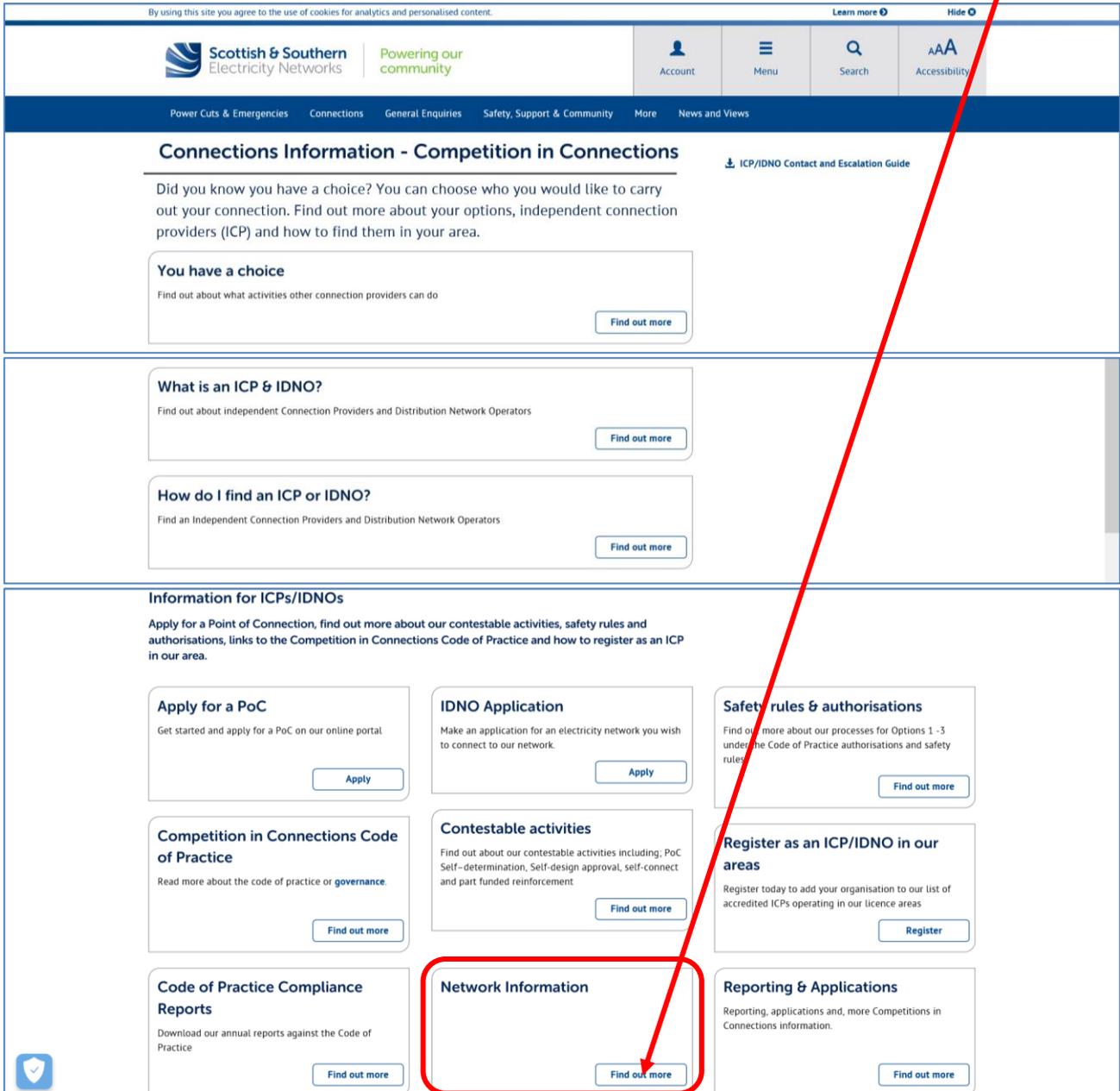


Contents

1. Screenshot No. 1: 'Competition in Connections' webpage to access 'Network Information'	2
2. Screenshot No. 2: 'Network Information' webpage to access 'G81 Library' in secure Web-Portal.....	3
3. Screenshot No. 3: 'G81 Library' – 'Sign In to Your Account'	3
4. Screenshot No. 4: 'Secure Documents' – 'Terms and Conditions'	4
5. Screenshot No. 5: 'Secure Documents' – 'Alternative Provider Network Information'	5
6. Screenshot No. 6: 'Secure Documents' – 'POC Guidance Matrix'	5
7. Screenshot No. 7: 'Secure Documents' – 'Design and Specification Documents'	6
8. Screenshot No. 8: 'Secure Documents' – 'Operational Documents'	6
9. Screenshot No. 9: 'Secure Documents' – 'Network Geographical Information System (GIS)'	7
10. Screenshot No. 10: 'Secure Documents' – 'Electric Office Web Login'	7
11. Screenshot No. 11: 'Secure Documents' – 'HV Network Schematics'	8
12. Screenshot No. 12: 'Secure Documents' – 'South Network Schematics'	8
13. Screenshot No. 13: 'Secure Documents' – 'North Network Schematics'	8
14. Screenshot No. 14: 'Secure Documents' – 'Network Rating and Loading Information'	9
15. Screenshot No. 15: 'Secure Documents' – 'Network Rating and Loading Information – South'.....	10
16. Screenshot No. 16: 'Secure Documents' – 'Network Rating and Loading Information – North'	10

1. Screenshot No. 1: 'Competition in Connections' webpage to access 'Network Information'

[Connections Information - Competition in Connections \(ssen.co.uk\)](https://www.ssen.co.uk)



By using this site you agree to the use of cookies for analytics and personalised content. [Learn more](#) [Hide](#)

 **Scottish & Southern** Electricity Networks | **Powering our community**

[Account](#) [Menu](#) [Search](#) [AAA Accessibility](#)

[Power Cuts & Emergencies](#) [Connections](#) [General Enquiries](#) [Safety, Support & Community](#) [More](#) [News and Views](#)

Connections Information - Competition in Connections

[ICP/IDNO Contact and Escalation Guide](#)

Did you know you have a choice? You can choose who you would like to carry out your connection. Find out more about your options, independent connection providers (ICP) and how to find them in your area.

You have a choice
Find out about what activities other connection providers can do [Find out more](#)

What is an ICP & IDNO?
Find out about independent Connection Providers and Distribution Network Operators [Find out more](#)

How do I find an ICP or IDNO?
Find an Independent Connection Providers and Distribution Network Operators [Find out more](#)

Information for ICPs/IDNOs

Apply for a Point of Connection, find out more about our contestable activities, safety rules and authorisations, links to the Competition in Connections Code of Practice and how to register as an ICP in our area.

Apply for a PoC
Get started and apply for a PoC on our online portal [Apply](#)

IDNO Application
Make an application for an electricity network you wish to connect to our network. [Apply](#)

Safety rules & authorisations
Find out more about our processes for Options 1 -3 under the Code of Practice authorisations and safety rules. [Find out more](#)

Competition in Connections Code of Practice
Read more about the code of practice or **governance**. [Find out more](#)

Contestable activities
Find out about our contestable activities including: PoC Self-determination, Self-design approval, self-connect and part funded reinforcement [Find out more](#)

Register as an ICP/IDNO in our areas
Register today to add your organisation to our list of accredited ICPs operating in our licence areas [Register](#)

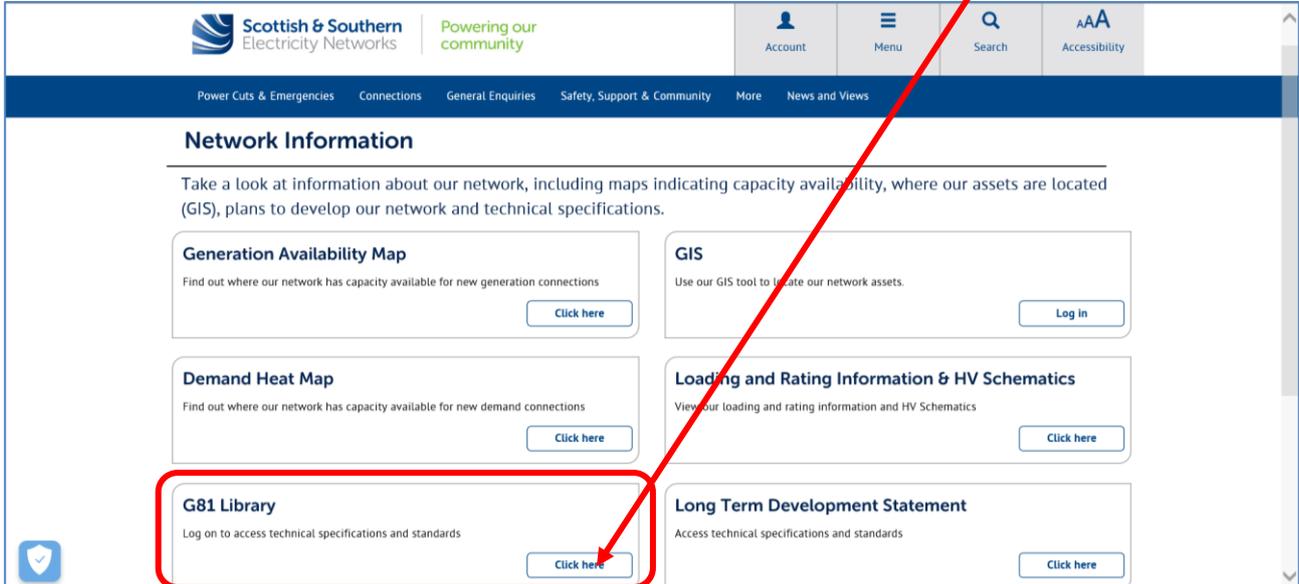
Code of Practice Compliance Reports
Download our annual reports against the Code of Practice [Find out more](#)

Network Information [Find out more](#)

Reporting & Applications
Reporting, applications and, more Competitions in Connections information. [Find out more](#)

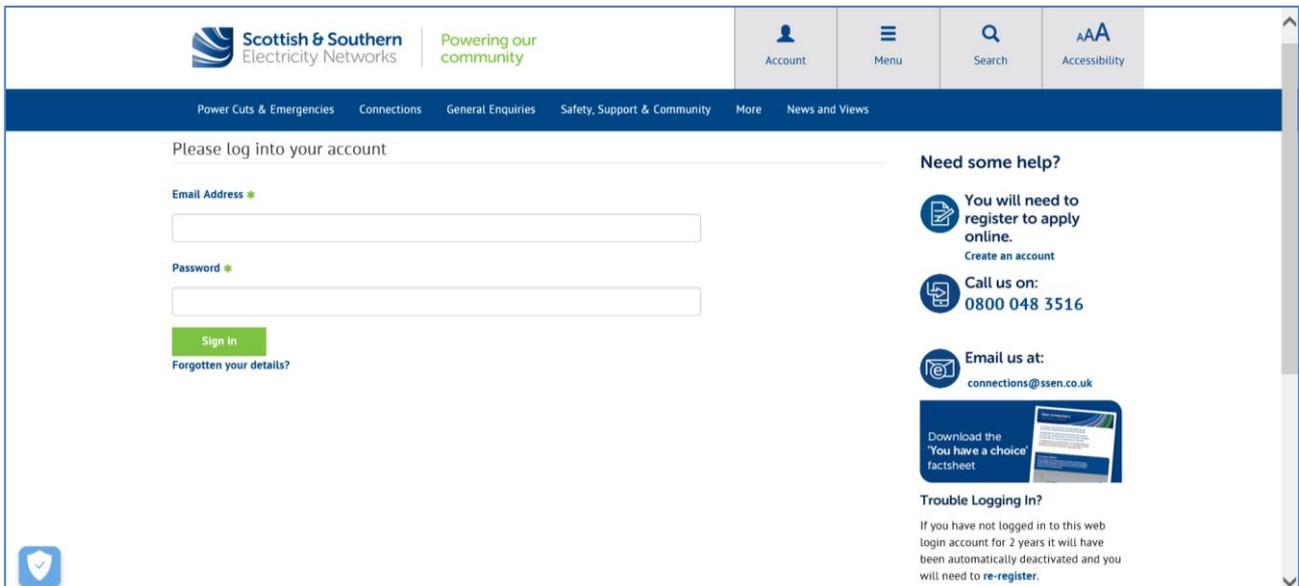
2. Screenshot No. 2: 'Network Information' webpage to access 'G81 Library' in secure Web-Portal

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



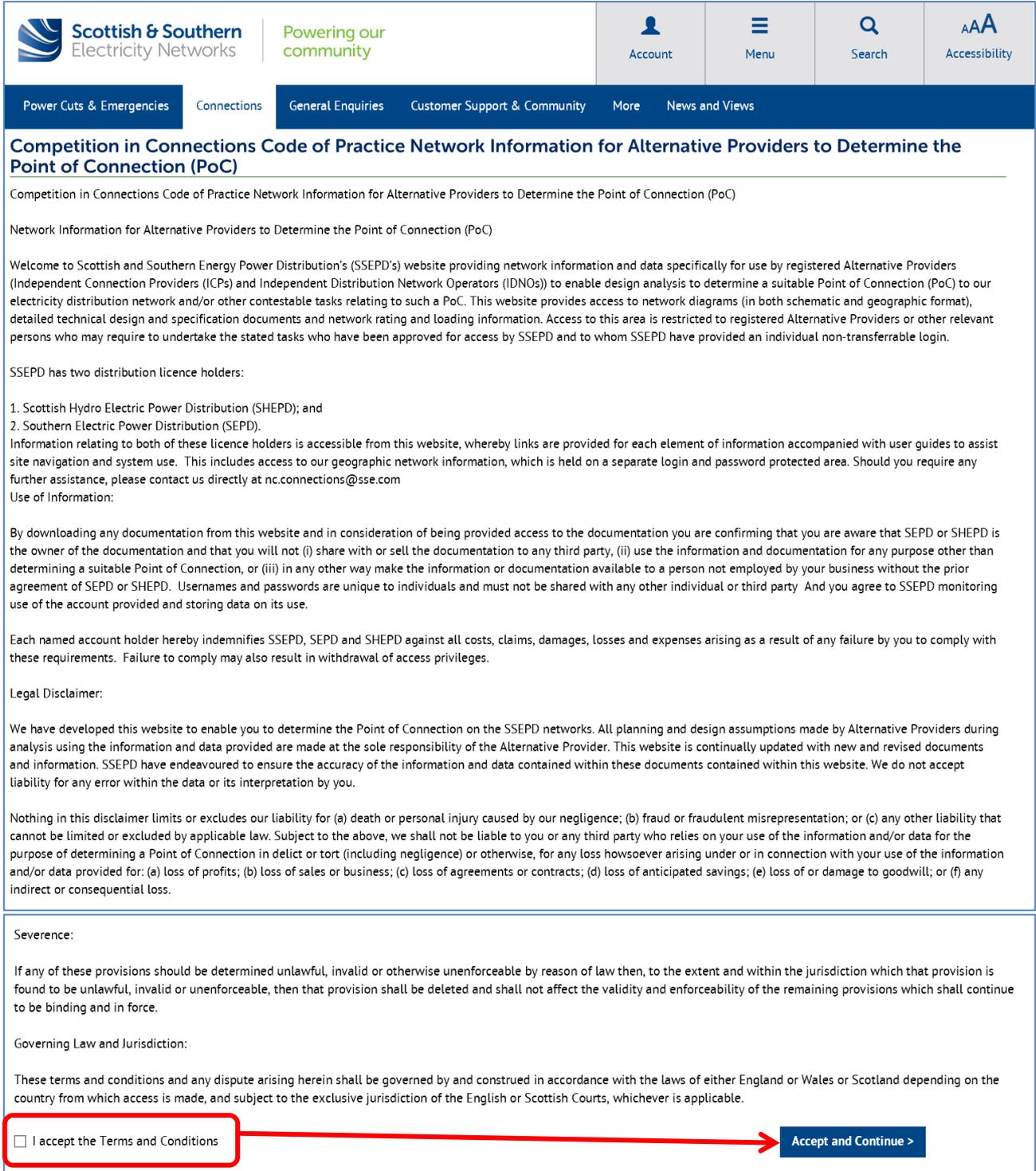
3. Screenshot No. 3: 'G81 Library' – 'Sign In to Your Account'

[Sign In to Your Account \(ssen.co.uk\)](https://www.ssen.co.uk)



4. Screenshot No. 4: 'Secure Documents' – 'Terms and Conditions'

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



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

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.

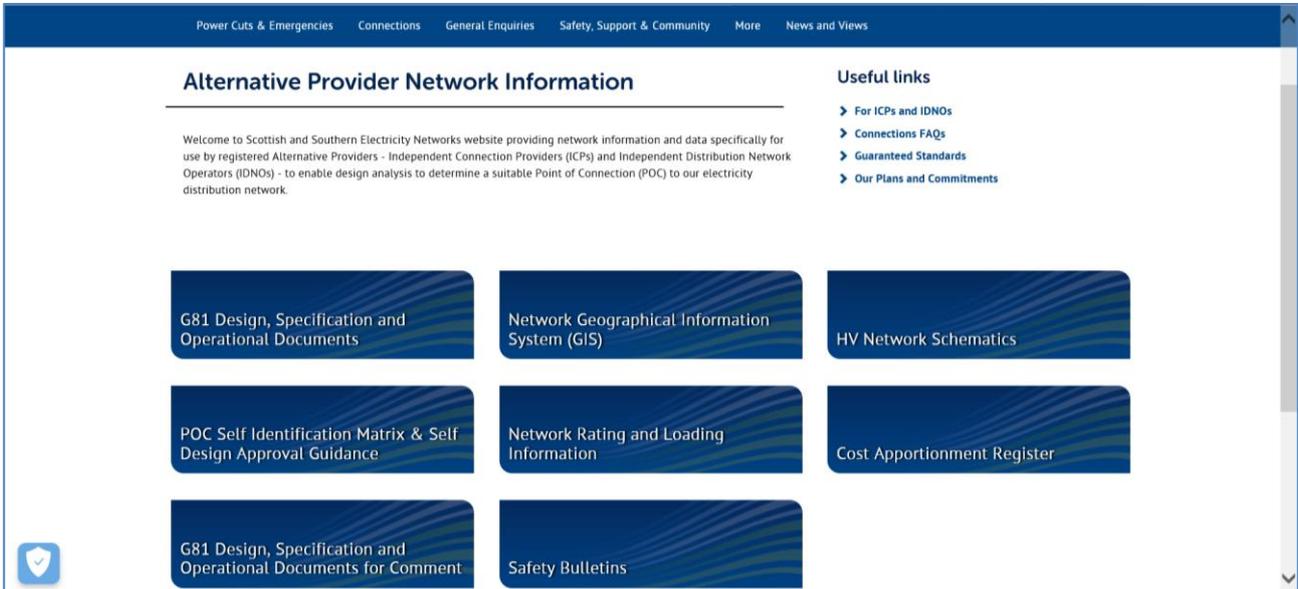
I accept the Terms and Conditions

[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.

5. Screenshot No. 5: ‘Secure Documents’ – ‘Alternative Provider Network Information’

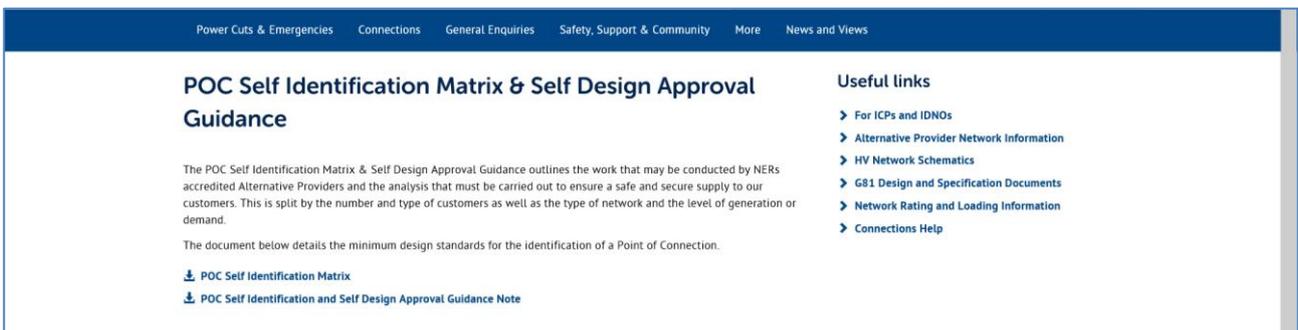
[Competition In Connections Secure Documents \(ssen.co.uk\)](https://www.ssen.co.uk)



The screenshot shows the 'Alternative Provider Network Information' page on the SSEN website. The page has a dark blue header with navigation links: Power Cuts & Emergencies, Connections, General Enquiries, Safety, Support & Community, More, and News and Views. The main content area is white with a blue border. At the top left, there is a heading 'Alternative Provider Network Information' followed by a welcome message. To the right, there is a 'Useful links' section with four links: For ICPs and IDNOs, Connections FAQs, Guaranteed Standards, and Our Plans and Commitments. Below this, there are seven blue buttons with white text, arranged in three rows. The buttons are: G81 Design, Specification and Operational Documents; Network Geographical Information System (GIS); HV Network Schematics; POC Self Identification Matrix & Self Design Approval Guidance; Network Rating and Loading Information; Cost Apportionment Register; G81 Design, Specification and Operational Documents for Comment; and Safety Bulletins. A small shield icon is visible in the bottom left corner of the page content.

6. Screenshot No. 6: ‘Secure Documents’ – ‘POC Guidance Matrix’

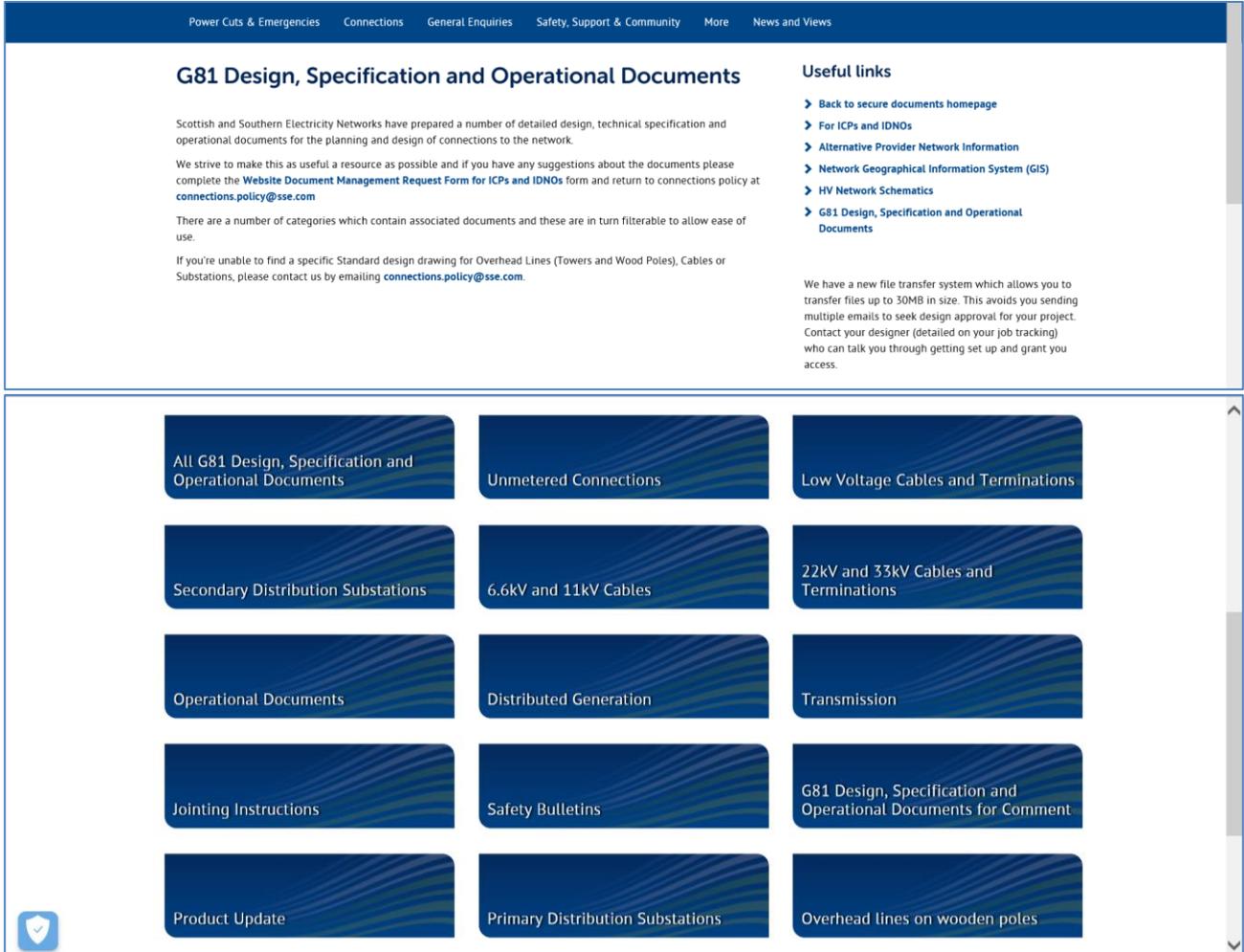
[POC Design Guidance Matrix \(ssen.co.uk\)](https://www.ssen.co.uk)



The screenshot shows the 'POC Self Identification Matrix & Self Design Approval Guidance' page on the SSEN website. The page has a dark blue header with navigation links: Power Cuts & Emergencies, Connections, General Enquiries, Safety, Support & Community, More, and News and Views. The main content area is white with a blue border. At the top left, there is a heading 'POC Self Identification Matrix & Self Design Approval Guidance' followed by a paragraph of text. To the right, there is a 'Useful links' section with five links: For ICPs and IDNOs, Alternative Provider Network Information, HV Network Schematics, G81 Design and Specification Documents, Network Rating and Loading Information, and Connections Help. Below the text, there are two download links: POC Self Identification Matrix and POC Self Identification and Self Design Approval Guidance Note.

7. Screenshot No. 7: 'Secure Documents' – 'Design and Specification Documents'

[Design and specification documents \(ssen.co.uk\)](https://www.ssen.co.uk)



Power Cuts & Emergencies Connections General Enquiries Safety, Support & Community More News and Views

G81 Design, Specification and Operational Documents

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

We strive to make this as useful a resource as possible and if you have any suggestions about the documents please complete the [Website Document Management Request Form for ICPs and IDNOs](#) form and return to connections.policy@sse.com

There are a number of categories which contain associated documents and these are in turn filterable to allow ease of use.

If you're unable to find a specific Standard design drawing for Overhead Lines (Towers and Wood Poles), Cables or Substations, please contact us by emailing connections.policy@sse.com.

Useful links

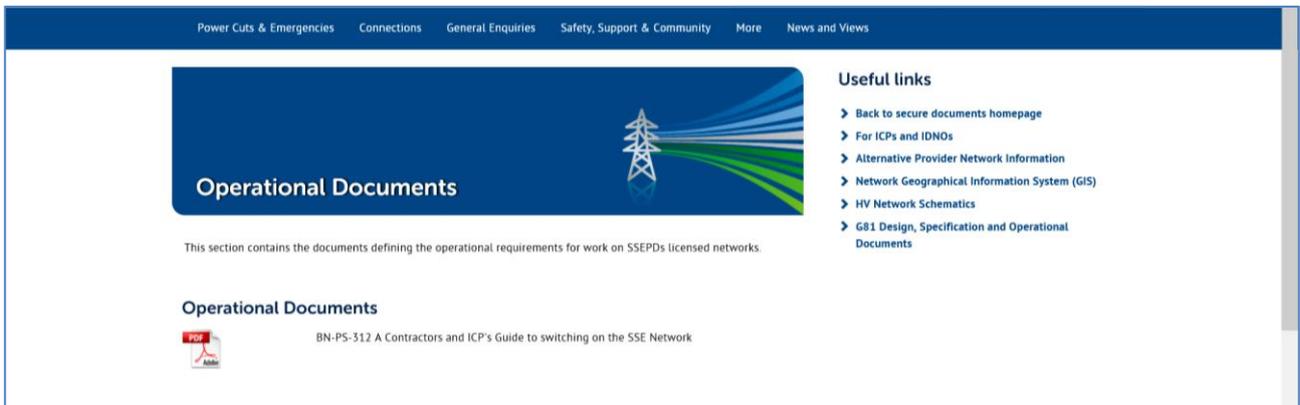
- ▶ [Back to secure documents homepage](#)
- ▶ [For ICPs and IDNOs](#)
- ▶ [Alternative Provider Network Information](#)
- ▶ [Network Geographical Information System \(GIS\)](#)
- ▶ [HV Network Schematics](#)
- ▶ [G81 Design, Specification and Operational Documents](#)

We have a new file transfer system which allows you to transfer files up to 30MB in size. This avoids you sending multiple emails to seek design approval for your project. Contact your designer (detailed on your job tracking) who can talk you through getting set up and grant you access.

All G81 Design, Specification and Operational Documents	Unmetered Connections	Low Voltage Cables and Terminations
Secondary Distribution Substations	6.6kV and 11kV Cables	22kV and 33kV Cables and Terminations
Operational Documents	Distributed Generation	Transmission
Joining Instructions	Safety Bulletins	G81 Design, Specification and Operational Documents for Comment
Product Update	Primary Distribution Substations	Overhead lines on wooden poles

8. Screenshot No. 8: 'Secure Documents' – 'Operational Documents'

[Operational Documents \(ssen.co.uk\)](https://www.ssen.co.uk)



Power Cuts & Emergencies Connections General Enquiries Safety, Support & Community More News and Views

Operational Documents

This section contains the documents defining the operational requirements for work on SSEPDs licensed networks.

Operational Documents

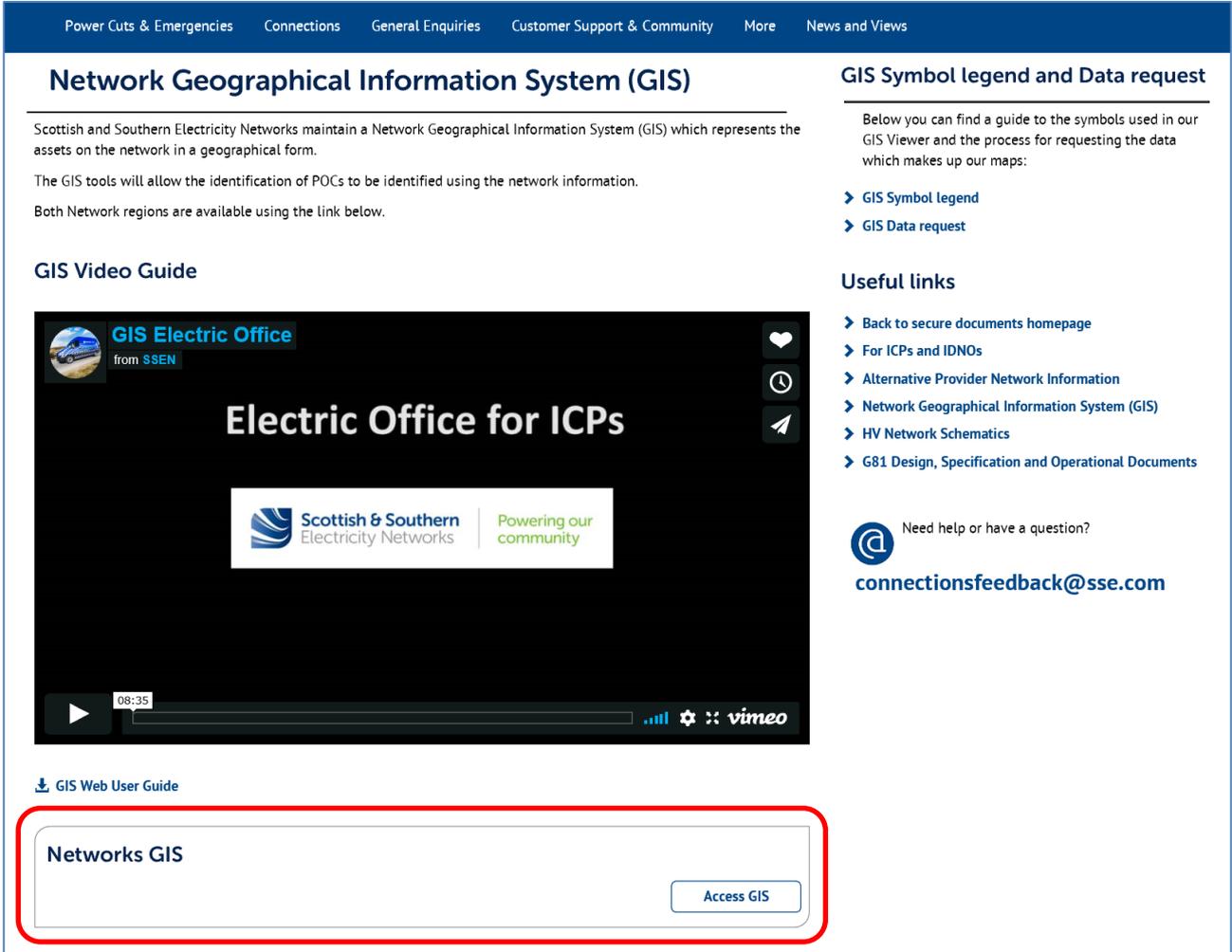
-  [BN-PS-312 A Contractors and ICP's Guide to switching on the SSE Network](#)

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](#)

9. Screenshot No. 9: 'Secure Documents' – 'Network Geographical Information System (GIS)'

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



Power Cuts & Emergencies Connections General Enquiries Customer Support & Community More News and Views

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



[GIS Web User Guide](#)

Networks GIS

[Access GIS](#)

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](#)

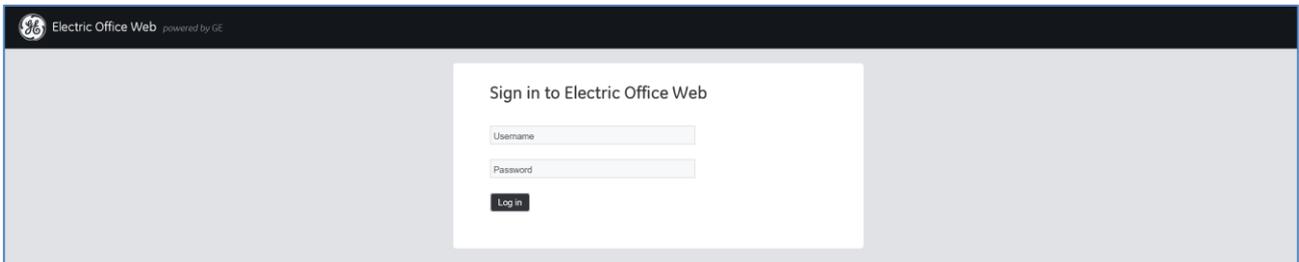
Useful links

- > [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

10. Screenshot No. 10: '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

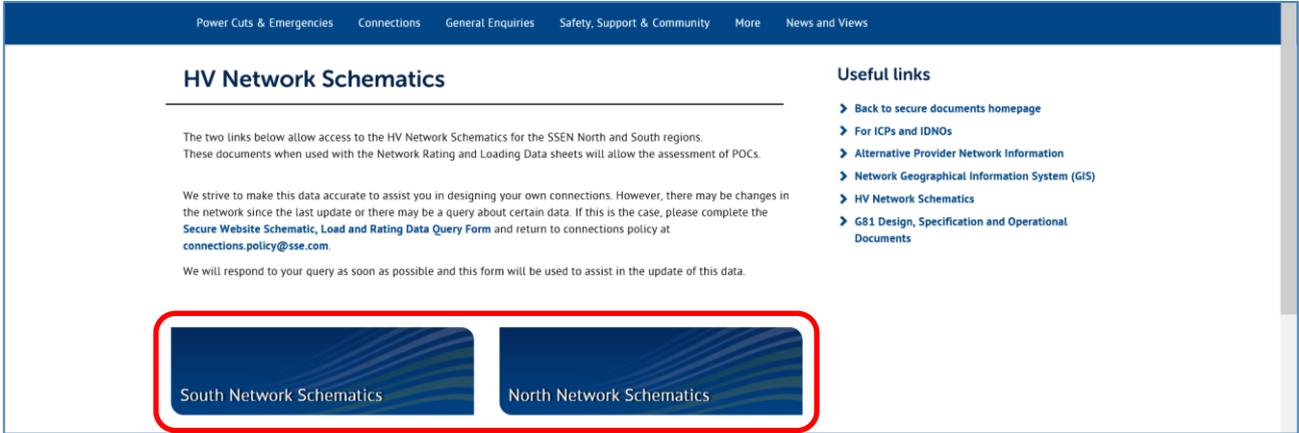
Username

Password

[Log in](#)

11. Screenshot No. 11: 'Secure Documents' – 'HV Network Schematics'

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



Power Cuts & Emergencies Connections General Enquiries Safety, Support & Community More News and Views

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.

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

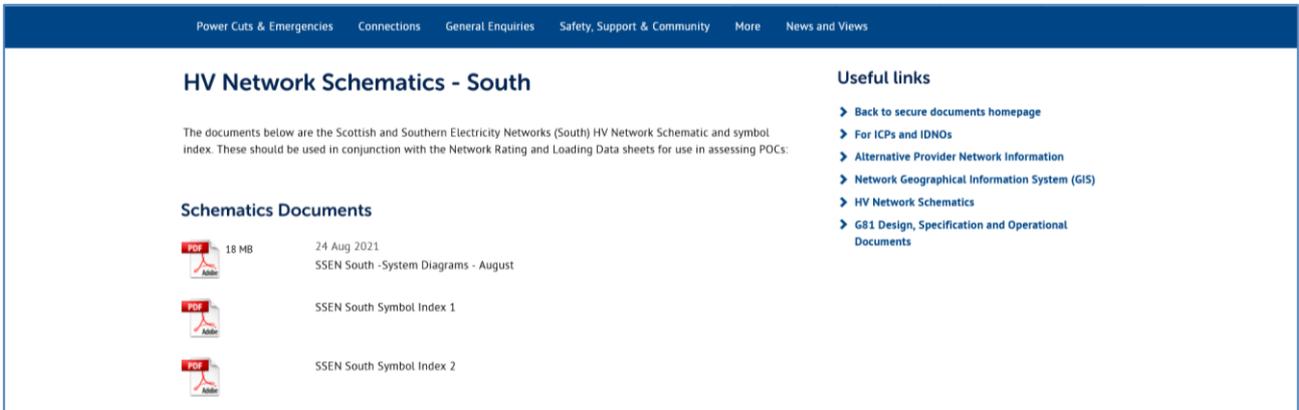
[South Network Schematics](#) [North Network Schematics](#)

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](#)

12. Screenshot No. 12: 'Secure Documents' – 'South Network Schematics'

[SEPD HV Schematic \(ssen.co.uk\)](https://www.ssen.co.uk)



Power Cuts & Emergencies Connections General Enquiries Safety, Support & Community More News and Views

HV Network Schematics - South

The documents below are the Scottish and Southern Electricity Networks (South) HV Network Schematic and symbol index. These should be used in conjunction with the Network Rating and Loading Data sheets for use in assessing POCs:

Schematics Documents

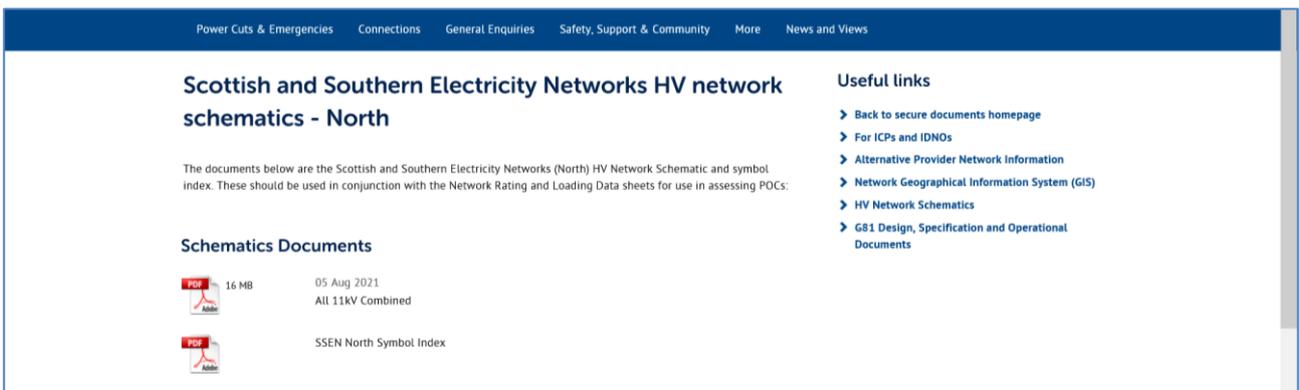
	18 MB	24 Aug 2021	SSEN South - System Diagrams - August
			SSEN South Symbol Index 1
			SSEN South Symbol Index 2

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](#)

13. Screenshot No. 13: 'Secure Documents' – 'North Network Schematics'

[Scottish Hydro Electric Power Distribution Network Schematics \(ssen.co.uk\)](https://www.ssen.co.uk)



Power Cuts & Emergencies Connections General Enquiries Safety, Support & Community More News and Views

Scottish and Southern Electricity Networks HV network schematics - North

The documents below are the Scottish and Southern Electricity Networks (North) HV Network Schematic and symbol index. These should be used in conjunction with the Network Rating and Loading Data sheets for use in assessing POCs:

Schematics Documents

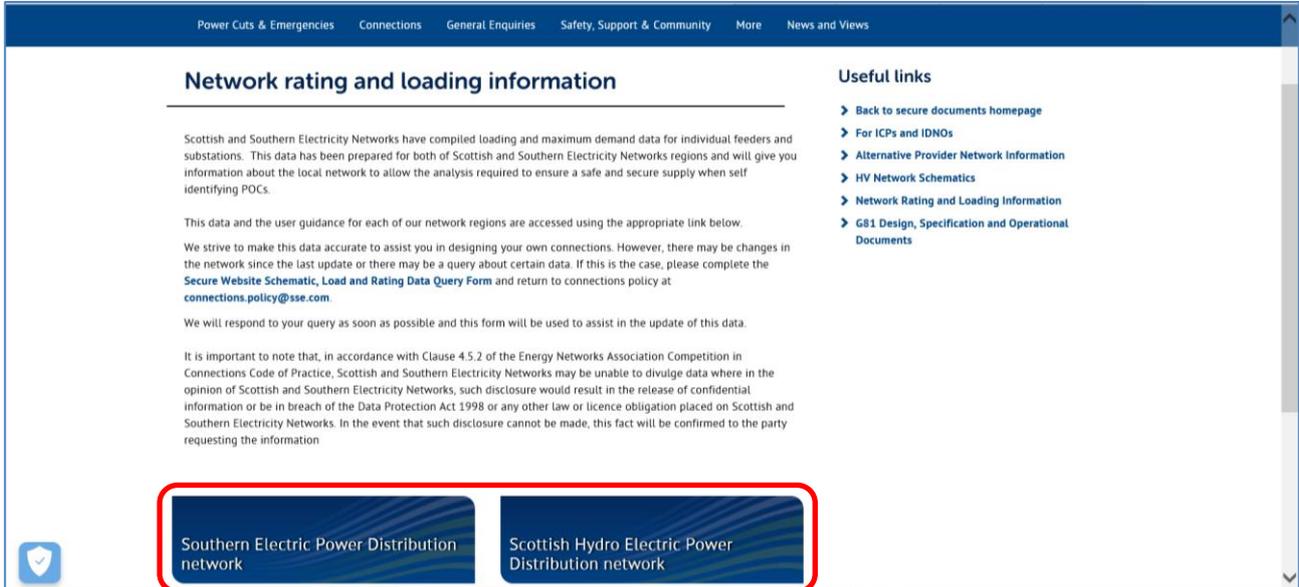
	16 MB	05 Aug 2021	All 11kV Combined
			SSEN North Symbol Index

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](#)

14. Screenshot No. 14: 'Secure Documents' – 'Network Rating and Loading Information'

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



The screenshot shows a web page with a blue header containing navigation links: Power Cuts & Emergencies, Connections, General Enquiries, Safety, Support & Community, More, and News and Views. The main content area is titled "Network rating and loading information" and contains several paragraphs of text. A "Useful links" sidebar on the right lists: Back to secure documents homepage, For ICPs and IDNOs, Alternative Provider Network Information, HV Network Schematics, Network Rating and Loading Information, and G81 Design, Specification and Operational Documents. At the bottom, two buttons are highlighted with a red box: "Southern Electric Power Distribution network" and "Scottish Hydro Electric Power Distribution network".

Power Cuts & Emergencies Connections General Enquiries Safety, Support & Community More News and Views

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.

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.

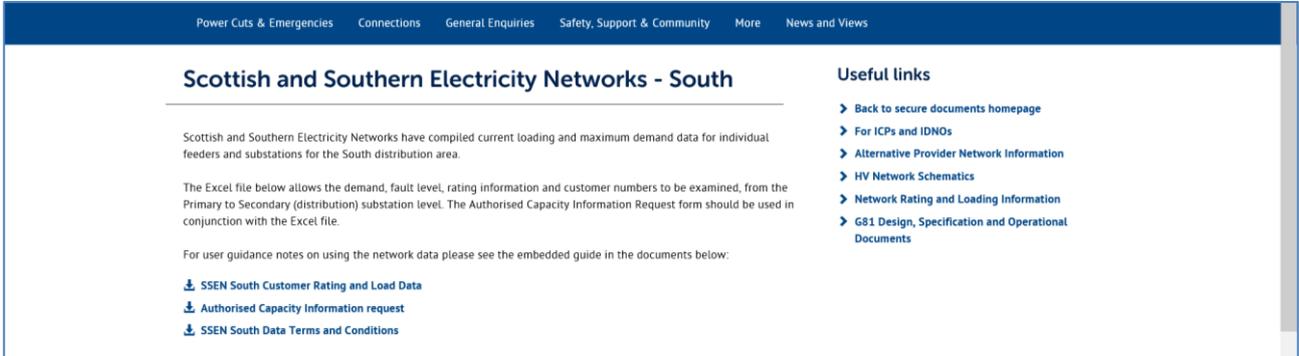
Useful links

- [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](#)

15. Screenshot No. 15: 'Secure Documents' – 'Network Rating and Loading Information – South'

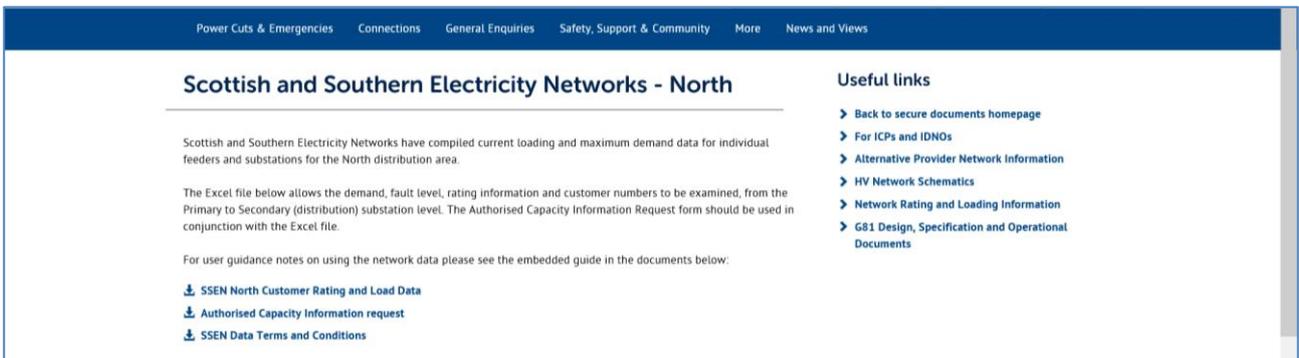
[SEPD Network rating and loading \(ssen.co.uk\)](#)



The screenshot shows the 'Scottish and Southern Electricity Networks - South' page. At the top, there is a navigation bar with links: Power Cuts & Emergencies, Connections, General Enquiries, Safety, Support & Community, More, and News and Views. The main heading is 'Scottish and Southern Electricity Networks - South'. Below this, there is a paragraph stating that SSEN has compiled current loading and maximum demand data for individual feeders and substations for the South distribution area. Another paragraph explains that an Excel file allows for examining demand, fault level, rating information, and customer numbers from the Primary to Secondary (distribution) substation level, and that an Authorised Capacity Information Request form should be used in conjunction with the Excel file. A note mentions that user guidance notes on using the network data are embedded in the documents below. Three download links are provided: 'SSEN South Customer Rating and Load Data', 'Authorised Capacity Information request', and 'SSEN South Data Terms and Conditions'. On the right side, there is a 'Useful links' section with five links: 'Back to secure documents homepage', 'For ICPs and IDNOs', 'Alternative Provider Network Information', 'HV Network Schematics', and 'Network Rating and Loading Information'. A final link, 'G81 Design, Specification and Operational Documents', is partially visible.

16. Screenshot No. 16: 'Secure Documents' – 'Network Rating and Loading Information – North'

[Competition in Connections - Network Rating and Loading Information \(SHEPD\) \(ssen.co.uk\)](#)



The screenshot shows the 'Scottish and Southern Electricity Networks - North' page. It has the same navigation bar as the South page. The main heading is 'Scottish and Southern Electricity Networks - North'. The text below the heading is similar to the South page, stating that SSEN has compiled current loading and maximum demand data for individual feeders and substations for the North distribution area. It also mentions the Excel file and the Authorised Capacity Information Request form. The download links are: 'SSEN North Customer Rating and Load Data', 'Authorised Capacity Information request', and 'SSEN Data Terms and Conditions'. The 'Useful links' section on the right is identical to the South page, listing: 'Back to secure documents homepage', 'For ICPs and IDNOs', 'Alternative Provider Network Information', 'HV Network Schematics', and 'Network Rating and Loading Information', with 'G81 Design, Specification and Operational Documents' partially visible.