

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)

30th September 2026

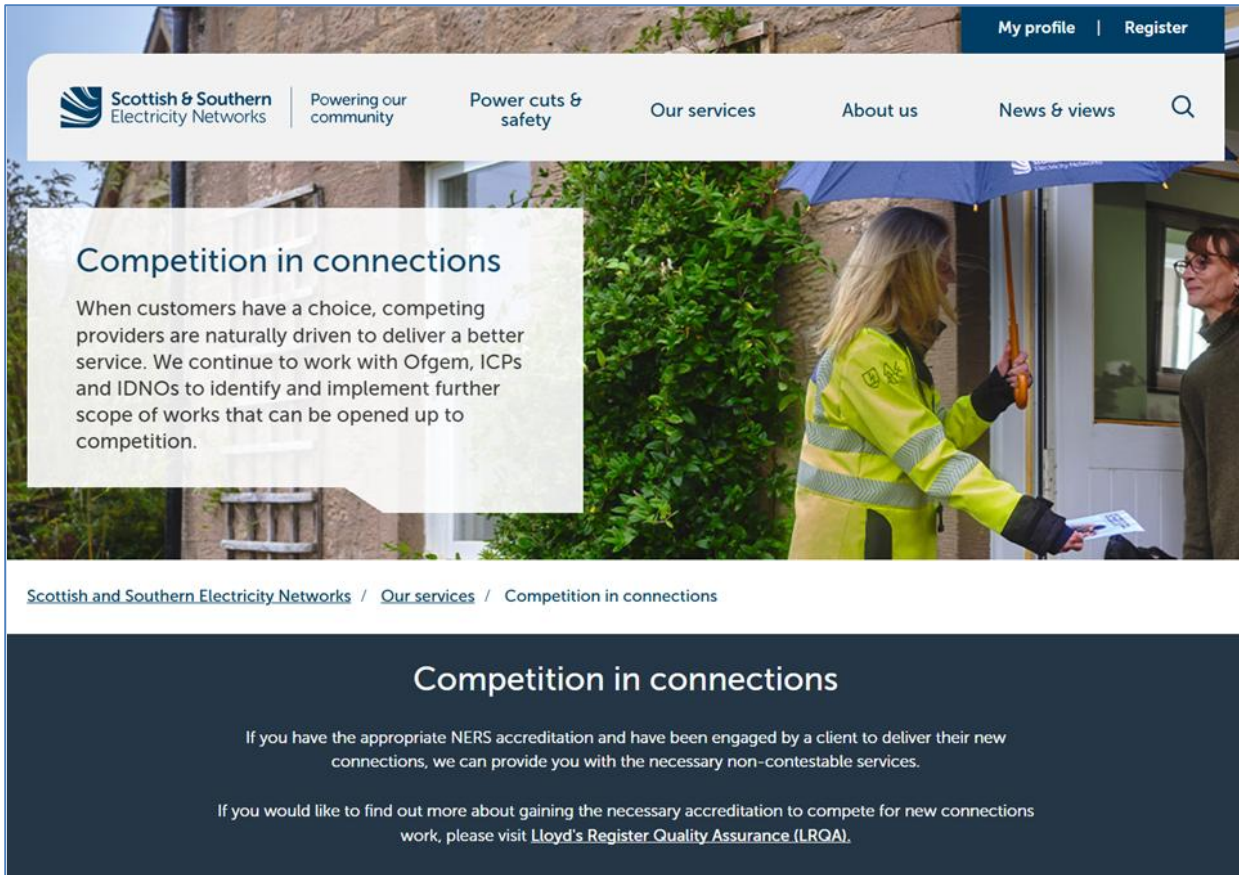


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1. Screenshot No. 1: 'Competition in connections'

Competition in connections



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.

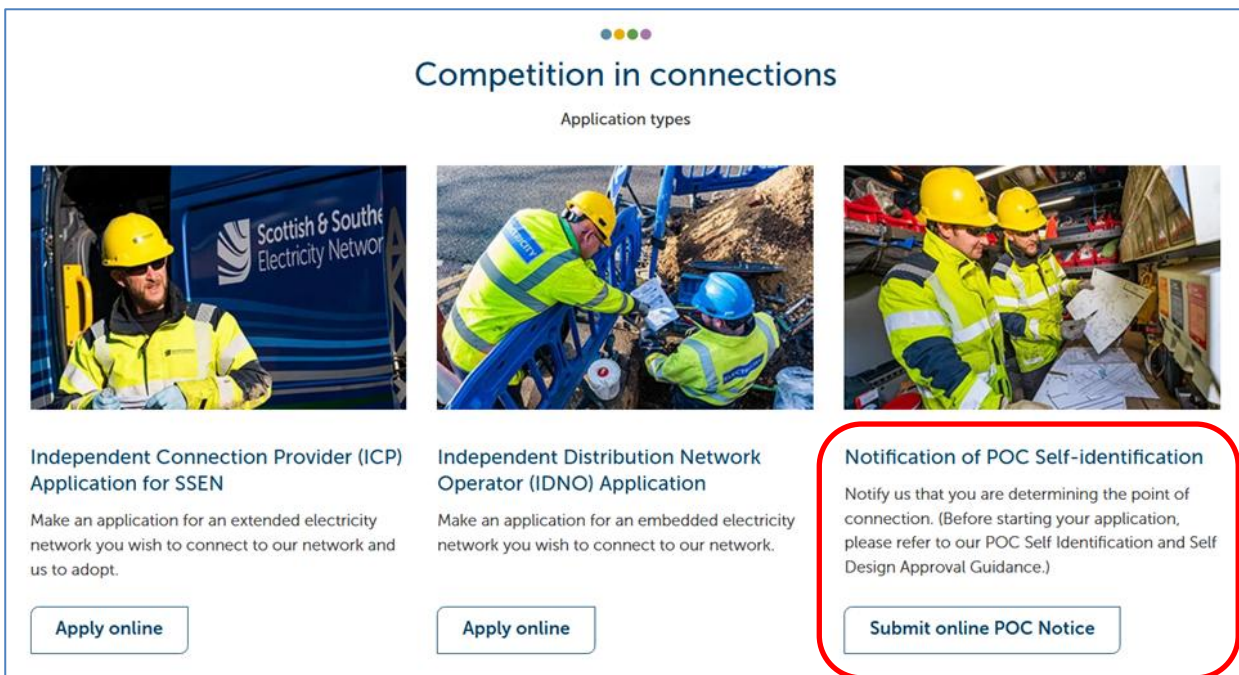
[Scottish and Southern Electricity Networks](#) / [Our services](#) / [Competition in connections](#)

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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Competition in connections

Application types



Independent Connection Provider (ICP) Application for SSEN

Make an application for an extended electricity network you wish to connect to our network and us to adopt.

[Apply online](#)



Independent Distribution Network Operator (IDNO) Application

Make an application for an embedded electricity network you wish to connect to our network.

[Apply online](#)



Notification of POC Self-identification

Notify us that you are determining the point of connection. (Before starting your application, please refer to our POC Self Identification and Self Design Approval Guidance.)

[Submit online POC Notice](#)

...





Safety rules and authorisations

Read about the three processes Independent Connection Providers (ICPs) can operate under: using their own safety rules, adopting SSEN's Operational Safety Rules, or taking control of a network segment under our management. Each process ensures safe and efficient network access.

[Read more](#)

Self-approval of contestable designs and associated agreement templates

For the market segments where ICPs are allowed to self-approve their own contestable designs for extended networks to be adopted by us or for embedded networks to be adopted by IDNOs, our Adoption Agreement template for metered connections can be pre-populated by ICPs, and our Bilateral Connection Agreement (BCA) template(s) can be pre-populated by IDNOs, and such agreement(s) shall be submitted to us for review prior to being signed by relevant parties.

[Download](#)

Self-connect onto SSEN's distribution system and associated agreement templates

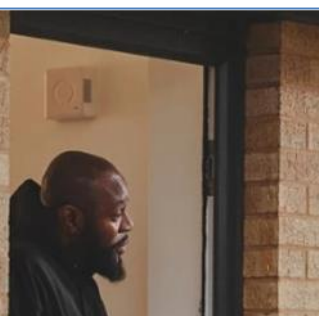
Where ICPs are suitably accredited under the National Electricity Registration Scheme (NERS) for operational activities to self-connect onto our distribution system, our Network Access Agreement template(s) can be pre-populated by ICPs, and such agreement(s) shall be issued to us for review prior to being signed by relevant parties.

[Download](#)

[Safety rules and authorisations](#)

Safety rules and authorisations

ICPs can choose to work under 3 different processes



[Scottish and Southern Electricity Networks](#) / [Our services](#) / [Competition in connections](#) / [Safety rules and authorisations](#)

ICP Authorisations of employees and Contractors (Option 1)

ICPs operate under their own safety management system (SMS) and safety rules. ICPs responsible for determining relevant competence and appropriate authorisations. ICPs must share SMS with SSEN before accessing the network.

[Email us](#)





SSEN Authorisations of ICPs and Contractors (Option 2)

ICPs operate under SSENs OSRs in their entirety. ICPs assume all responsibilities of SSEN staff. Operational authorisations issued by other UK DNOs will be accepted as evidence of experience and considered in the authorisation process. Find out more about our authorisation process.

[View our G81 documents](#)



Transfer of control (Option 3)

ICPs must meet all processes under Option1. ICPs must evidence that employees & contractors are suitably authorised and experienced for operating under local control. SSEN will transfer control for a specified part of the network for purposes of ICP activity. ICP shall have full control of specified network and carry out work in accordance with own SMS.

[Email us](#)



Useful links



[Register for safety bulletins](#)



[View ENA Model distribution safety rules](#)



[Competitions in connections](#)

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Consent to LV Self-Connect – Form Submission Process

We have introduced a new electronic form for Independent Connection Providers (ICPs) carrying out LV Self-Connect projects within the SEPD (Southern Electric Power Distribution PLC) licence area.

Consent to LV Self-Connect – Fill out form

Purpose

This form enables SEPD to capture details of works being carried out on our network and by whom, ensuring safety and compliance for all parties.

When to Submit

- The form should be completed after Design Approval has been confirmed and the ICP is ready to progress.
- You will receive an email outlining the next steps for your project, which will include a link to the electronic form.

Conditions Precedent

Before completing the form, please ensure:

- All agreements have been signed and returned.
- Legal consents have been cleared.
- A Programme of Works (PoW) has been issued to SSEN.

Notice Period

Submit the form as early as possible, with a minimum of 10 working days prior to the proposed connection date.

Review and Confirmation

- The form will be reviewed by the LV Self-Connect Project Manager.
- If everything is in order, you will receive an email confirming that the self-connect can proceed as per the PoW.

If you have any queries about this process in SEPD licence area, please send an email to TheCICTeam@sse.com.

For SHEPD Licence Area

For any LV Self-Connect projects in the SHEPD (Scottish Hydro Electric Power Distribution PLC) licence area, please contact your assigned Project Manager directly, as this form is not currently in use for SHEPD projects.



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



G39 Authorisation – SSEN Statement

This statement describes our application of ENA Engineering Recommendation (EREC) G39 'Model code of practice covering electrical safety in the planning, installation, commissioning and maintenance of public lighting and other street furniture'.

[Download and read our G39 Authorisation statement.](#)

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Alternative Provider Network Information

This page provides key information and technical resources for Independent Connection Providers (ICPs) and Independent Distribution Network Operators (IDNOs) looking to connect to SSEN's electricity network. It includes access to network maps, design standards, connection guidance, safety bulletins, and data on network capacity and costs — all aimed at supporting alternative providers in delivering safe, compliant, and efficient connections.

[Alternative Provider Network Information](#)

Alternative Providers Register

If you are happy to appear on our website, once you have registered, our customers will then be able to more easily search for those that could offer them an alternative quotation in delivering their project.

[Register as an alternative provider in our area](#)

[Alternative Provider Register List](#)

...



Useful links

[Information and guides](#)



[Important documents](#)



[Other connection types](#)



...

[Competition in connections useful documents](#)



Competition in connections useful documents

Here you will find any guides, information packs, applications and anything relating to Competition in Connections.

Scottish and Southern Electricity Networks / [Our services](#) / [Competition in connections](#) / Competition in connections useful documents

Competition in connections useful documents

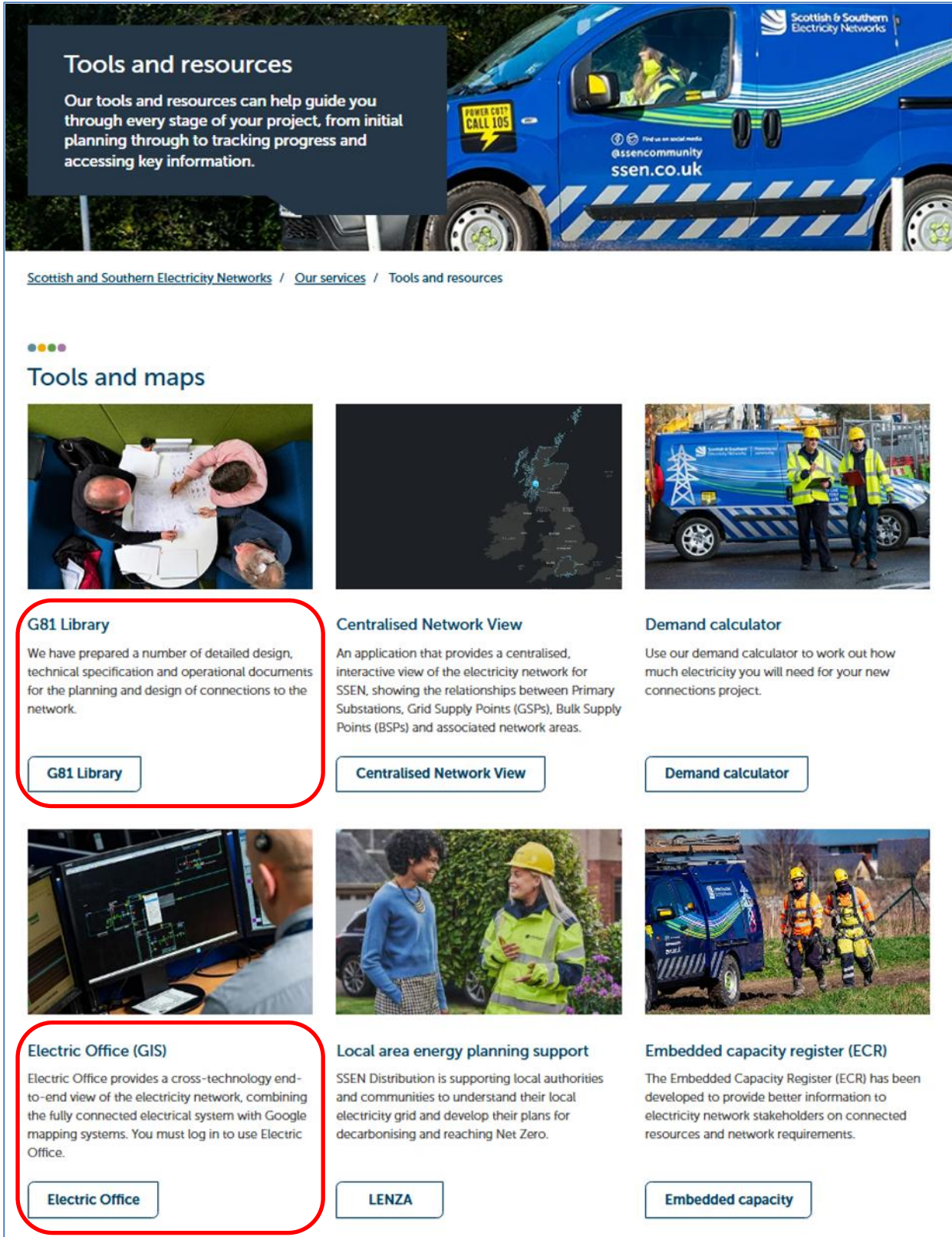
Filter

Select

	REF-NET-COM-001 - POC Self Identification and Self-Design Approval Guidance 21/09/2026 436.5 KB	
	SEPD guide to Novation 22/07/2026 139.9 KB	
	REF-NET-COM-016 SSEN Standard Ts Cs for Diversions (Rev2.00).pdf 04/05/2026 280.5 KB	
	TEM-NET-COM-008 HV or EHV or 132kV BCA Template SEPD (Rev1.03) Restricted Version 14/01/2025 486.8 KB	
	TEM-NET-COM-012 HV or EHV BCA Template SHEPD (Rev1.03) Restricted Version 14/01/2025 484.4 KB	
	Self Connect - Guidance 13/01/2025 178.8 KB	
	Self Design Approval - Guidance 13/01/2025 180 KB	
	TEM-NET-COM-009 LV BCA Template SEPD (Rev1.03) Restricted Version 10/01/2025 483.2 KB	
	TEM-NET-COM-013 LV BCA Template SHEPD (Rev1.03) Restricted Version 10/01/2025 463.7 KB	
	TEM-NET-COM-014 Metered Connections Adoption Agreement (Rev1.03) Restricted Version 10/01/2025 390 KB	

2. Screenshot No. 2: 'Tools and resources'

Tools and resources



Tools and resources

Our tools and resources can help guide you through every stage of your project, from initial planning through to tracking progress and accessing key information.

[Scottish and Southern Electricity Networks](#) / [Our services](#) / [Tools and resources](#)

Tools and maps



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](#)



Centralised Network View

An application that provides a centralised, interactive view of the electricity network for SSEN, showing the relationships between Primary Substations, Grid Supply Points (GSPs), Bulk Supply Points (BSPs) and associated network areas.

[Centralised Network View](#)



Demand calculator

Use our demand calculator to work out how much electricity you will need for your new connections project.

[Demand calculator](#)



Electric Office (GIS)

Electric Office 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 Electric Office.

[Electric Office](#)



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](#)



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.

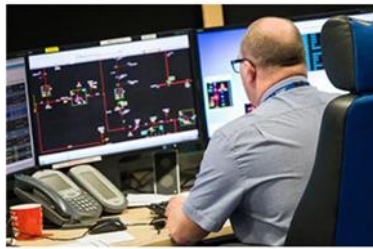
[Embedded capacity](#)



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

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.

[Network Rating and Loading](#)

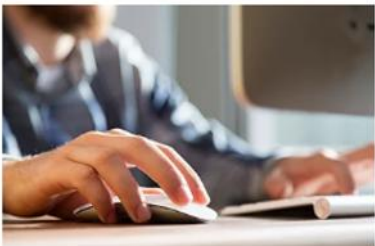


HV Network Schematics

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

[HV Network Schematics](#)

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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](#)



NeRDA (Near Realtime Data Access)

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

[NeRDA](#)

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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](#)



SSEN Data Portal

The Data Portal serves as a centralised open-data platform for Scottish and Southern Electricity Networks, offering comprehensive datasets on network assets, usage, and performance across the SEPD (Southern England) and SHEPD (Northern Scotland) licence areas.

[Data Portal](#)



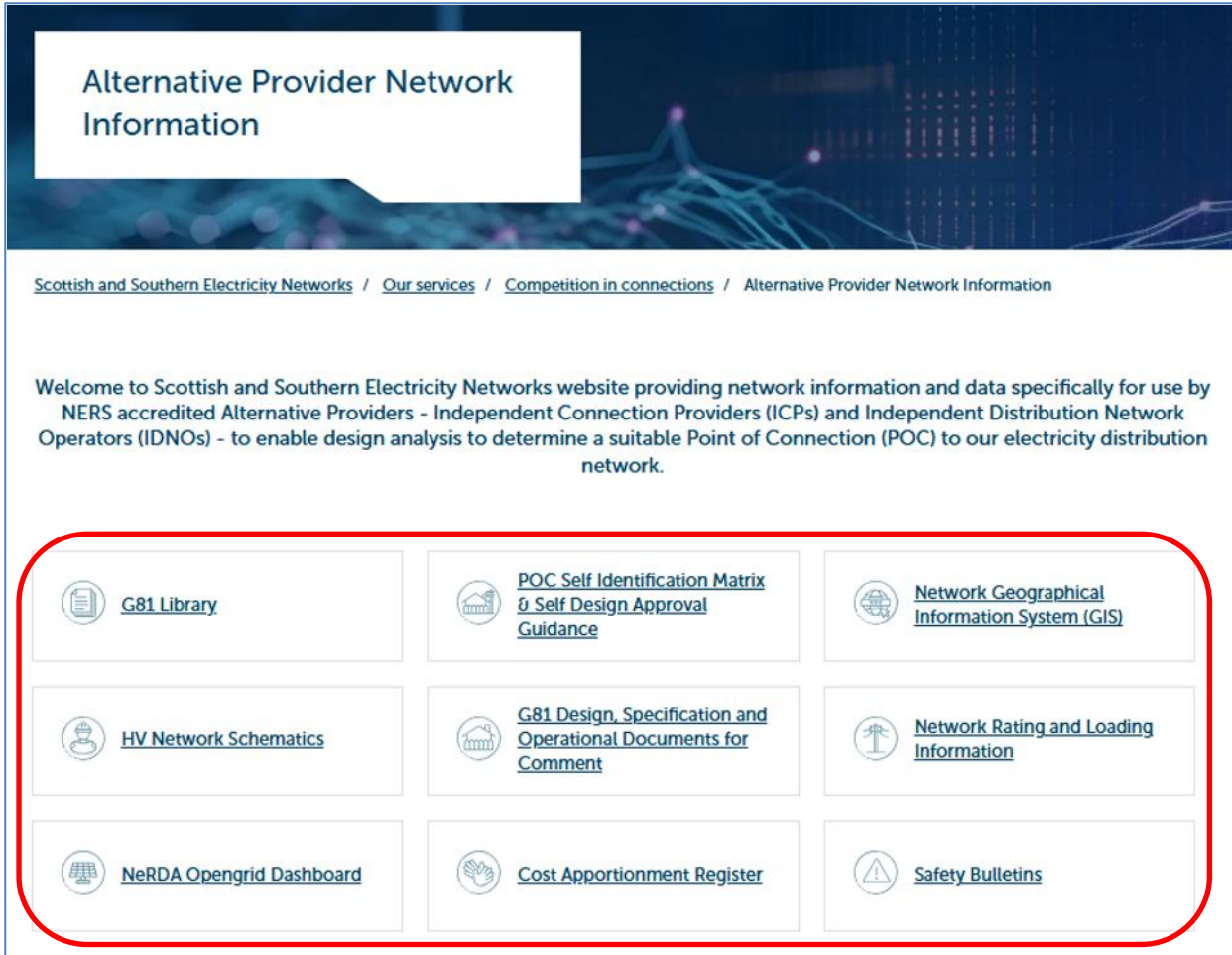
NeRDA Opengrid Dashboard

The Near Real-time Data Access (NeRDA) Opengrid Dashboard contains EHV/HV datasets from the Supervisory Control and Data Acquisition (SCADA) system, LV datasets from LV Monitoring devices, and Load modelling data.

[NeRDA Opengrid Dashboard](#)

3. Screenshot No. 3: 'Alternative Provider Network Information'

[Alternative Provider Network Information](#)



Alternative Provider Network Information

[Scottish and Southern Electricity Networks](#) / [Our services](#) / [Competition in connections](#) / [Alternative Provider Network Information](#)

Welcome to Scottish and Southern Electricity Networks website providing network information and data specifically for use by NERS accredited 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.

 G81 Library	 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
 NeRDA Opengrid Dashboard	 Cost Apportionment Register	 Safety Bulletins

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

[Sign in to your account](#)



Scottish & Southern
Electricity Networks

Powering our
community



Sign in with your existing account

By creating an account with us, you can:

- Apply for a new electricity connection
- Apply to move, add or disconnect your electricity connection
- Track and manage your application or enquiry progress through your customer portal
- Access G81 documentation

Important:
If you are looking to register for our Priority Services, please visit our website [here](#)

Email Address

Password [Forgot your password?](#)

Sign in

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

**POWER CUT?
CALL 105**



Useful Links

 Our website:
ssen.co.uk

 Register for our free
Priority Services:
[PSR Register](#)

 Track a power cut:
[Power Track](#)

Need some help?

 Call us on:
[0800 048 3516](tel:0800 048 3516)

 Email us at:
connections@ssen.co.uk

 Customer Support:
[Click here](#)

5. Screenshot No. 5: ‘Competition in connections secure access request’

Competition in Connections secure access request

Network Information for Alternative Providers – Terms and Conditions

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.

Severance:

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

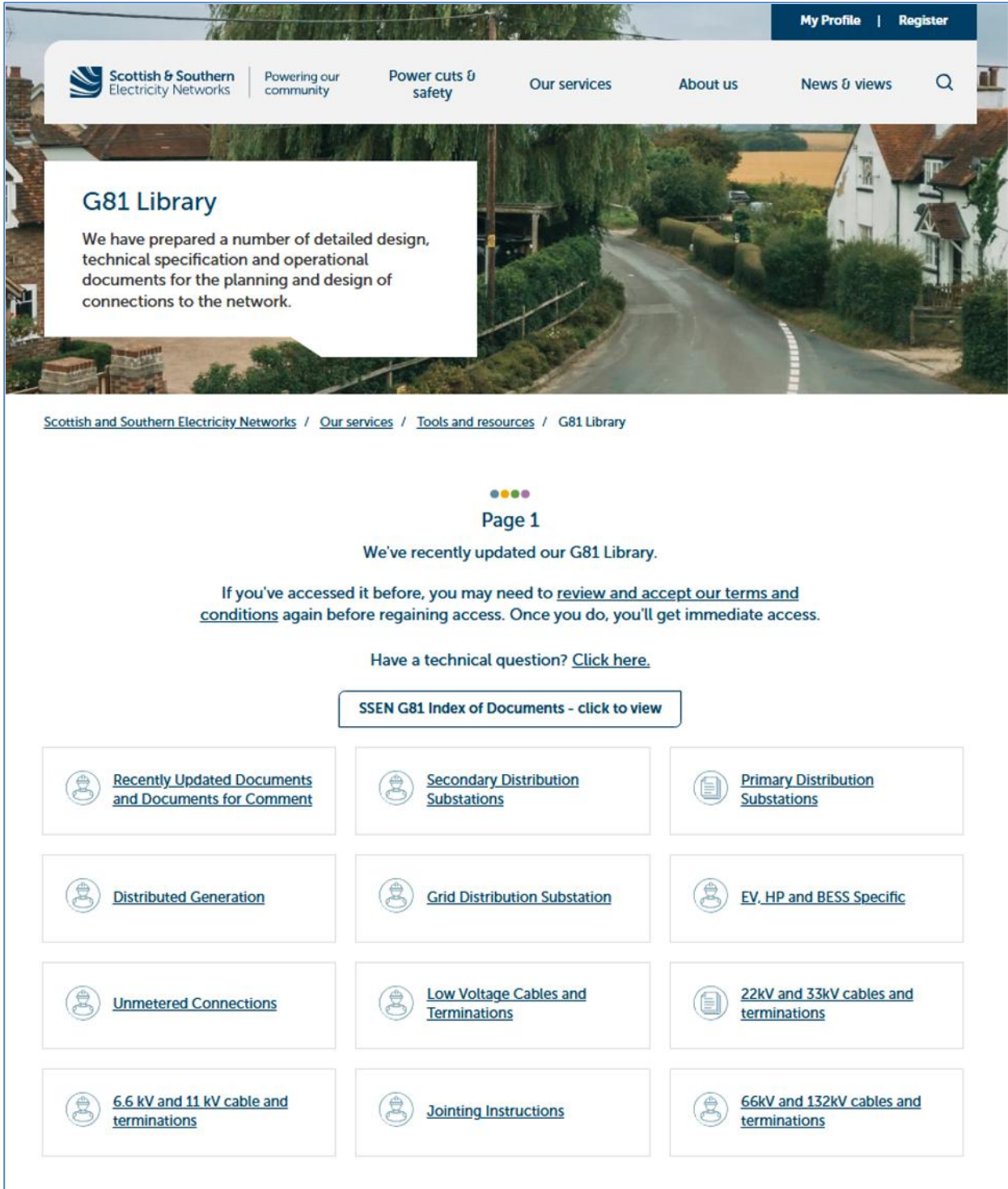
Accept and Continue >

☒ I accept the Terms and Conditions

Accept and Continue >

6. Screenshot No. 6: 'G81 Library'

[G81 Library](#)



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.

[Scottish and Southern Electricity Networks](#) / [Our services](#) / [Tools and resources](#) / [G81 Library](#)

Page 1

We've recently updated our G81 Library.

If you've accessed it before, you may need to [review and accept our terms and conditions](#) again before regaining access. Once you do, you'll get immediate access.

Have a technical question? [Click here.](#)

[SSEN G81 Index of Documents - click to view](#)

 Recently Updated Documents and Documents for Comment	 Secondary Distribution Substations	 Primary Distribution Substations
 Distributed Generation	 Grid Distribution Substation	 EV, HP and BESS Specific
 Unmetered Connections	 Low Voltage Cables and Terminations	 22kV and 33kV cables and terminations
 6.6 kV and 11 kV cable and terminations	 Jointing Instructions	 66kV and 132kV cables and terminations

Need extra assistance?

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.

G81.Feedback@sse.com



Page 2

 Overhead Lines on Wooden Poles	 Overhead Lines on Steel Towers	 Transmission
 Access to Infrastructure	 Safety Bulletins	 Operational Documents
 Product Update	 Site Sketches Information	 Access SCR Curtailable Connections and Flexible Solutions

[Recently Updated Documents and Documents for Comment](#)

[Scottish and Southern Electricity Networks](#) / [Our services](#) / [Tools and resources](#) / [G81 Library](#)

/ Recently Updated Documents and Documents for Comment



We've recently updated our G81 Library. If you've accessed it before, you may need to review and accept our terms and conditions again before regaining access. Once you do, you'll get immediate access. If you have any trouble, feel free to reach out to us at ssenwebsite@sse.com—we're happy to help!



G81 Documents – General Information

Recently updated documents ^

[SSEN G81 website rollout](#)

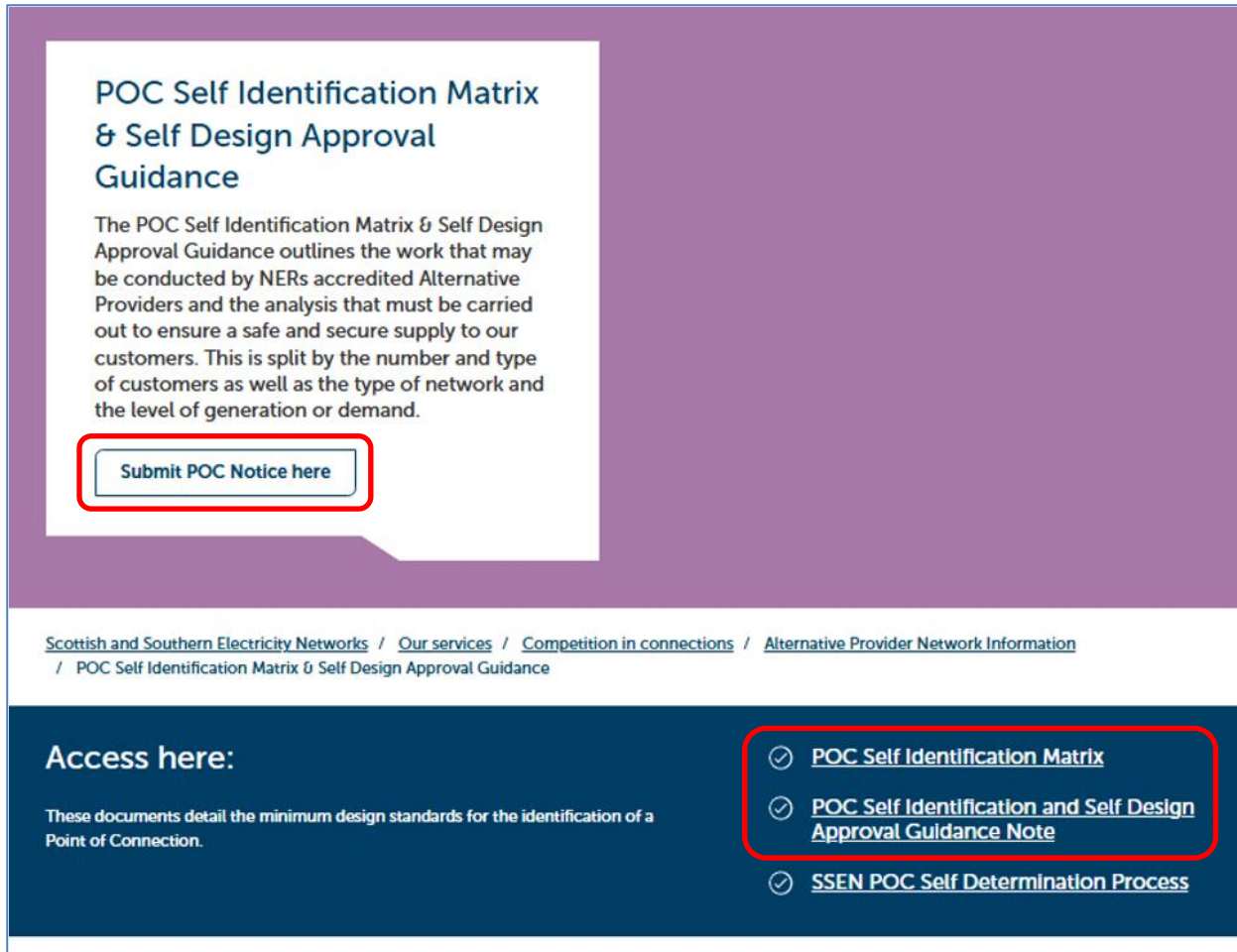
Useful links

G81 Library

Tools and maps

7. Screenshot No. 7: 'POC Self Identification Matrix & Self Design Approval Guidance'

[POC Self Identification Matrix & Self Design Approval Guidance](#)



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.

[Submit POC Notice here](#)

[Scottish and Southern Electricity Networks](#) / [Our services](#) / [Competition in connections](#) / [Alternative Provider Network Information](#) / [POC Self Identification Matrix & Self Design Approval Guidance](#)

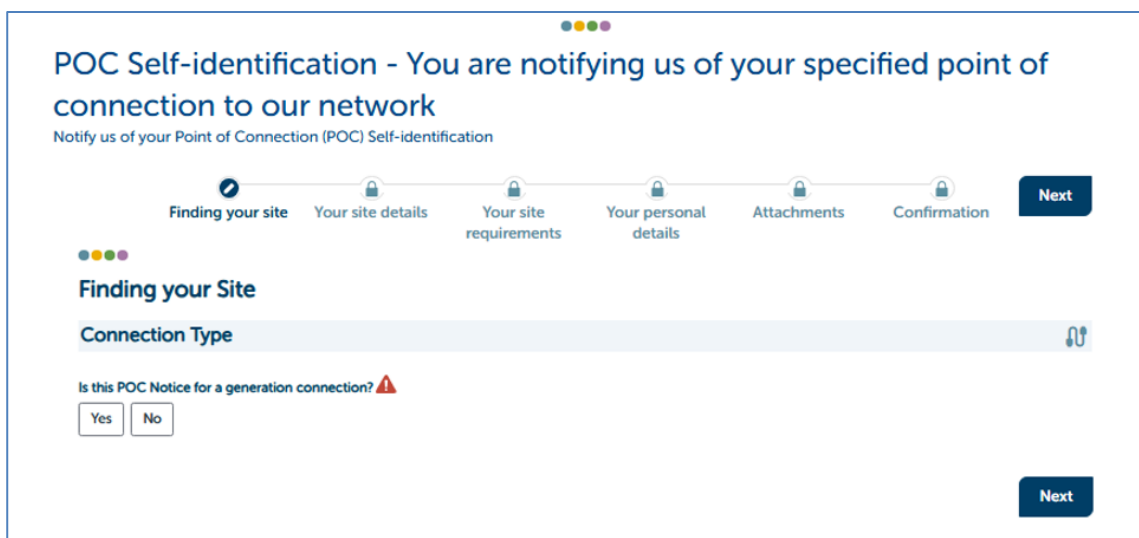
Access here:

These documents detail 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](#)

...

[POC Self-identification - You are notifying us of your specified point of connection to our network](#)



POC Self-identification - You are notifying us of your specified point of connection to our network

Notify us of your Point of Connection (POC) Self-identification

Progress bar: Finding your site (active), Your site details, Your site requirements, Your personal details, Attachments, Confirmation

Finding your Site

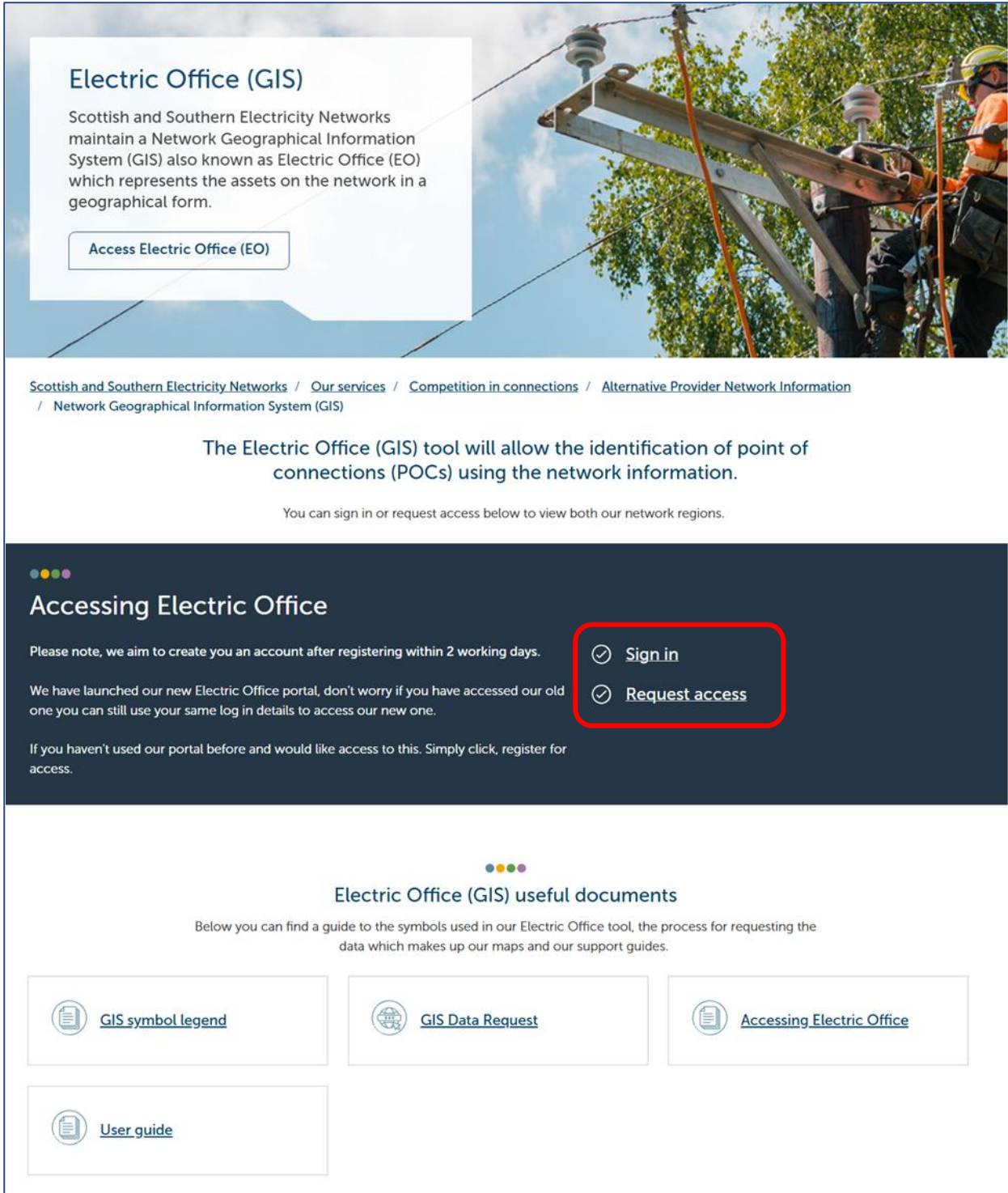
Connection Type

Is this POC Notice for a generation connection?

[Next](#)

8. Screenshot No. 8: 'Network Geographical Information System (GIS)'

[Network Geographical Information System \(GIS\)](#)



Electric Office (GIS)

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

[Access Electric Office \(EO\)](#)

[Scottish and Southern Electricity Networks](#) / [Our services](#) / [Competition in connections](#) / [Alternative Provider Network Information](#) / [Network Geographical Information System \(GIS\)](#)

The Electric Office (GIS) tool will allow the identification of point of connections (POCs) using the network information.

You can sign in or request access below to view both our network regions.

Accessing Electric Office

Please note, we aim to create you an account after registering within 2 working days.

We have launched our new Electric Office portal, don't worry if you have accessed our old one you can still use your same log in details to access our new one.

If you haven't used our portal before and would like access to this. Simply click, register for access.

[Sign in](#)

[Request access](#)

Electric Office (GIS) useful documents

Below you can find a guide to the symbols used in our Electric Office tool, the process for requesting the data which makes up our maps and our support guides.

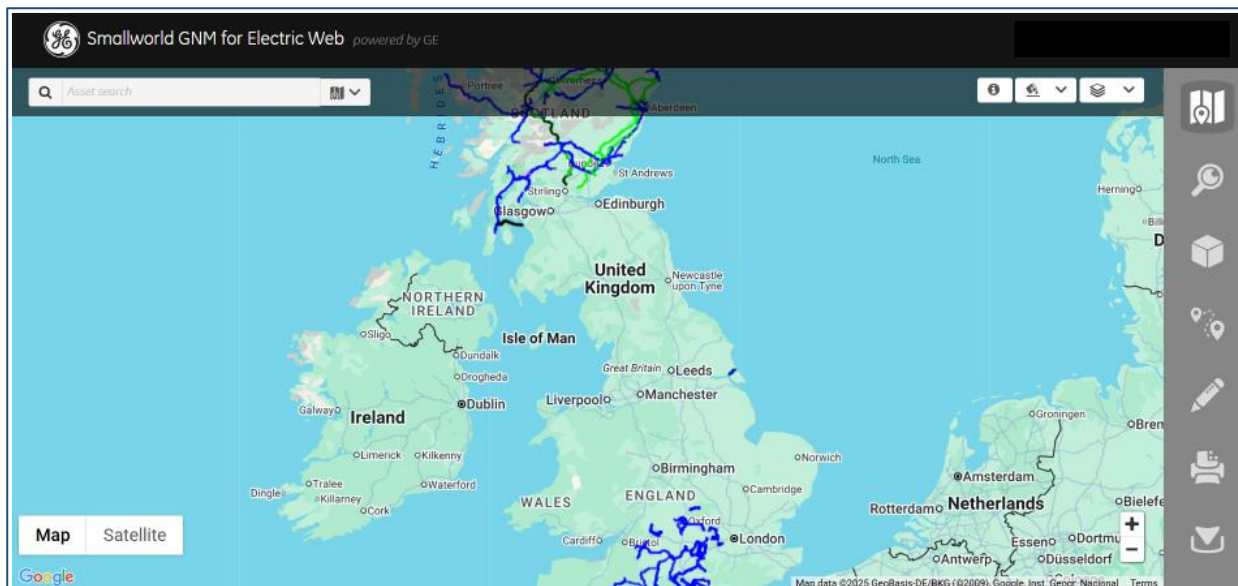
[GIS symbol legend](#)

[GIS Data Request](#)

[Accessing Electric Office](#)

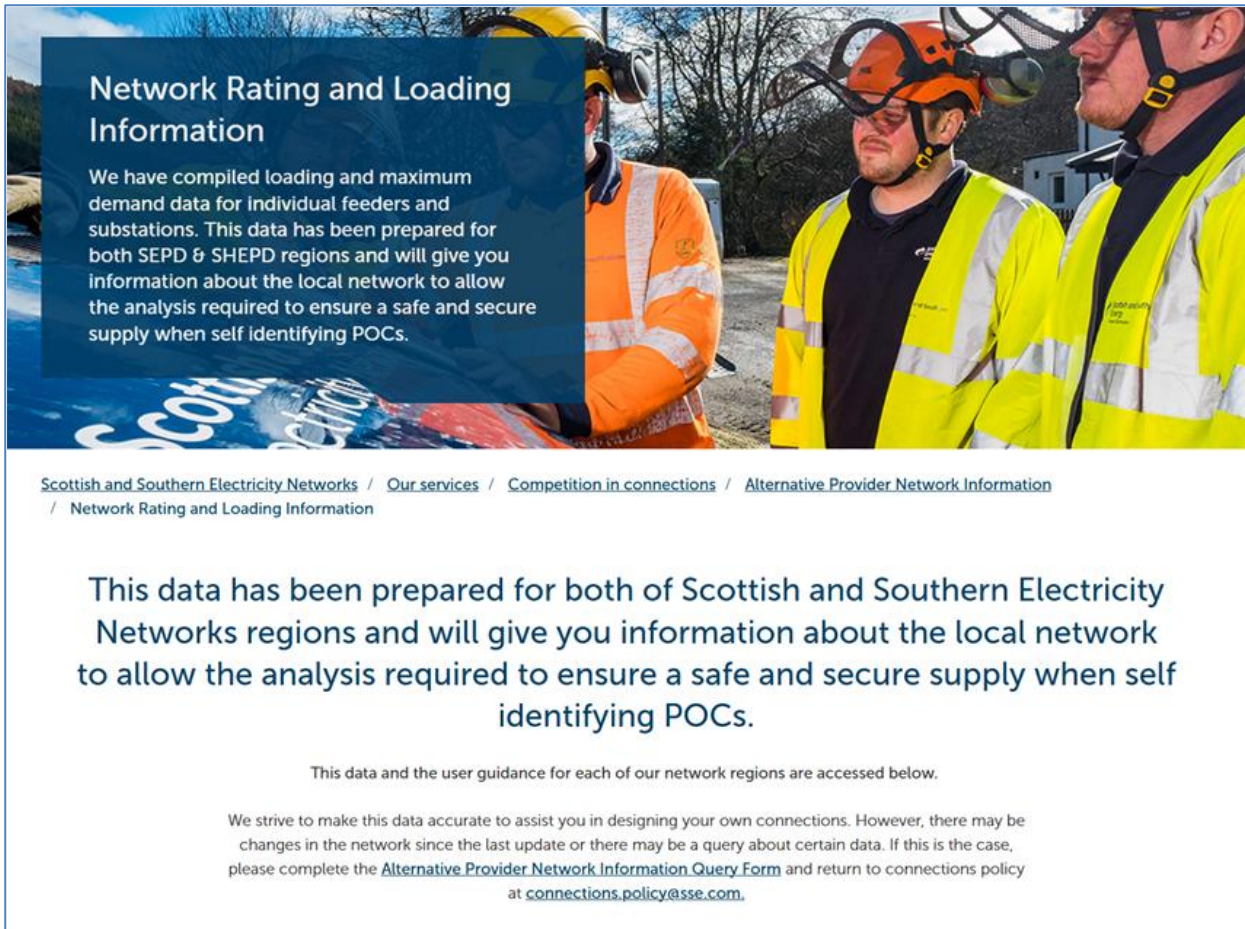
[User guide](#)

Electric Office (EO) Web



10. Screenshot No. 10: 'Network Rating and Loading Information'

[Network Rating and Loading Information](#)



Network Rating and Loading Information

We have compiled loading and maximum demand data for individual feeders and substations. This data has been prepared for both SEPD & SHEPD 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.

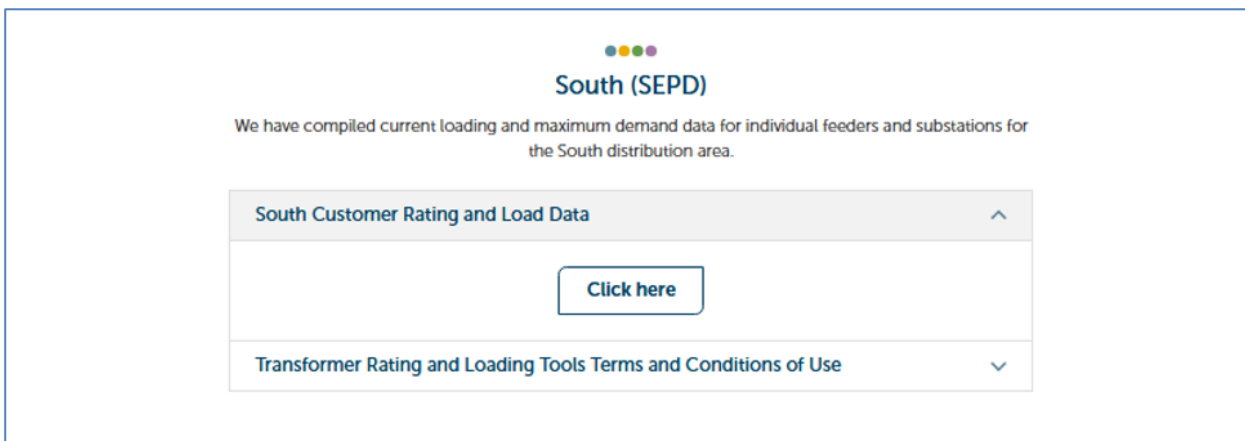
[Scottish and Southern Electricity Networks](#) / [Our services](#) / [Competition in connections](#) / [Alternative Provider Network Information](#) / [Network Rating and Loading Information](#)

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 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 [Alternative Provider Network Information Query Form](#) and return to connections policy at connections.policy@sse.com.

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South (SEPD)

We have compiled current loading and maximum demand data for individual feeders and substations for the South distribution area.

South Customer Rating and Load Data

[Click here](#)

Transformer Rating and Loading Tools Terms and Conditions of Use

...



North (SHEPD)

We have compiled current loading and maximum demand data for individual feeders and substations for the North distribution area.

North Customer Rating and Load Data

Click here

Transformer Rating and Loading Tools Terms and Conditions of Use

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[South Customer Rating and Load Data](#)

South Customer Rating and Load Data

This file is updated regularly, if you need a copy of this again we recommend redownloading to make sure the information you need is up to date. Please click on the link below to begin downloading this file.

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SEPD & SHEPD – NeRDA Opengrid Dashboard

The Near Real-time Data Access (NeRDA) Portal contains EHV/HV datasets from the Supervisory Control and Data Acquisition (SCADA) system, LV datasets from LV Monitoring devices, and Load modelling data. There are two ways to access the data using the NeRDA Portal: navigating to and around substations within the Portal itself or via Application Programming Interface (API) Access.

A "NeRDA Data Extraction Tool" is available from the [NeRDA Opengrid Dashboard](#) (available from the SSEN Distribution Data Portal), and it includes a user guide. This "NeRDA Data Extraction Tool" is to be used in conjunction with the above Transformer Rating and Loading Tools for both SEPD and SHEPD distribution areas.

NeRDA Opengrid Dashboard - Data Asset - SSEN Distribution Data Portal

NeRDA HV Data Tool - how to access the tool

We will aim to respond to your query within 5 working days from receiving a completed form.

In accordance with Clause 4.5.2 of the Energy Networks Association Competition in Connections Code of Practice, Scottish and Southern Electricity Networks (SSEN) may be unable to disclose certain information where, in SSEN's reasonable opinion, such disclosure would result in the release of confidential or personal data in breach of the UK General Data Protection Regulation (UK GDPR), the Data Protection Act 2018, or any other applicable legal or licence obligation. Where disclosure is not possible for these reasons, SSEN will confirm this to the requesting party.

Alternative Provider Network Information Query Form

...

[Alternative Provider Network Information Query Form](#)



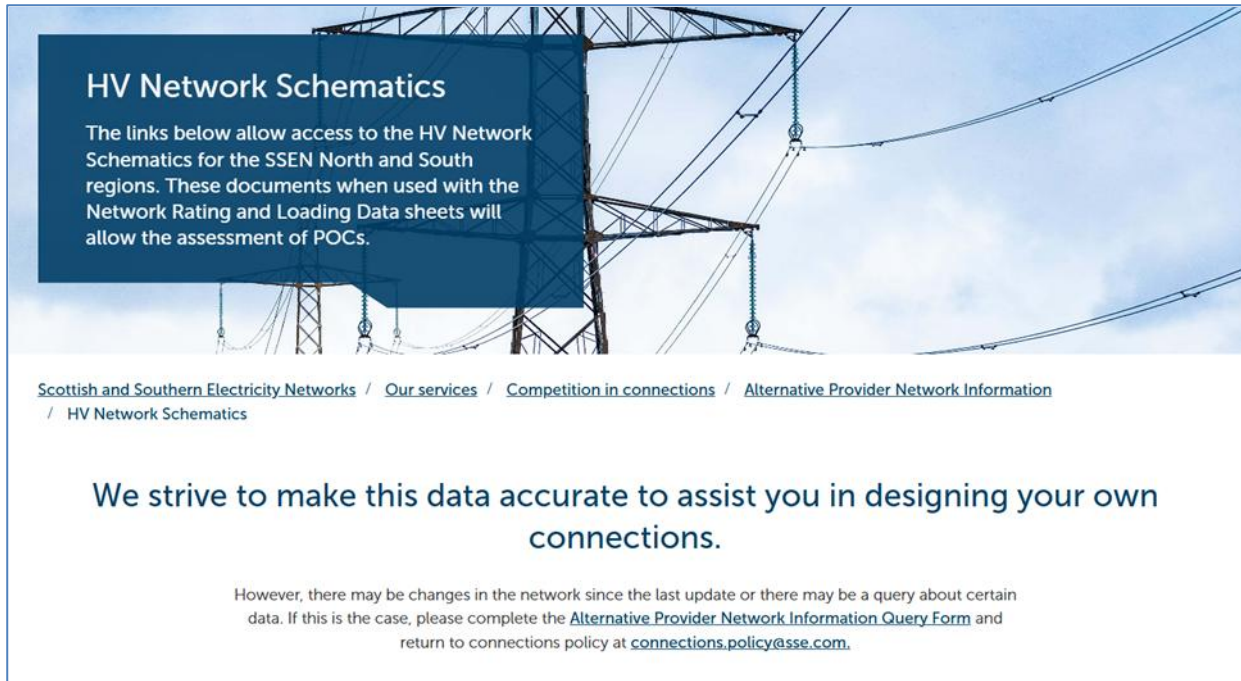
Alternative Provider Network Information Query Form

This file is updated regularly, if you need a copy of this again we recommend redownloading to make sure the information you need is up to date. Please click on the link below to begin downloading this file.

 Download File

11. Screenshot No. 11: 'HV Network Schematics'

[HV Network Schematics](#)



HV Network Schematics

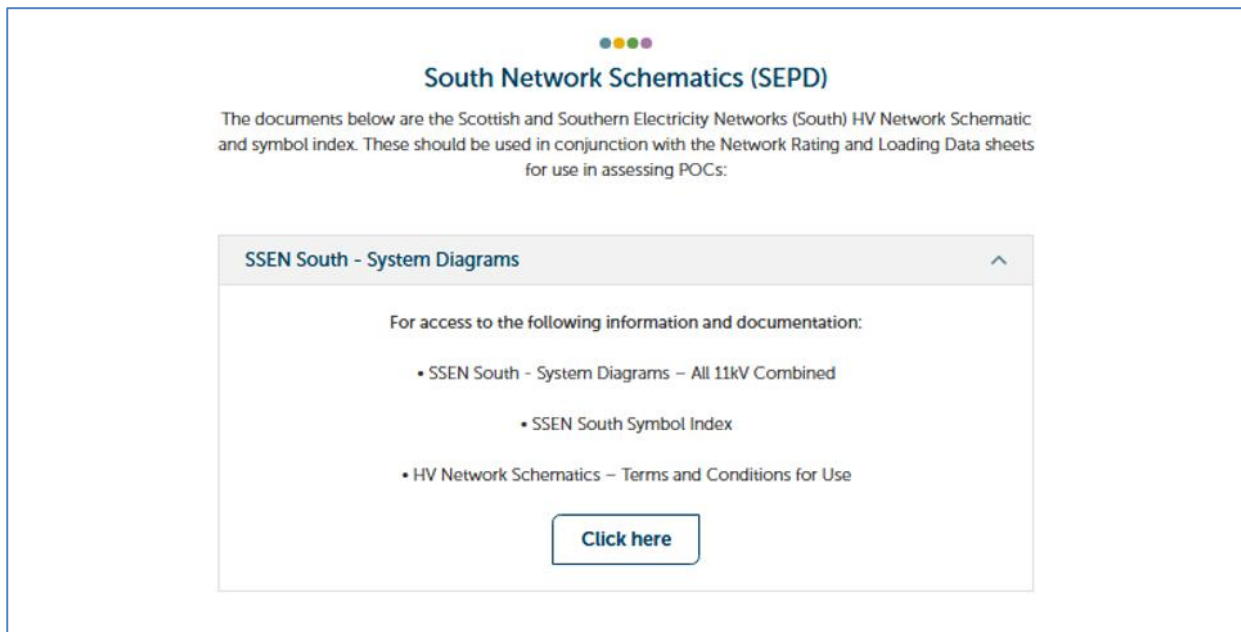
The links below allow access to the HV Network Schematics for the SSEN North and South regions. These documents when used with the Network Rating and Loading Data sheets will allow the assessment of POCs.

[Scottish and Southern Electricity Networks](#) / [Our services](#) / [Competition in connections](#) / [Alternative Provider Network Information](#) / HV Network Schematics

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 [Alternative Provider Network Information Query Form](#) and return to connections policy at connections.policy@sse.com.

...



South Network Schematics (SEPD)

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:

SSEN South - System Diagrams

For access to the following information and documentation:

- SSEN South - System Diagrams – All 11kV Combined
- SSEN South Symbol Index
- HV Network Schematics – Terms and Conditions for Use

[Click here](#)

...



North Network Schematics (SHEPD)

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:

SSEN North - System Diagrams

For access to the following information and documentation:

- SSEN North - System Diagrams – All 11kV Combined
- SSEN North Symbol Index
- HV Network Schematics – Terms and Conditions for Use

[Click here](#)

Network Schematics

Our Network Schematics are held in an Extranet SharePoint site called "[External] Networks Commercial Network Schematic Extranet" as PDF print copies of our network operational diagrams. The PDF print copies are extracted on a monthly basis from our POWERON live system and uploaded onto the Extranet SharePoint site for third party access.

CAUTION: Third party access is only granted to NERS accredited Alternative Providers upon:

- Access requests received by the Connections Policy team at connections.policy@sse.com.
- Successful completion of the vetting process, which includes checking of the [NERS Register](#) on LRQA's website.

A Connections Policy team member will then add the requesters manually to the Microsoft Office 365 SharePoint Online "SSE PLC" tenant as Visitors [Read]. This will then provide the requesters with 24/7 access to the PDF print copies of our network operational diagrams.

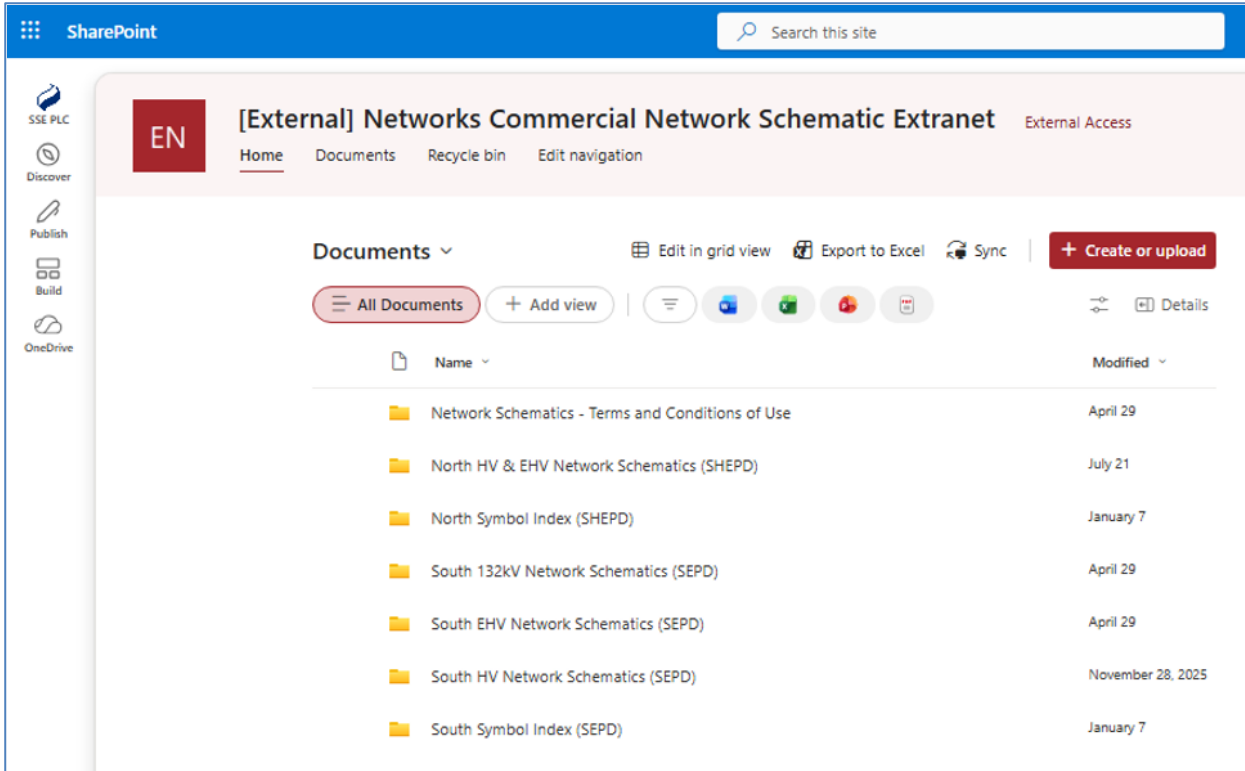
We will aim to respond to your query within 5 working days from receiving a completed form.

In accordance with Clause 4.5.2 of the Energy Networks Association Competition in Connections Code of Practice, Scottish and Southern Electricity Networks (SSEN) may be unable to disclose certain information where, in SSEN's reasonable opinion, such disclosure would result in the release of confidential or personal data in breach of the UK General Data Protection Regulation (UK GDPR), the Data Protection Act 2018, or any other applicable legal or licence obligation. Where disclosure is not possible for these reasons, SSEN will confirm this to the requesting party.

[Alternative Provider Network Information Query Form](#)

12. Screenshot No. 12: '[External] Networks Commercial Network Schematic Extranet - Home'

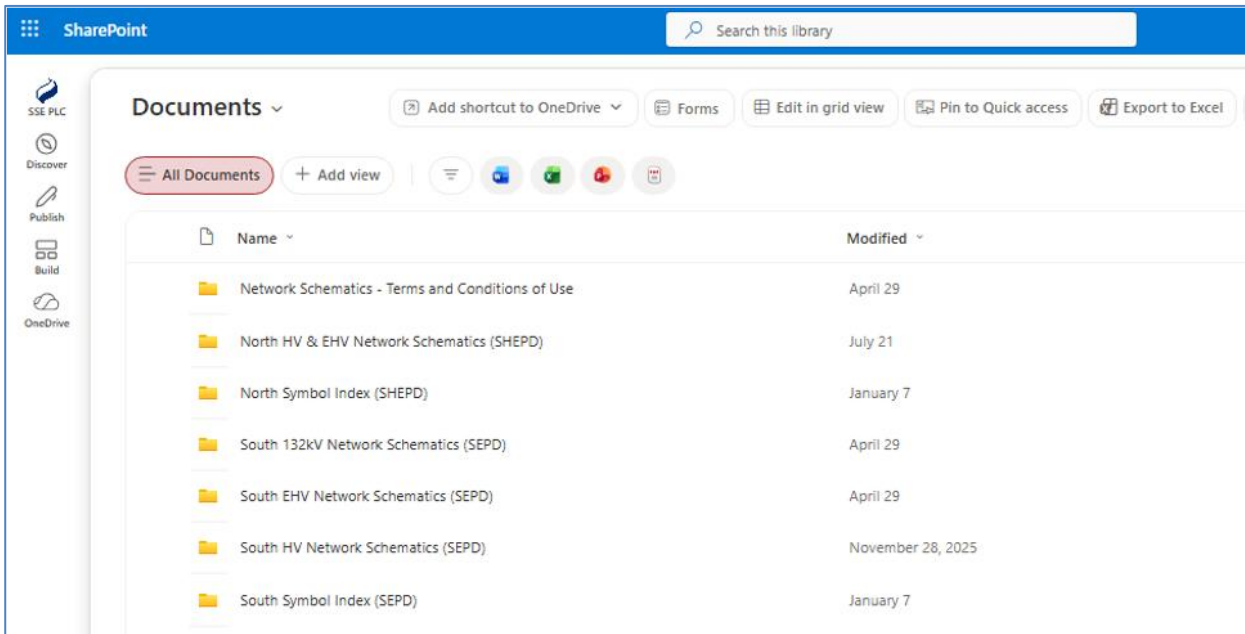
[\[External\] Networks Commercial Network Schematic Extranet - Home](#)



The screenshot shows the SharePoint 'Home' page for the '[External] Networks Commercial Network Schematic Extranet'. The page has a blue header with the SharePoint logo and a search bar. On the left, there is a sidebar with icons for SSE PLC, Discover, Publish, Build, and OneDrive. The main content area has a red 'EN' logo and the title '[External] Networks Commercial Network Schematic Extranet' with 'External Access' next to it. Below the title are tabs for 'Home', 'Documents', 'Recycle bin', and 'Edit navigation'. The 'Documents' tab is active, showing a list of documents and folders. At the top of the document list, there are buttons for 'Edit in grid view', 'Export to Excel', 'Sync', and 'Create or upload'. Below these are buttons for 'All Documents', 'Add view', and a set of icons for document types. The document list has columns for 'Name' and 'Modified'.

Name	Modified
Network Schematics - Terms and Conditions of Use	April 29
North HV & EHV Network Schematics (SHEPD)	July 21
North Symbol Index (SHEPD)	January 7
South 132kV Network Schematics (SEPD)	April 29
South EHV Network Schematics (SEPD)	April 29
South HV Network Schematics (SEPD)	November 28, 2025
South Symbol Index (SEPD)	January 7

[\[External\] Networks Commercial Network Schematic Extranet - Documents - All Documents](#)

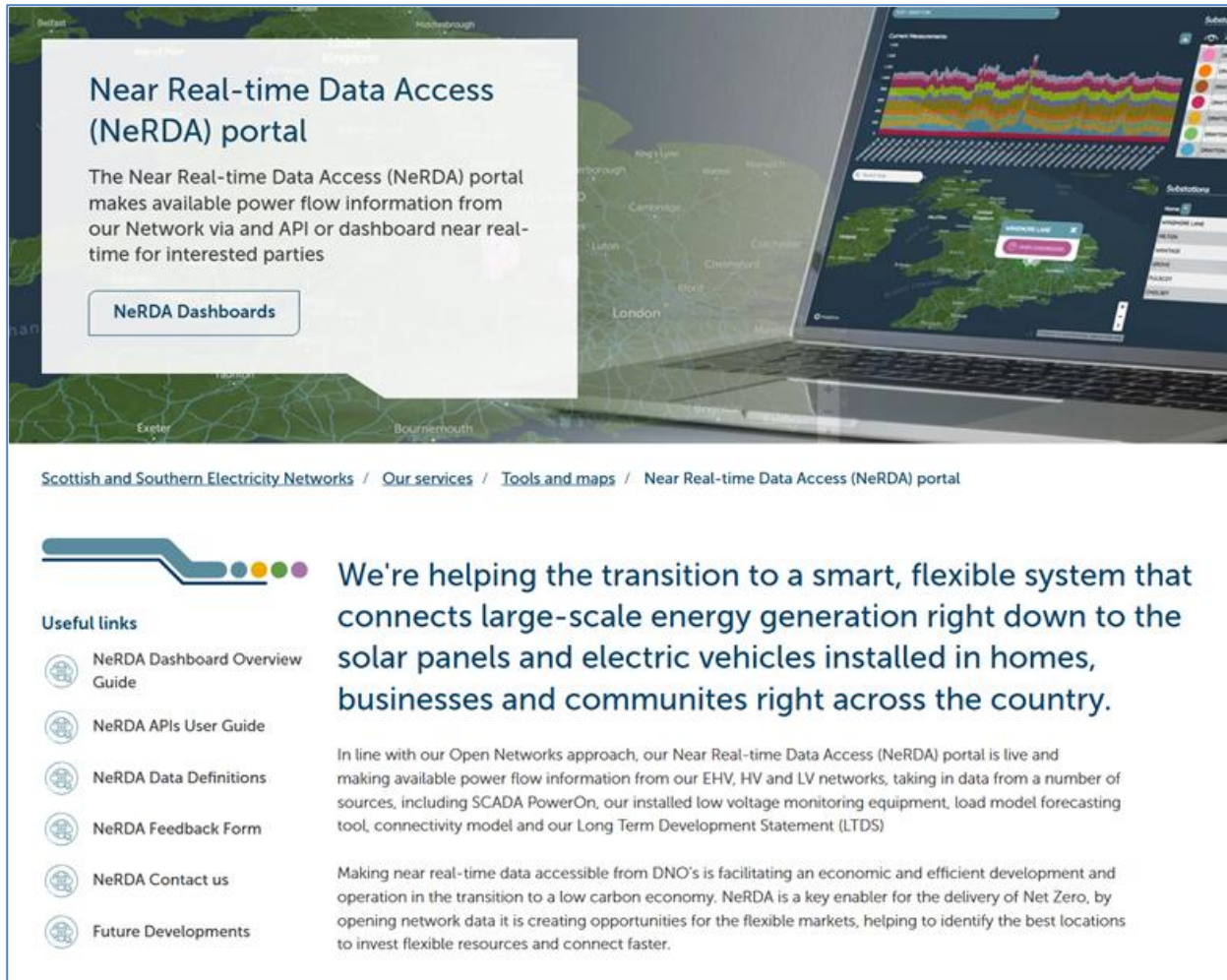


The screenshot shows the SharePoint 'Documents - All Documents' page for the '[External] Networks Commercial Network Schematic Extranet'. The page has a blue header with the SharePoint logo and a search bar. On the left, there is a sidebar with icons for SSE PLC, Discover, Publish, Build, and OneDrive. The main content area has a red 'EN' logo and the title '[External] Networks Commercial Network Schematic Extranet' with 'External Access' next to it. Below the title are tabs for 'Home', 'Documents', 'Recycle bin', and 'Edit navigation'. The 'Documents' tab is active, showing a list of documents and folders. At the top of the document list, there are buttons for 'Add shortcut to OneDrive', 'Forms', 'Edit in grid view', 'Pin to Quick access', and 'Export to Excel'. Below these are buttons for 'All Documents', 'Add view', and a set of icons for document types. The document list has columns for 'Name' and 'Modified'.

Name	Modified
Network Schematics - Terms and Conditions of Use	April 29
North HV & EHV Network Schematics (SHEPD)	July 21
North Symbol Index (SHEPD)	January 7
South 132kV Network Schematics (SEPD)	April 29
South EHV Network Schematics (SEPD)	April 29
South HV Network Schematics (SEPD)	November 28, 2025
South Symbol Index (SEPD)	January 7

13. Screenshot No. 13: 'Near Real-time Data Access (NeRDA) portal'

[Near Real-time Data Access \(NeRDA\) portal](#)



Near Real-time Data Access (NeRDA) portal

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 Dashboards](#)

Scottish and Southern Electricity Networks / [Our services](#) / [Tools and maps](#) / Near Real-time Data Access (NeRDA) portal

Useful links

- [NeRDA Dashboard Overview Guide](#)
- [NeRDA APIs User Guide](#)
- [NeRDA Data Definitions](#)
- [NeRDA Feedback Form](#)
- [NeRDA Contact us](#)
- [Future Developments](#)

We're helping the transition to a smart, flexible system that connects large-scale energy generation right down to the solar panels and electric vehicles installed in homes, businesses and communities right across the country.

In line with our Open Networks approach, our Near Real-time Data Access (NeRDA) portal is live and making available power flow information from our EHV, HV and LV networks, taking in data from a number of sources, including SCADA PowerOn, our installed low voltage monitoring equipment, load model forecasting tool, connectivity model and our Long Term Development Statement (LTDS)

Making near real-time data accessible from DNO's is facilitating an economic and efficient development and operation in the transition to a low carbon economy. NeRDA is a key enabler for the delivery of Net Zero, by opening network data it is creating opportunities for the flexible markets, helping to identify the best locations to invest flexible resources and connect faster.

...

You can access this information via our informative near real-time Dashboard and download portions of data, or connect to our API and receive an ongoing stream of near real-time data.



NeRDA Access



Register for API access

[Read more on how to access](#)



Dashboard access

[Dashboard](#)

14. Screenshot No. 14: 'SSEN Distribution Data Portal'

[SSEN Distribution Data Portal](#)



SSSEN Website

FAQ | Login | Sign Up

Scottish & Southern Electricity Networks **DATA PORTAL** Search

DATA INFORMATION INSIGHTS REQUEST DATA Support

Centralised Network View

35 DATA ASSETS 379 DATA 556 REPORTS

3 INSIGHT DASHBOARDS 2 INSIGHT SHOWCASES 6 INSIGHT TOOLS

Welcome to the
SSEN DISTRIBUTION DATA PORTAL

Find, share and use Distribution Energy data all in one place

Type a keyword... SEARCH DATA LEARN MORE

Asset Management Future Network Network Capacity Network Flexibility Outage Management Reports and Works

WHAT'S NEW

SEP
AUG
JUL

03 September 2026
The resource [Dispatch Report Week 37 2026](#) has been published on the dataset...

03 September 2026
The resource [Flexibility Services Contract Register 03-Sep-2026](#) has been publishe...

USER TYPES

Not Connected
I want to connect to the network, and I am not sure where to start.

Connected
I am connected to the network, and I want to learn more about utilising my assets and connection.

Collaborator
I want to collaborate with other stakeholders e.g. NESO, DNOs / DSOs, Local Authorities etc.

Researcher
I want to conduct research into the network to improve our knowledge, develop new products or help understand my usage.

...



The screenshot displays the SSEN website interface. At the top, the 'DATA ASSETS' section features two tabs: 'Most Viewed' and 'Recently added'. Below these are four asset cards: 'SSEN Overhead Lines', 'SSEN Substation Data', 'NaFIRS HV Faults', and 'NaFIRS LV Faults'. Each card includes a brief description of the data. A 'HIGHLIGHTS' section follows, containing four items: 'Digital Strategy and Action Plan', 'Our Collaboration Plan', 'SSEN Distribution Data Roadmap', and 'SSEN Distribution Data Portal Guidance'. The footer includes the 'Service provided by' section with the SSEN logo, copyright information, and the 'Built with PortalJS' logo. Social media icons for Facebook, LinkedIn, YouTube, Twitter, and Instagram are also present, along with an 'Export data catalog' link and a small disclaimer about the trading name of Scottish and Southern Energy Power Distribution Limited.

DATA ASSETS

Most Viewed Recently added

SSEN Overhead Lines
Details of SSEN overhead lines, their voltage, circuit IDs and location coordinates fo...

SSEN Substation Data
Details of SSEN Substations, their type and identification and location coordinates fo...

NaFIRS HV Faults
The NaFIRS dataset contains details of planned and unplanned HV outages on...

NaFIRS LV Faults
The NaFIRS dataset contains details of planned and unplanned LV outages on th...

HIGHLIGHTS

Digital Strategy and Action Plan

Our Collaboration Plan

SSEN Distribution Data Roadmap

SSEN Distribution Data Portal Guidance

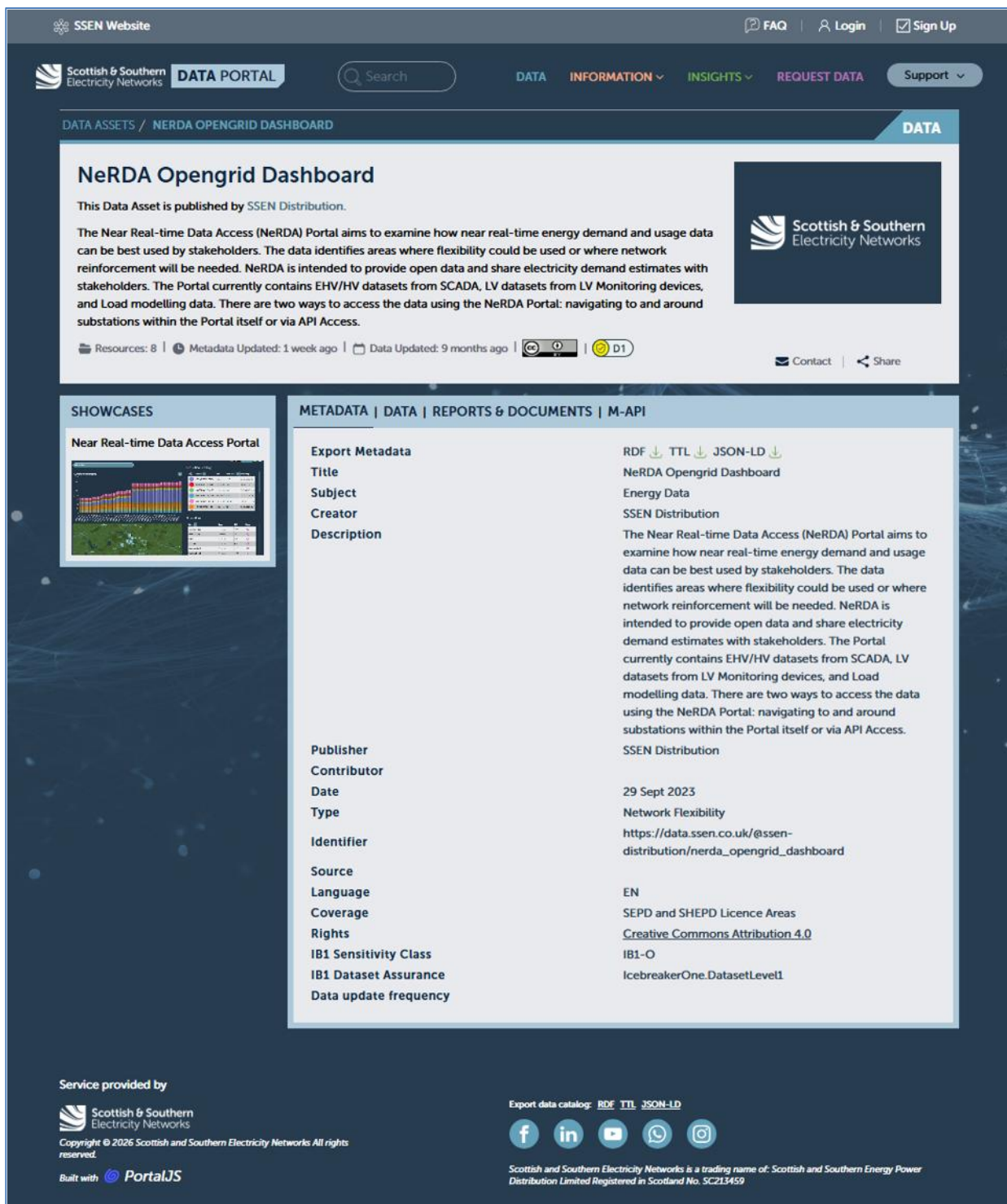
Service provided by
Scottish & Southern
Electricity Networks
Copyright © 2026 Scottish and Southern Electricity Networks All rights reserved.
Built with PortalJS

Export data catalog: RDE TTL 250N-LD

Scottish and Southern Electricity Networks is a trading name of: Scottish and Southern Energy Power Distribution Limited Registered in Scotland No. SC213459

15. Screenshot No. 15: 'NeRDA Opengrid Dashboard - Data Asset - SSEN Distribution Data Portal'

[NeRDA Opengrid Dashboard - Data Asset - SSEN Distribution Data Portal](#)



NeRDA Opengrid Dashboard

This Data Asset is published by SSEN Distribution.

The Near Real-time Data Access (NeRDA) Portal aims to examine how near real-time energy demand and usage data can be best used by stakeholders. The data identifies areas where flexibility could be used or where network reinforcement will be needed. NeRDA is intended to provide open data and share electricity demand estimates with stakeholders. The Portal currently contains EHV/HV datasets from SCADA, LV datasets from LV Monitoring devices, and Load modelling data. There are two ways to access the data using the NeRDA Portal: navigating to and around substations within the Portal itself or via API Access.

Resources: 8 | Metadata Updated: 1 week ago | Data Updated: 9 months ago |   |  D1

Contact | Share

SHOWCASES

Near Real-time Data Access Portal

METADATA | DATA | REPORTS & DOCUMENTS | M-API

Export Metadata	RDF  TTL  JSON-LD 
Title	NeRDA Opengrid Dashboard
Subject	Energy Data
Creator	SSEN Distribution
Description	The Near Real-time Data Access (NeRDA) Portal aims to examine how near real-time energy demand and usage data can be best used by stakeholders. The data identifies areas where flexibility could be used or where network reinforcement will be needed. NeRDA is intended to provide open data and share electricity demand estimates with stakeholders. The Portal currently contains EHV/HV datasets from SCADA, LV datasets from LV Monitoring devices, and Load modelling data. There are two ways to access the data using the NeRDA Portal: navigating to and around substations within the Portal itself or via API Access.
Publisher	SSEN Distribution
Contributor	
Date	29 Sept 2023
Type	Network Flexibility
Identifier	https://data.ssen.co.uk/ssen-distribution/nerda_opengrid_dashboard
Source	
Language	EN
Coverage	SEPD and SHEPD Licence Areas
Rights	Creative Commons Attribution 4.0
IB1 Sensitivity Class	IB1-O
IB1 Dataset Assurance	IcebreakerOne.DatasetLevel1
Data update frequency	

Service provided by

 Scottish & Southern Electricity Networks

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Built with  PortalJS

Export data catalog: [RDF](#) [TTL](#) [JSON-LD](#)

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