

# Competition in Connections Code of Practice Reporting Requirements

## Supporting Evidence

## SSEN Website Information Screenshots

Scottish Hydro Electric Power Distribution plc (SHEPD)  
and  
Southern Electric Power Distribution plc (SEPD)

30<sup>th</sup> September 2024

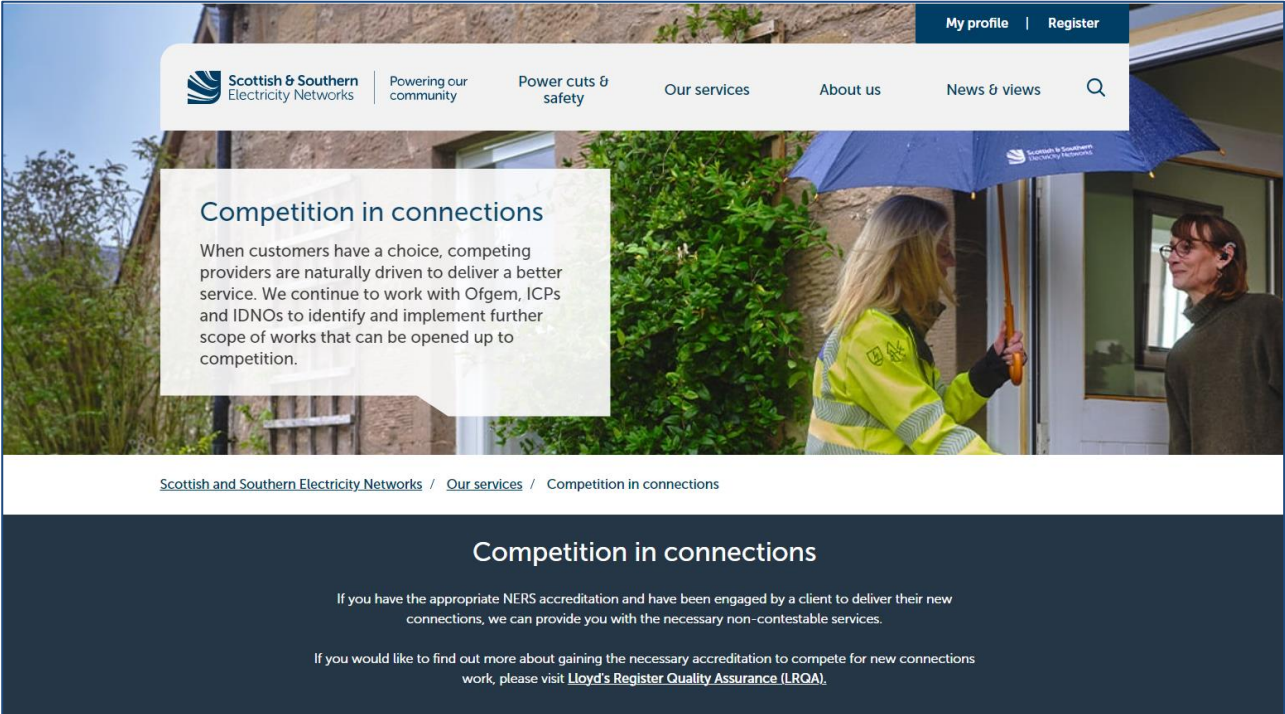


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**1. Screenshot No. 1: ‘Competition in Connections’**

Competition in connections



My profile | Register

Scottish & Southern Electricity Networks | Powering our community | Power cuts & safety | Our services | About us | News & views

## Competition in connections

When customers have a choice, competing providers are naturally driven to deliver a better service. We continue to work with Ofgem, ICPs and IDNOs to identify and implement further scope of works that can be opened up to competition.

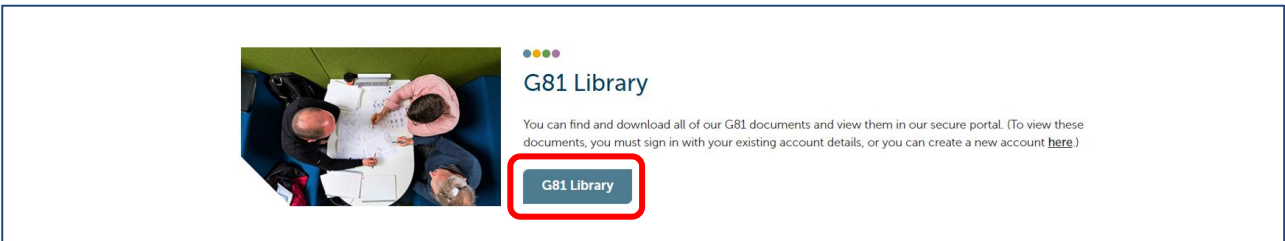
Scottish and Southern Electricity Networks / Our services / Competition in connections

### Competition in connections

If you have the appropriate NERS accreditation and have been engaged by a client to deliver their new connections, we can provide you with the necessary non-contestable services.

If you would like to find out more about gaining the necessary accreditation to compete for new connections work, please visit [Lloyd's Register Quality Assurance \(LRQA\)](#).

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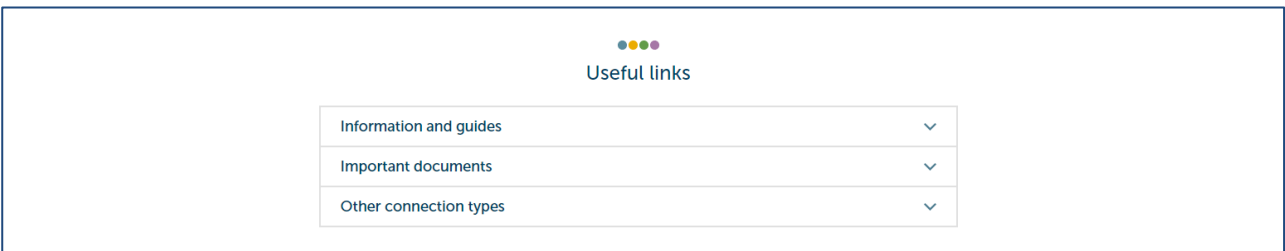


### G81 Library

You can find and download all of our G81 documents and view them in our secure portal. (To view these documents, you must sign in with your existing account details, or you can create a new account [here](#))

[G81 Library](#)

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### Useful links

- Information and guides
- Important documents
- Other connection types

...

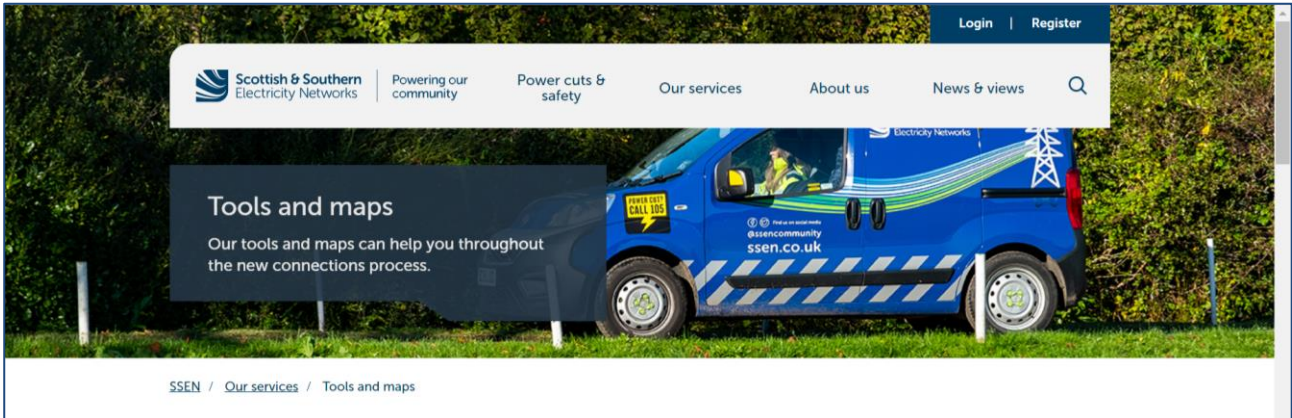


Useful links

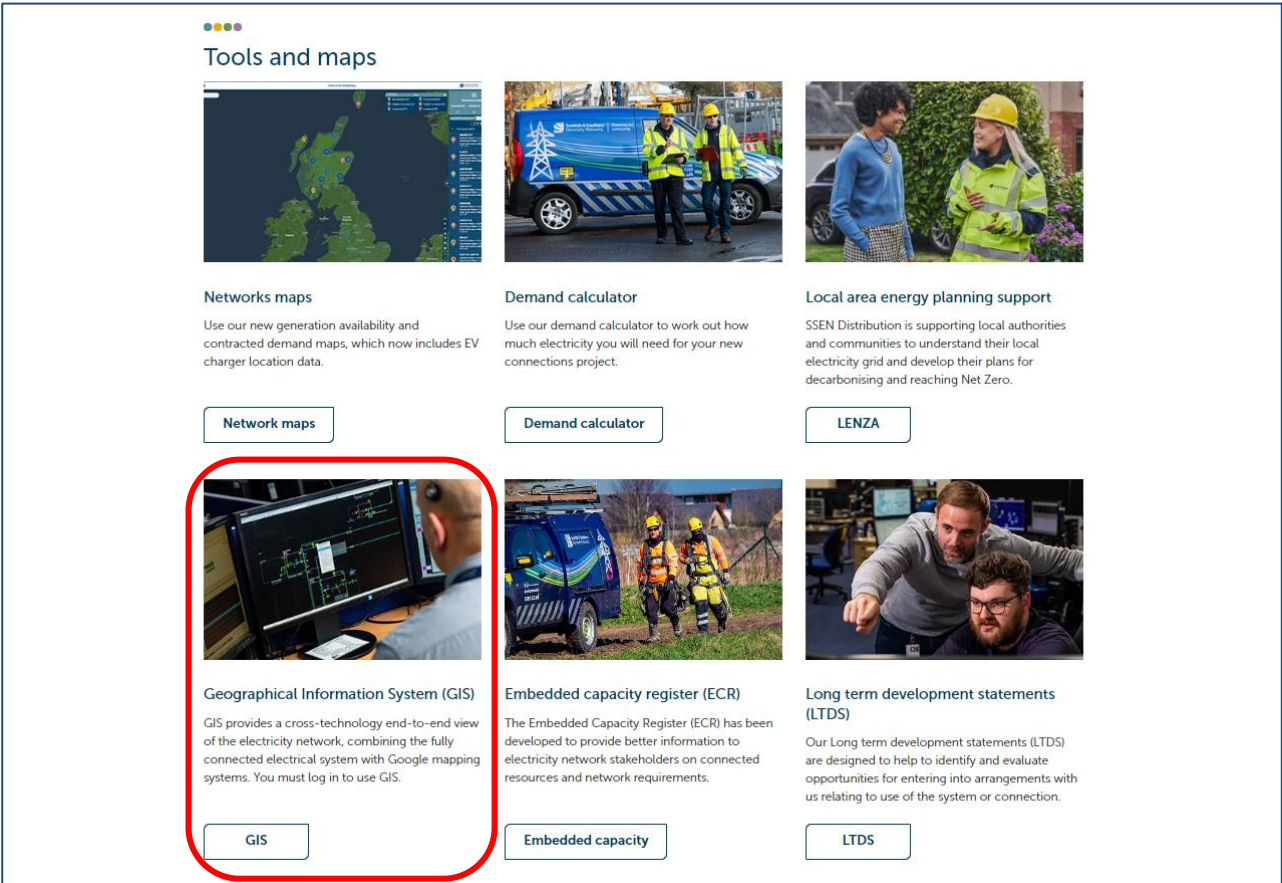
- Information and guides
- Important documents
- [Access and Forward-Looking Changes Significant Code Review \(or "Access SCR"\)](#)
- [Competition in connections useful documents](#)
- [Competition in connections code of practice](#)
- [Connections Useful Documents](#)
- [Cost apportionment register](#)
- [Detailed Long Term Development Statements \(LTDS\)](#)
- [Design and specification documents](#)
- [EO Web Login \(ssen.co.uk\)](#)
- [G81 Design Specification and Operational Documents for Comment](#)
- [HV Network Schematics](#)
- [Letter of Authority](#)
- [Library for Charging Statements and Other Information](#)
- [Line Search Before U Dig](#)
- [Network Geographical Information System \(GIS\)](#)
- [Network rating and loading](#)
- [Network Capacity Information](#)
- [POC Design Guidance Matrix](#)
- [Safety Bulletins](#)
- [Stakeholder engagement – Incentive on Connections Engagement](#)
- [Performance Standards](#)
- [Tools and maps](#)

## 2. Screenshot No. 2: 'Tools and maps'

### Tools and maps



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**Tools and maps**

**Networks maps**  
Use our new generation availability and contracted demand maps, which now includes EV charger location data.  
[Network maps](#)

**Demand calculator**  
Use our demand calculator to work out how much electricity you will need for your new connections project.  
[Demand calculator](#)


**Local area energy planning support**  
SSEN Distribution is supporting local authorities and communities to understand their local electricity grid and develop their plans for decarbonising and reaching Net Zero.  
[LENZA](#)

**Geographical Information System (GIS)**  
GIS provides a cross-technology end-to-end view of the electricity network, combining the fully connected electrical system with Google mapping systems. You must log in to use GIS.  
[GIS](#)

**Embedded capacity register (ECR)**  
The Embedded Capacity Register (ECR) has been developed to provide better information to electricity network stakeholders on connected resources and network requirements.  
[Embedded capacity](#)

**Long term development statements (LTDS)**  
Our Long term development statements (LTDS) are designed to help to identify and evaluate opportunities for entering into arrangements with us relating to use of the system or connection.  
[LTDS](#)


...



**Loading and rating / HV Schematics**

We have compiled loading and maximum demand data for individual feeders and substations. This data has been prepared for both of our regions and will give you information about the local network to allow the analysis required to ensure a safe and secure supply when self-identifying POCs.


[Loading and Rating / Schematics](#)



**G81 Library**

We have prepared a number of detailed design, technical specification and operational documents for the planning and design of connections to the network.


[G81 Library](#)



**Cost Apportionment Register**

Using the links on our page, you can download the most up to date Cost Apportionment Register for northern Scotland or central southern England.


[Cost Apportionment Register](#)



**POC Self Identification Matrix & Self Design Approval Guidance**

The POC Self Identification Matrix & Self Design Approval Guidance outlines the work that may be conducted by NERs accredited Alternative Providers and the analysis that must be carried out to ensure a safe and secure supply to our customers.


[Find out more](#)



**Network Capacity Information**

You can view our network capacity information detailing the rating and capacity of our network assets, view our long term development statements, network management maps, and more.

[Network Capacity Information](#)




**SSEN Data Portal**

A single point of access for data published by SSEN Distribution.

[Data Portal](#)

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**NeRDA (Near Realtime Data Access)**

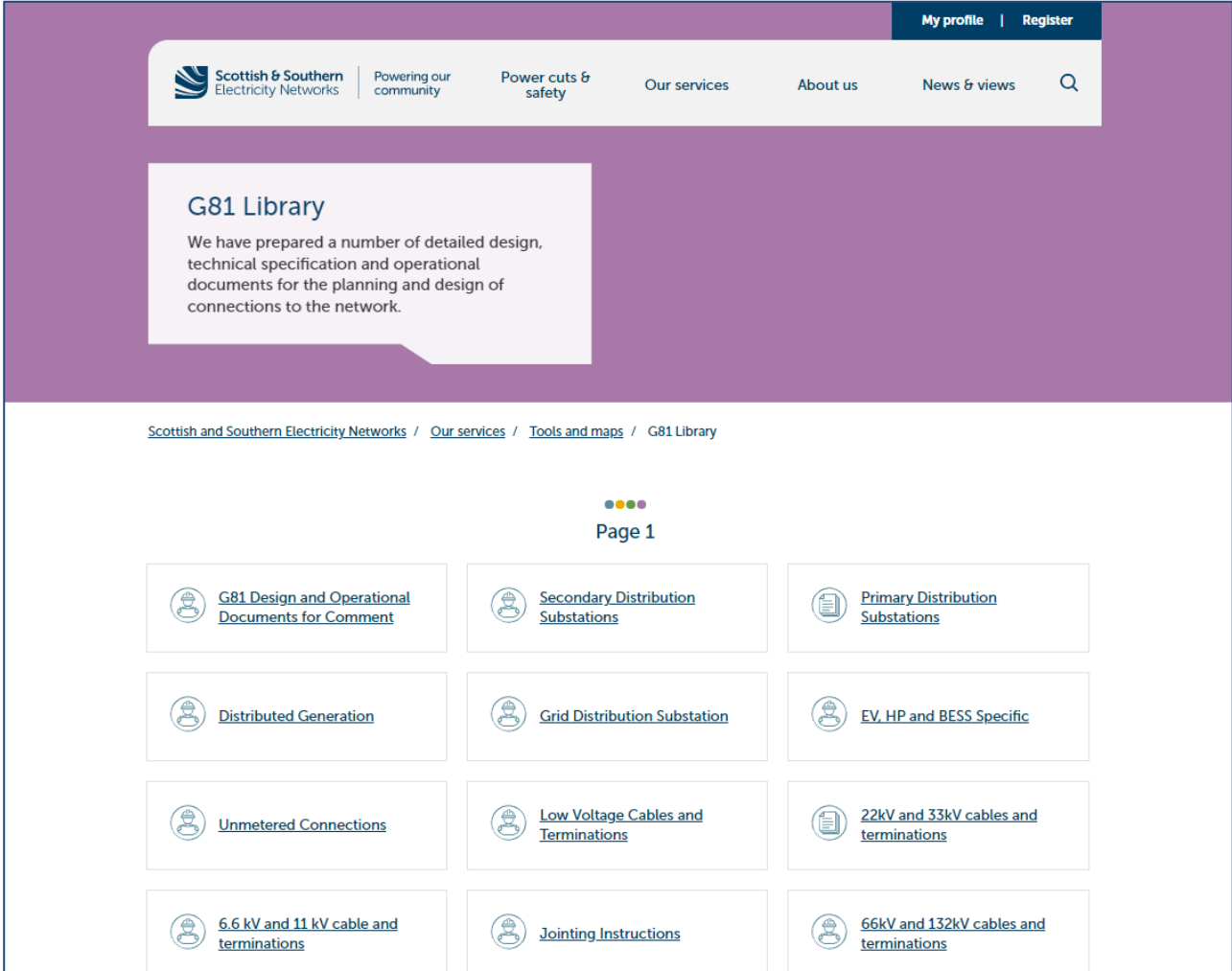
The Near Real-time Data Access (NeRDA) portal makes available power flow information from our Network via an API or dashboard near real-time for interested parties.

[NeRDA](#)



### 3. Screenshot No. 3: 'G81 Library'

#### G81 Library












The screenshot shows the 'G81 Library' page on the Scottish & Southern Electricity Networks website. The page features a navigation bar at the top with links for 'My profile', 'Register', 'Powering our community', 'Power cuts & safety', 'Our services', 'About us', and 'News & views'. A search icon is also present. Below the navigation bar, a large purple banner contains the title 'G81 Library' and a brief description: 'We have prepared a number of detailed design, technical specification and operational documents for the planning and design of connections to the network.' Below this banner, a breadcrumb trail reads: 'Scottish and Southern Electricity Networks / Our services / Tools and maps / G81 Library'. The main content area is titled 'Page 1' and displays a grid of 12 document links, each with a small icon representing a document or a specific category. The links are arranged in four rows and three columns.

Page 1		
<a href="#">G81 Design and Operational Documents for Comment</a>	<a href="#">Secondary Distribution Substations</a>	<a href="#">Primary Distribution Substations</a>
<a href="#">Distributed Generation</a>	<a href="#">Grid Distribution Substation</a>	<a href="#">EV, HP and BESS Specific</a>
<a href="#">Unmetered Connections</a>	<a href="#">Low Voltage Cables and Terminations</a>	<a href="#">22kV and 33kV cables and terminations</a>
<a href="#">6.6 kV and 11 kV cable and terminations</a>	<a href="#">Jointing Instructions</a>	<a href="#">66kV and 132kV cables and terminations</a>

...

●●●●  
Page 2

 <a href="#">Overhead Lines on Wooden Poles</a>	 <a href="#">Overhead Lines on Steel Towers</a>	 <a href="#">Transmission</a>
 <a href="#">Access to Infrastructure</a>	 <a href="#">Safety Bulletins</a>	 <a href="#">Operational Documents</a>
 <a href="#">Product Update</a>	 <a href="#">Site Sketches Information</a>	 <a href="#">Access SCR Flexible Solutions</a>

**Do you wish to speak with us?**

If you wish to comment on any of our updates or have a query on our engineering documents, please e-mail us and our team will get back to you.


[C81.Feedback@sse.com](mailto:C81.Feedback@sse.com)






#### 4. Screenshot No. 4: 'Sign in to your account'

[Sign in to your account \(ssen.co.uk\)](https://ssen.co.uk)



Powering our community




### Sign in with your existing account

Email Address

Password [Forgot your password?](#)


**Sign in**

Don't have an account? [Sign up now](#)





### POWER CUT? CALL 105

Useful Links

 SSEN Website:  
[ssen.co.uk](https://ssen.co.uk)

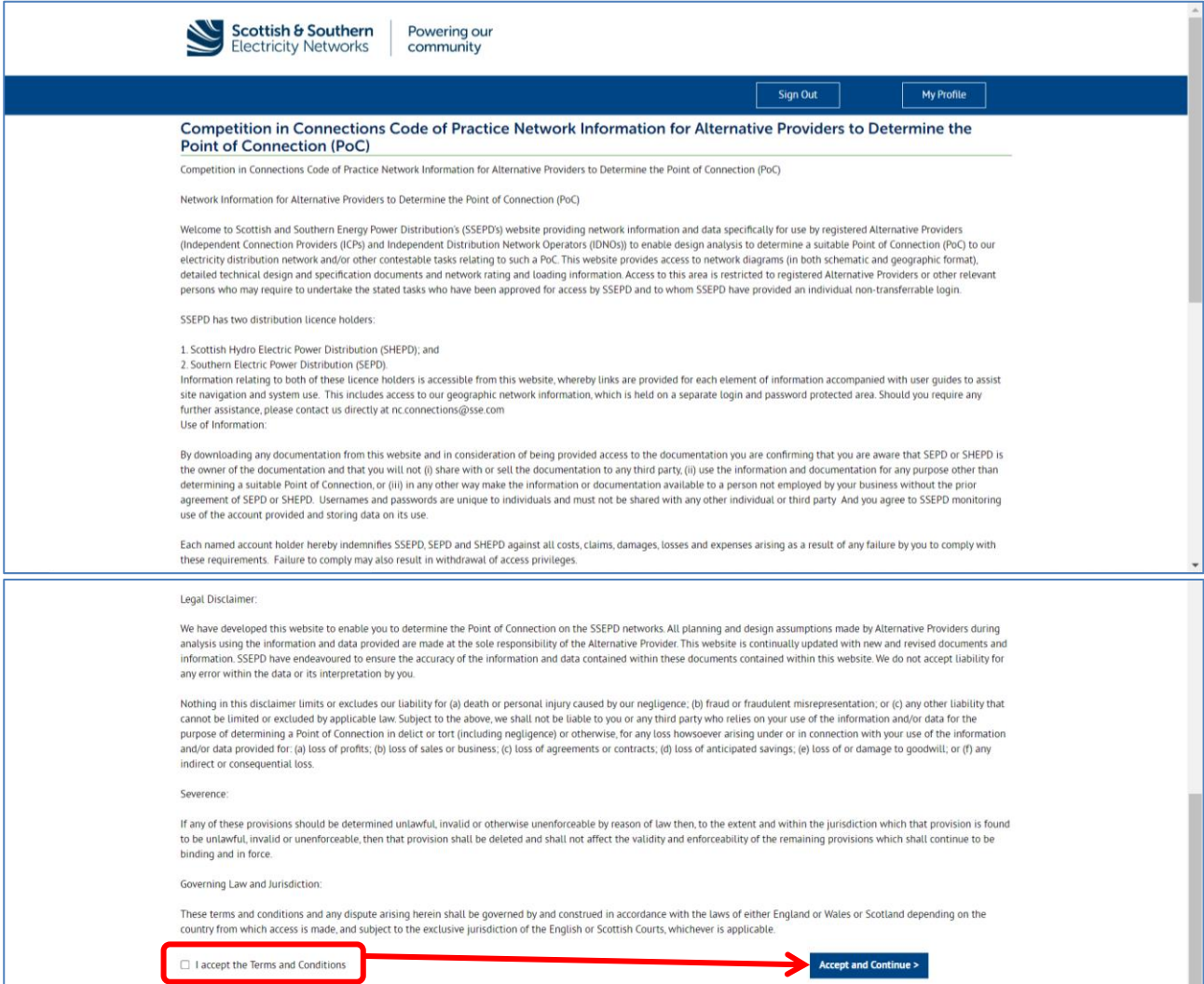
Need some help?


 Call us on:  
**0800 048 3516**

 Email us at:  
[connections@ssen.co.uk](mailto:connections@ssen.co.uk)

## 5. Screenshot No. 5: ‘Secure Documents’ – ‘Terms and Conditions’

### Competition In Connections Secure Documents (ssen.co.uk)



 Scottish & Southern  
Electricity Networks | Powering our  
community

Sign Out My Profile

### Competition in Connections Code of Practice Network Information for Alternative Providers to Determine the Point of Connection (PoC)

Competition in Connections Code of Practice Network Information for Alternative Providers to Determine the Point of Connection (PoC)

Network Information for Alternative Providers to Determine the Point of Connection (PoC)

Welcome to Scottish and Southern Energy Power Distribution's (SSEPD's) website providing network information and data specifically for use by registered Alternative Providers (Independent Connection Providers (ICPs) and Independent Distribution Network Operators (IDNOs)) to enable design analysis to determine a suitable Point of Connection (PoC) to our electricity distribution network and/or other contestable tasks relating to such a PoC. This website provides access to network diagrams (in both schematic and geographic format), detailed technical design and specification documents and network rating and loading information. Access to this area is restricted to registered Alternative Providers or other relevant persons who may require to undertake the stated tasks who have been approved for access by SSEPD and to whom SSEPD have provided an individual non-transferrable login.

SSEPD has two distribution licence holders:

1. Scottish Hydro Electric Power Distribution (SHEPD); and
2. Southern Electric Power Distribution (SEPD).

Information relating to both of these licence holders is accessible from this website, whereby links are provided for each element of information accompanied with user guides to assist site navigation and system use. This includes access to our geographic network information, which is held on a separate login and password protected area. Should you require any further assistance, please contact us directly at [nc.connections@sse.com](mailto:nc.connections@sse.com)

Use of Information:

By downloading any documentation from this website and in consideration of being provided access to the documentation you are confirming that you are aware that SEPD or SHEPD is the owner of the documentation and that you will not (i) share with or sell the documentation to any third party, (ii) use the information and documentation for any purpose other than determining a suitable Point of Connection, or (iii) in any other way make the information or documentation available to a person not employed by your business without the prior agreement of SEPD or SHEPD. Usernames and passwords are unique to individuals and must not be shared with any other individual or third party. And you agree to SSEPD monitoring use of the account provided and storing data on its use.

Each named account holder hereby indemnifies SSEPD, SEPD and SHEPD against all costs, claims, damages, losses and expenses arising as a result of any failure by you to comply with these requirements. Failure to comply may also result in withdrawal of access privileges.

Legal Disclaimer:

We have developed this website to enable you to determine the Point of Connection on the SSEPD networks. All planning and design assumptions made by Alternative Providers during analysis using the information and data provided are made at the sole responsibility of the Alternative Provider. This website is continually updated with new and revised documents and information. SSEPD have endeavoured to ensure the accuracy of the information and data contained within these documents contained within this website. We do not accept liability for any error within the data or its interpretation by you.

Nothing in this disclaimer limits or excludes our liability for (a) death or personal injury caused by our negligence; (b) fraud or fraudulent misrepresentation; or (c) any other liability that cannot be limited or excluded by applicable law. Subject to the above, we shall not be liable to you or any third party who relies on your use of the information and/or data for the purpose of determining a Point of Connection in delict or tort (including negligence) or otherwise, for any loss howsoever arising under or in connection with your use of the information and/or data provided for: (a) loss of profits; (b) loss of sales or business; (c) loss of agreements or contracts; (d) loss of anticipated savings; (e) loss of or damage to goodwill; or (f) any indirect or consequential loss.

Severence:

If any of these provisions should be determined unlawful, invalid or otherwise unenforceable by reason of law then, to the extent and within the jurisdiction which that provision is found to be unlawful, invalid or unenforceable, then that provision shall be deleted and shall not affect the validity and enforceability of the remaining provisions which shall continue to be binding and in force.

Governing Law and Jurisdiction:

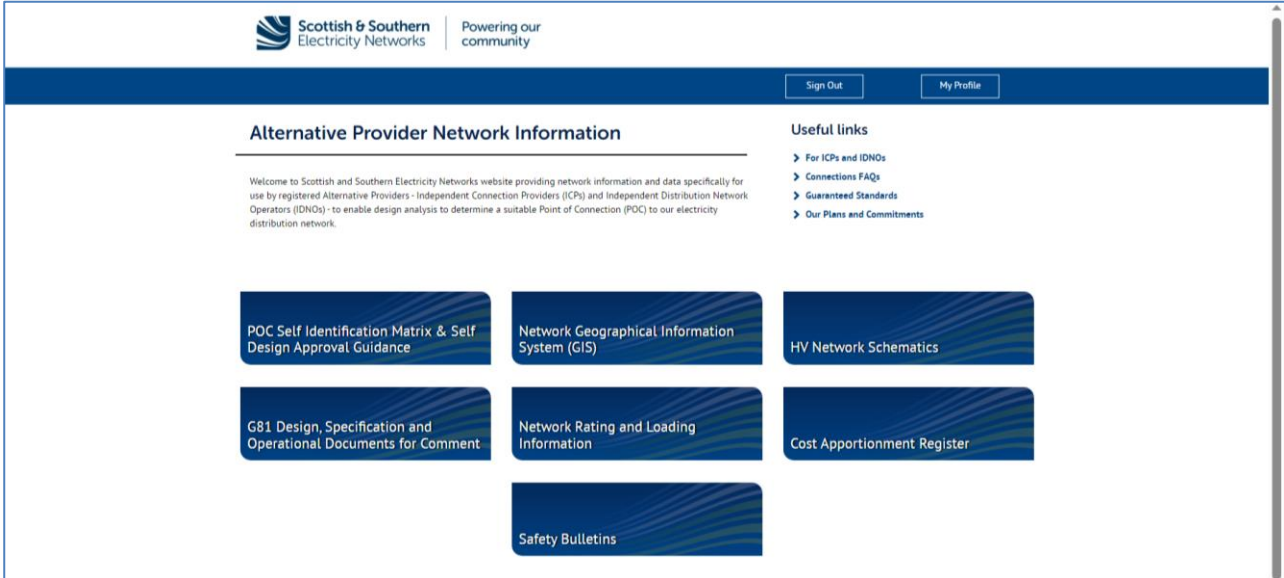
These terms and conditions and any dispute arising herein shall be governed by and construed in accordance with the laws of either England or Wales or Scotland depending on the country from which access is made, and subject to the exclusive jurisdiction of the English or Scottish Courts, whichever is applicable.

I accept the Terms and Conditions [Accept and Continue >](#)

**‘Terms and Conditions’ box must be ticked off, then ‘Accept and Continue’ button must be clicked on, to access our secure online documentation.**

**6. Screenshot No. 6: ‘Secure Documents’ – ‘Alternative Provider Network Information’**

[Competition In Connections Secure Documents \(ssen.co.uk\)](https://ssen.co.uk)



**Alternative Provider Network Information**

Welcome to Scottish and Southern Electricity Networks website providing network information and data specifically for use by registered Alternative Providers - Independent Connection Providers (ICPs) and Independent Distribution Network Operators (IDNOs) - to enable design analysis to determine a suitable Point of Connection (POC) to our electricity distribution network.

**Useful links**

- For ICPs and IDNOs
- Connections FAQs
- Guaranteed Standards
- Our Plans and Commitments

**POC Self Identification Matrix & Self Design Approval Guidance**

**Network Geographical Information System (GIS)**

**HV Network Schematics**

**G81 Design, Specification and Operational Documents for Comment**

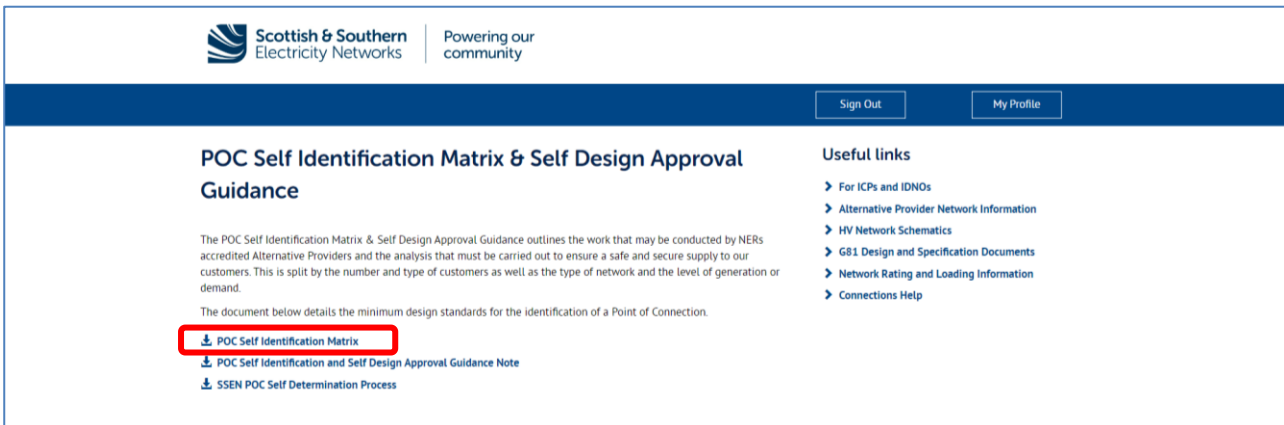
**Network Rating and Loading Information**

**Cost Apportionment Register**

**Safety Bulletins**

**7. Screenshot No. 7: ‘Secure Documents’ – ‘POC Guidance Matrix’**

[POC Design Guidance Matrix \(ssen.co.uk\)](https://ssen.co.uk)



**POC Self Identification Matrix & Self Design Approval Guidance**

The POC Self Identification Matrix & Self Design Approval Guidance outlines the work that may be conducted by NERs accredited Alternative Providers and the analysis that must be carried out to ensure a safe and secure supply to our customers. This is split by the number and type of customers as well as the type of network and the level of generation or demand.

The document below details the minimum design standards for the identification of a Point of Connection.

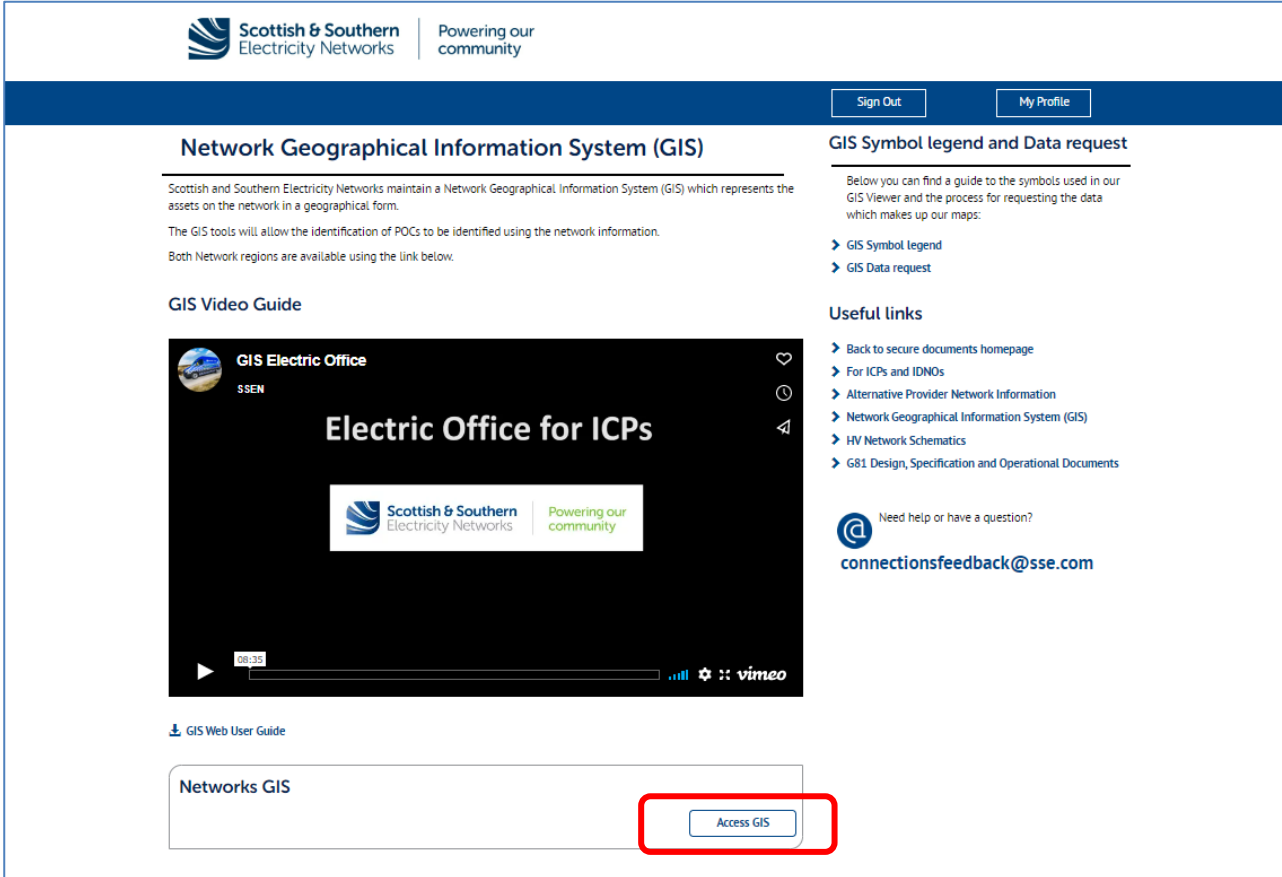
- ↓ **POC Self Identification Matrix**
- ↓ POC Self Identification and Self Design Approval Guidance Note
- ↓ SSEN POC Self Determination Process

**Useful links**

- For ICPs and IDNOs
- Alternative Provider Network Information
- HV Network Schematics
- G81 Design and Specification Documents
- Network Rating and Loading Information
- Connections Help

**8. Screenshot No. 8: ‘Secure Documents’ – ‘Network Geographical Information System (GIS)’**

[Network Geographical Information System \(GIS\) \(ssen.co.uk\)](https://www.ssen.co.uk)



**Network Geographical Information System (GIS)**

Scottish and Southern Electricity Networks maintain a Network Geographical Information System (GIS) which represents the assets on the network in a geographical form.

The GIS tools will allow the identification of POCs to be identified using the network information.

Both Network regions are available using the link below.

**GIS Video Guide**

**Electric Office for ICPs**

**GIS Symbol legend and Data request**

Below you can find a guide to the symbols used in our GIS Viewer and the process for requesting the data which makes up our maps:

- GIS Symbol Legend
- GIS Data request

**Useful links**

- Back to secure documents homepage
- For ICPs and IDNOs
- Alternative Provider Network Information
- Network Geographical Information System (GIS)
- HV Network Schematics
- G81 Design, Specification and Operational Documents

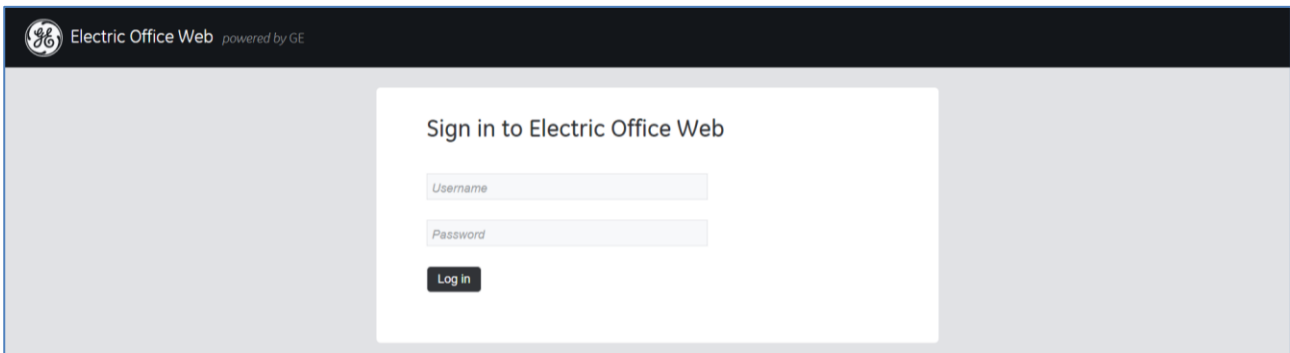
Need help or have a question?  
[connectionsfeedback@sse.com](mailto:connectionsfeedback@sse.com)

Networks GIS

Access GIS

**9. Screenshot No. 9: ‘Secure Documents’ – ‘Electric Office Web Login’**

[EO Web Login \(ssen.co.uk\)](https://www.ssen.co.uk)



**Electric Office Web** powered by GE

**Sign in to Electric Office Web**

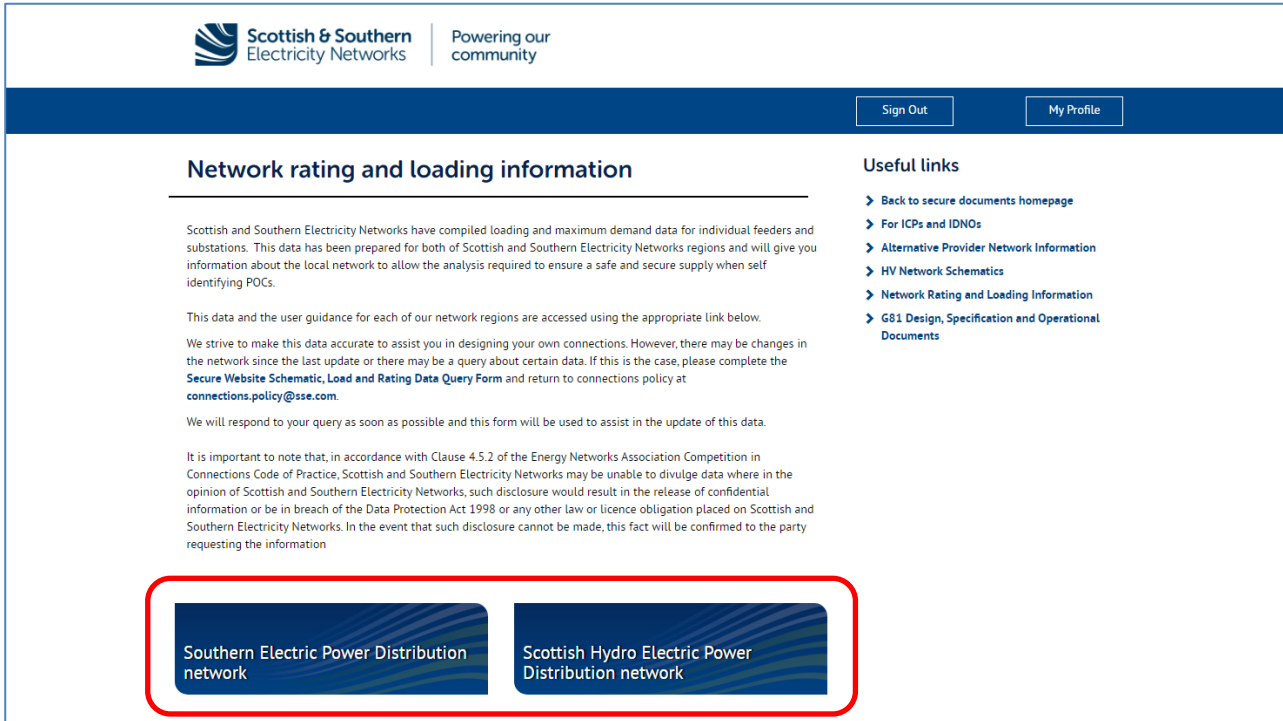
Username

Password

Log in

**10. Screenshot No. 10: ‘Secure Documents’ – ‘Network Rating and Loading Information’**

[Network rating and loading \(ssen.co.uk\)](https://www.ssen.co.uk)



**Network rating and loading information**

Scottish and Southern Electricity Networks have compiled loading and maximum demand data for individual feeders and substations. This data has been prepared for both of Scottish and Southern Electricity Networks regions and will give you information about the local network to allow the analysis required to ensure a safe and secure supply when self identifying POCs.

This data and the user guidance for each of our network regions are accessed using the appropriate link below.

We strive to make this data accurate to assist you in designing your own connections. However, there may be changes in the network since the last update or there may be a query about certain data. If this is the case, please complete the [Secure Website Schematic, Load and Rating Data Query Form](#) and return to connections policy at [connections.policy@sse.com](mailto:connections.policy@sse.com).

We will respond to your query as soon as possible and this form will be used to assist in the update of this data.

It is important to note that, in accordance with Clause 4.5.2 of the Energy Networks Association Competition in Connections Code of Practice, Scottish and Southern Electricity Networks may be unable to divulge data where in the opinion of Scottish and Southern Electricity Networks, such disclosure would result in the release of confidential information or be in breach of the Data Protection Act 1998 or any other law or licence obligation placed on Scottish and Southern Electricity Networks. In the event that such disclosure cannot be made, this fact will be confirmed to the party requesting the information

**Useful links**

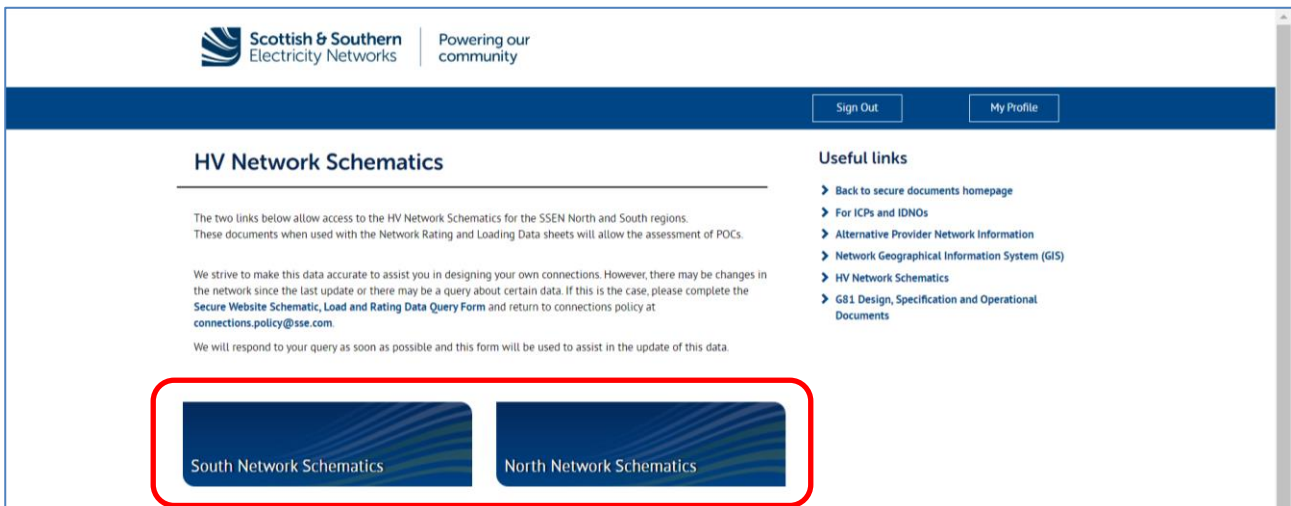
- [Back to secure documents homepage](#)
- [For ICPs and IDNOs](#)
- [Alternative Provider Network Information](#)
- [HV Network Schematics](#)
- [Network Rating and Loading Information](#)
- [G81 Design, Specification and Operational Documents](#)

**Southern Electric Power Distribution network**

**Scottish Hydro Electric Power Distribution network**

**11. Screenshot No. 11: ‘Secure Documents’ – ‘HV Network Schematics’**

[HV Network Schematics \(ssen.co.uk\)](https://www.ssen.co.uk)



**HV Network Schematics**

The two links below allow access to the HV Network Schematics for the SSEN North and South regions. These documents when used with the Network Rating and Loading Data sheets will allow the assessment of POCs.

We strive to make this data accurate to assist you in designing your own connections. However, there may be changes in the network since the last update or there may be a query about certain data. If this is the case, please complete the [Secure Website Schematic, Load and Rating Data Query Form](#) and return to connections policy at [connections.policy@sse.com](mailto:connections.policy@sse.com).

We will respond to your query as soon as possible and this form will be used to assist in the update of this data.

**Useful links**

- [Back to secure documents homepage](#)
- [For ICPs and IDNOs](#)
- [Alternative Provider Network Information](#)
- [Network Geographical Information System \(GIS\)](#)
- [HV Network Schematics](#)
- [G81 Design, Specification and Operational Documents](#)

**South Network Schematics**

**North Network Schematics**