

Networks

Electric Office (EO) Guide to Symbols



Inveralmond House, 200 Dunkeld Road, Perth PH1 3AQ 🕲 ssen.co.uk

Scottish and Southern Electricity Networks is a trading name of: Scottish and Southern Energy Power Distribution Limited Registered in Scotland No.SC213459; Scottish Hydro Electric Transmission plc Registered in Scotland No. SC213461; Scottish Hydro Electric Power Distribution plc Registered in Scotland No. SC213460; (all having their Registered Offices at Inveralmond House 200 Dunkeld Road Perth PH1 3AQ); and Southern Electric Power Distribution plc Registered in England & Wales No.04094290 having their Registered Office at No. 1 Forbury Place 43 Forbury Road Reading RG1 3JHwhich are members of the SSE Group www.ssen.co.uk

				lies to
REF-NET-COM-011	Electric Office (E	O) Guide to Symbols	Distribution	Transmission
			\checkmark	✓
Revision: 1.00	Classification: Public	Issue Date: April 2021	Review Date: April 2025	

	Name	Title
Author	Matthew Phillips	Quality & Performance Manager
Checked by	David Green	Asset Data Manager
Approved by	Rodger Yuile	Head of Strategic Planning & Policy

Contents

1	Introduction	3
2	References	3
3	Electric Office Legend	3
4	Revision History	6



Inveralmond House, 200 Dunkeld Road, Perth PH1 3AQ. Sc13459, Sottish and Southern Electric Power Distribution Linket Registered in Scotland No. Sc23461, Sottish Hydro Electric Power Distribution Registered and No. Sc23461, Sottish Hydro Electric Power Distribution Registered and No. Sc23461, Sottish Hydro Electric Power Distribution Pic Registered on Scotland No. Sc23461, Sottish Hydro Electric Power Distribution Pic Registered on Scotland No. Sc23461, Sottish Hydro Electric Power Distribution Pic Registered on Scotland No. Sc23461, Sottish Hydro Electric Power Distribution Pic Registered on Scotland No. Sc23461, Sottish Hydro Electric Power Distribution Pic Registered on Scotland No. Sc23461, Sottish Hydro Electric Power Distribution Pic Registered on Scotland No. Sc23461, Sottish Hydro Electric Power Distribution Pic Registered on Scotland No. Sc23461, Sottish Hydro Electric Power Distribution Pic Registered on Scotland No. Sc23461, Sottish Hydro Electric Power Distribution Pic Registered on Scotland No. Sc23461, Sottish Hydro Electric Power Distribution Pic Registered on Scotland No. Sc23461, Sottish Hydro Electric Power Distribution Pic Registered on Scotland No. Sc23461, Sottish Hydro Electric Power Distribution Pic Registered on Scotland No. Sc23461, Sottish Hydro Electric Power Distribution Pic Registered on Scotland No. Sc23461, Sottish Hydro Electric Power Distribution Pic Registered on Scotland No. Sc23461, Sottish Hydro Electric Power Distribution Pic Registered on Scotland No. Sc23461, Sottish Hydro Electric Power Distribution Pic Registered on Scotland No. Scotland

	IET-COM-011 Electric Office (EO) Guide to Symbols		Applies to	
REF-NET-COM-011			Distribution	Transmission
			\checkmark	✓
Revision: 1.00	Classification: Public	Issue Date: April 2021	Review Date: April 2025	

1 Introduction

The purpose of this document is to improve the clarity of information displayed on our web-based GIS Viewer (New Connections EO Web) so that stakeholders can gain a deeper understanding of how our Network is constructed and operated.

Electric Office is a geographical information system for capturing, storing, checking and displaying data related to SSEN's Distribution network. EO can show many different types of data on one map.

Scottish and Southern Energy Power Distribution (SSEPD) offer access to the New Connections EO Web system by logging in to the web address www.ssepd.co.uk/CompetitioninConnection/ and registering for access. Once the application is approved, this will allow you access to the viewer which will display electrical network infrastructure.

2 References

The document detailed in Table 2.1 - Scottish and Southern Electricity Documents, should be used in conjunction with this document.

Reference	Title
PR-NET-ENG-046	Asset Data Updating Procedure

3 Electric Office Legend

Description	EO Symbol
Linear Assets (cables and lines)	
Fibre Optic	
Pilot Cable	
LV Mains and Services (400V)	
LV Mains and Services (230V)	
LV Mains and Services (Split Phase 460V)	
HV 2.7kV, 3kV and 3.3kV	
HV 6.6kV	
HV 11kV	
EHV 22kV	

Page **3** of **6** © Scottish and Southern Electricity Networks Uncontrolled if Printed



		Applies to		
REF-NET-COM-011	Electric Office (EO) Guide to Symbols		Distribution	Transmission
			✓	✓
Revision: 1.00	Classification: Public	Issue Date: April 2021	Review Date: April 2025	

Description	EO Symbol
EHV 33kV	
EHV 66kV	
EHV+ 132kV	
EHV+ 275kV	
EHV+ 320 kV	
EHV+ 400kV	
Abandoned cable	
Removed cable	
Assumed Routes	
Structures	
Single Pole	
H Pole	••
3 Poles	
Stay	—
Flying Stay	FS
Tower	
Substation	
Pole Mounted Transformer	

Page 4 of 6 © Scottish and Southern Electricity Networks Uncontrolled if Printed



				lies to
REF-NET-COM-011	REF-NET-COM-011 Electric Office (EO) Guide to Symbols		Distribution	Transmission
			✓	✓
Revision: 1.00	Classification: Public	Issue Date: April 2021	Review Date: April 2025	

Description	EO Symbol
Pillar	
Link Box	
Pit	
Duct with cross section	
Isolating Equipment	
Circuit Breaker	
Air Break Switch Disconnector	×
Fuses including Automatic Sectionalising Links (ASL) - closed	\$ \$
Fuses including Automatic Sectionalising Links (ASL) - open	89 89
Links – Closed	₿
Links - Open	\$ \$
Supply Point (Property)	
Supply Point (Other)	
Supply Point (Street Furniture)	
Schematic Connectors	
Blue Circle	
Green Square	



Inveralmond House, 200 Dunkeld Road, Perth PH1 3AQ. Sc13459, Sottish and Southern Electric Power Distribution Linket Registered in Scotland No. Sc23461, Sottish Hydro Electric Power Distribution Registered and No. Sc23461, Sottish Hydro Electric Power Distribution Registered and No. Sc23461, Sottish Hydro Electric Power Distribution Pic Registered on Scotland No. Sc23461, Sottish Hydro Electric Power Distribution Pic Registered on Scotland No. Sc23461, Sottish Hydro Electric Power Distribution Pic Registered on Scotland No. Sc23461, Sottish Hydro Electric Power Distribution Pic Registered on Scotland No. Sc23461, Sottish Hydro Electric Power Distribution Pic Registered on Scotland No. Sc23461, Sottish Hydro Electric Power Distribution Pic Registered on Scotland No. Sc23461, Sottish Hydro Electric Power Distribution Pic Registered on Scotland No. Sc23461, Sottish Hydro Electric Power Distribution Pic Registered on Scotland No. Sc23461, Sottish Hydro Electric Power Distribution Pic Registered on Scotland No. Sc23461, Sottish Hydro Electric Power Distribution Pic Registered on Scotland No. Sc23461, Sottish Hydro Electric Power Distribution Pic Registered on Scotland No. Sc23461, Sottish Hydro Electric Power Distribution Pic Registered on Scotland No. Sc23461, Sottish Hydro Electric Power Distribution Pic Registered on Scotland No. Sc23461, Sottish Hydro Electric Power Distribution Pic Registered on Scotland No. Sc23461, Sottish Hydro Electric Power Distribution Pic Registered on Scotland No. Sc23461, Sottish Hydro Electric Power Distribution Pic Registered on Scotland No. Scotland

	Electric Office (EO) Guide to Symbols		Applies to	
REF-NET-COM-011			Distribution	Transmission
			1	✓
Revision: 1.00	Classification: Public	Issue Date: April 2021	Review Date: April 2025	

Description	EO Symbol
Orange Triangle	
Joints	
Straight Joint	
Breech Joint, Pot End, Capped End	
Wall Box Joint, Trifurcating Joint, Sealing End, Pole Termination	

4 Revision History

No	Overview of Amendments	Previous Document	Revision	Authorisation
01	New Document Created	REF-PS-109	1.00	David Green
02				



Inveralmond House, 200 Dunkeld Road, Perth PH1 3AQ. Sc1345, Sottish and Southern Electricity Networks is a trading name of: Sottish and Southern Electricity Networks is a trading name of: Sottish and Southern Electricity Networks is a trading name of: Sottish and Southern Electricity Networks is a trading name of: Sottish and Southern Electricity Networks is a trading name of: Sottish and Southern Electricity Networks is a trading name of: Sottish and Southern Electricity Networks is a trading name of: Sottish and Southern Electricity Networks is a trading name of: Sottish and Southern Electricity Networks is a trading name of: Sottish and Southern Electricity Networks is a trading name of: Sottish and Southern Electricity Networks is a trading name of: Sottish and Southern Electricity Networks is a trading name of: Sottish and Southern Electricity Networks is a trading name of: Sottish and Southern Electricity Networks is a trading name of: Sottish and Southern Electricity Networks is a trading name of: Sottish and Southern Electricity Networks is a trading name of: Sottish and Southern Electricity Networks is a trading name of: Sottish and Southern Electricity Networks is a trading name of: Sottish and Southern Electricity Networks is a trading name of the SSE Sottish and Southern Electricity Networks is a trading name of the SSE Sottish and Southern Electricity Networks is a trading name of the SSE Sottish and Southern Electricity Networks is a trading name of the SSE Sottish and Southern Electricity Networks is a trading name of the SSE Sottish and Southern Electricity Networks is a trading name of the SSE Sottish and Southern Electricity Networks is a trading name of the SSE Sottish and Southern Electricity Networks is a trading name of the SSE Sottish and Southern Electricity Networks is a trading name of the SSE Sottish and Southern Electricity Networks is a trading name of the SSE Sottish and Southern Electricity Networks is a trading name of the SSE Sottish and Southern Electricity Networks is a tradin