets via the Data Request Form](#)
[Data Request Form](#)

SP Energy Networks Open Data Portal

Discover the data behind our electricity network powering Scotland, Wales, and England.

[Contact Us](#)

[Local Authorities](#)
[Developers](#)
[Flexibility Service Providers](#)
[Other](#)

Explore Interactive Maps

Discover some of the interactive maps available on the portal.



[Licence Polygons](#)
[Smart Meter Penetration](#)
[LV Monitoring](#)
[GIS Shapefiles](#)

Data Hub

Network Data

We have split our data into four main themes to make browsing easier. Below you will find a short description of each. When you click into these, you will be taken to a filtered data catalogue. If you still cannot find what you are looking for please email the Open Data mailbox at open.data@spenergy.co.uk and a member of the team will be in touch.

Asset Data



Flexibility



Future Networks



Operational Data



[View all](#)

Restricted Datasets

These datasets are available under our [dataset licence](#) which helps ensure responsible and secure use. To access them, simply submit a request providing us with as much detail as possible. Your request will then be reviewed by a member of the team who will be in touch with next steps.

[GIS Shapefiles](#)
[Secondary Network](#)
[LTDS CIM](#)

SPH GIS Shapefiles – Point Assets



SPD & SPT GIS Shapefiles – Point Assets



SPH GIS Shapefiles – Line Assets



SPD & SPT GIS Shapefiles – Line Assets



[Request Form](#)

Feature Pages

Your 2026 Guide

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Regulatory Requirements	1. Regulatory requirements 2. Regulatory requirements 3. Regulatory requirements	1. Regulatory requirements 2. Regulatory requirements 3. Regulatory requirements
Point Requirements	1. Point requirements 2. Point requirements 3. Point requirements	1. Point requirements 2. Point requirements 3. Point requirements

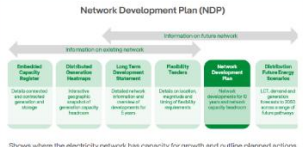
The Open Data Roadmap sets out a structured plan to make our network data more transparent, accessible, and high-quality, aligning with Ofgem's Data Best Practice principles and supporting innovation, stakeholder engagement, and the transition to a decarbonised, digital energy system.

Distributed Future Energy Scenarios (DFES)



These are forecasts which are updated annually for key customer demand and generation metrics up until 2050. DFES is developed considering a range of sources across four main energy scenarios.

Network Development Plan (NDP)



Shows where the electricity network has capacity for growth and outline planned actions – like flexibility and reinforcement – to increase capacity, providing a medium-term view between short-term LTDS and long-term DFES.

News and Updates

Q2 Datasets

Discover the latest updates to the SPEN Open Data Portal. Explore our new LTDS Connections Data for an aggregated view of low-voltage technology connections across the network, benefit from major enhancements to the Embedded Capacity Register, and uncover trends through the new Interactive Generation Mix Dashboard. You can also explore our new Transmission and Distribution Capacity Heatmaps to quickly identify network capacity, utilisation, and constraints. Click to explore the latest data and insights.

LTDS CIM Stage 2 released

We have recently published the second stage of our LTDS CIM for SPD and SPT, marking another important milestone in our globalisation and data sharing journey. This release enhances the availability and consistency of network planning data through the Common Information Model (CIM), supporting greater transparency and collaboration across the energy sector.

[Access the data here](#)

Open Data Survey Results

Want a first look at what's coming next for SPEN Open Data? Watch this short video to see how your feedback is shaping our 2026 roadmap, from exciting new datasets and industry leading accessibility enhancements to the latest improvements already live across the Portal. Discover what's changing, why it matters, and how these updates will make it even easier to access and use the data you need.

[Click to watch and explore what's ahead](#)

Q1 Datasets

Discover the latest additions to the SPEN Open Data Portal. Explore our new Substation Naming Reference Table, which aligns substation names across all datasets to improve interoperability and simplify data integration. Gain insights into the environmental impact of the network with our new Carbon Accounting dataset. Identify opportunities for development and investment using our Historic Demand Curves, offering average weekly demand profiles for substations. Plus, make sense of key industry terminology with our new Open Data Portal Glossary.