



# ICE 2020/21 Action 4

## ICP/IDNO Interface: Documentation Pack

### Introduction

Our Independent Connection Providers (ICP's) have told us that technical specifications documentation and policies, made available through our SP Energy Networks website, are critical to their operations and informs the design and delivery of the connections they progress.

Recognising the importance of this critical resource, we have undertaken an independent review of our existing web platform and produced a documentation pack which provides a range of policies, procedures and specifications which will be useful when completing connection works.

This Includes:

- Design & Construction Guidance Documentation
  - Links available in each section which will redirect to the relevant document
- Supplementary SP Energy Networks Guidance Documents/Exerts
  - Links available in each section to request the relevant document

## Design & Construction Guidance Available on SP Energy Networks Website

Title	Reference	Issue No.	Issue Date	Review Date	Links
<b>Low Voltage Connection Arrangements</b>					
Framework for Design & Planning of LV Housing Developments, including Underground Networks and Associated HV/LV Substations	ESDD-02-012	7	Mar 19	Mar 24	To access this document, click <a href="#">here</a>
Specification for the Installation of Low Voltage Internal Mains and Services	CAB-03-032	4	Aug 19	Aug 22	To access this document, click <a href="#">here</a>
<b>Generation Connections</b>					
Technical Requirements for Export Limiting Schemes	ESDD-01-008	3	Nov 20	Nov 23	To access this document, click <a href="#">here</a>
<b>ICP/IDNO Information</b>					
Guidance for Self Determination of Point of Connection and Self Design Approval for Independent Connection Providers	ESDD-02-021	3	May 20	May 23	To access this document, click <a href="#">here</a>
Policy and Specification for the interface with Independent Distribution Network Operators Installations	SUB-02-013	5	Mar 19	Mar 22	To access this document, click <a href="#">here</a>
New Connections Independent Connection Provider (ICP) Approval Policy	ASSET-01-015	3	Jan 19	Jan 22	To access this document, click <a href="#">here</a>
Inspection and Monitoring of Networks Constructed by Independent Connection Providers	ASSET-04-020	6	Sep 17	Sep 20	To access this document, click <a href="#">here</a>
Recording of Electrical Assets by Contractors	BUPR-22-015	3	Aug 15	Aug 18	To access this document, click <a href="#">here</a>
<b>P283 Compliance</b>					
CT/VT Request and Test Results	QUAL-12-750	5	-	-	To access this document, click <a href="#">here</a>
<b>Fault Levels/ Equipment Ratings</b>					
Calculation of System Fault Levels	ESDD-02-006	3	Jul 17	Jul 22	To access this document, click <a href="#">here</a>
Equipment Ratings	ESDD-02-007	6	Dec 13	Dec 18	To access this document, click <a href="#">here</a>
Ratings and General Requirements for Plant and Apparatus for Connection to The Company's System	EPS-03-033	1	Aug 18	Aug 21	To access this document, click <a href="#">here</a>

## Design & Construction Guidance Available on SP Energy Networks Website - Continued

Title	Reference	Issue No.	Issue Date	Review Date	Links
<b>Earthing</b>					
Low Voltage Earthing Policy and Application Guide	EART-01-002	5	Sep 18	Sep 21	To access this document, click <a href="#">here</a>
Technical Specification for Earthing and Bonding at Secondary Substations	EART-03-003	1	Feb 20	Feb 25	To access this document, click <a href="#">here</a>
Technical Specification for Earthing and Bonding at Primary Substations	EART-03-004	1	Mar 20	Mar 25	To access this document, click <a href="#">here</a>
<b>Approved Equipment and Specifications</b>					
Approved Equipment Register	ER	2	Dec 20	-	To access this document, click <a href="#">here</a>
Approved Equipment Register - Site Specific Instruments and Legacy Miscellaneous Tools	TSE-06-001	31	Jun 20	Jun 25	To access this document, click <a href="#">here</a>
Approved Equipment Register – General Tooling	TSE-06-101	3	Jun 20	Jun 23	To access this document, click <a href="#">here</a>
Approved Equipment Register – Test Instruments	TSE-06-201	3	Aug 20	Aug 23	To access this document, click <a href="#">here</a>
Approved Equipment Register – Transformers	TRAN-06-001	7	Nov 20	Nov 23	To access this document, click <a href="#">here</a>
<b>Operational Authorisation</b>					
Authorisation Procedure	OPSAF-13-001	11	Dec 19	Dec 22	To access this document, click <a href="#">here</a>
<b>Connection Process</b>					
Process for LV and HV Connection Activities under SPEN and ICP's DSR's	CON-04-002	3	Nov 18	Nov 21	To access this document, click <a href="#">here</a>
RAAdAR Process for Phase Design Approvals	CON-04-003	3	Nov 20	Nov 23	To access this document, click <a href="#">here</a>
Register of Adopted Asset Requests (RAAdAR) for Contestable Unmetered Connection Projects	CON-04-004	4	Nov 18	Nov 21	To access this document, click <a href="#">here</a>
Register of Adopted Asset Requests (RAAdAR) for Contestable Connection Projects	CON-04-005	4	Nov 18	Nov 21	To access this document, click <a href="#">here</a>

## Design & Construction Guidance Available on SP Energy Networks Website - Continued

Title	Reference	Issue No.	Issue Date	Review Date	Links
<b>Connection Process</b>					
Project Completion Process for Contestable Works	CON-04-006	2	Aug 17	Aug 20	To access this document, click <a href="#">here</a>
Operating Regime for Contestable Network Construction on Greenfield Housing Sites	CON-04-007	2	Dec 17	Dec 20	To access this document, click <a href="#">here</a>
Register of Adopted Asset Requests (RAAdAR) for Self-Determined and Dual Offer Connection Projects	CON-04-009	3	Nov 18	Nov 21	To access this document, click <a href="#">here</a>
Process for Contestable 132kV Connection Projects	CON-04-010	1	Aug 19	Aug 22	To access this document, click <a href="#">here</a>
Declaration of Test Results; New LV Cable Installations 1ph + Mains	CON-09-001	2	Jan 15	Jan 18	To access this document, click <a href="#">here</a>
Completion Certificate for New Cable Installations	CON-09-002	2	Jan 15	Jan 18	To access this document, click <a href="#">here</a>
Entering / Exiting the Live Working Regime	CON-09-003	2	Jan 15	Jan 18	To access this document, click <a href="#">here</a>
Declaration of Test Results: New LV Cable Installations 3ph + Mains	CON-09-004	1	Jan 15	Jan 18	To access this document, click <a href="#">here</a>
Site Responsibility Agreement Template	CON-09-005	2	Jun 16	Jun 19	To access this document, click <a href="#">here</a>
Sample of a Completed Site Responsibility Agreement	CON-09-006	1	Jun 16	Jun 19	To access this document, click <a href="#">here</a>
Information for Meter Operators	EPS-02-004	4	Aug 18	Aug 21	To access this document, click <a href="#">here</a>
Installation and Record Framework for Low Voltage Housing Developments, Underground Networks and Associated New HV/LV Distribution Substations	EPS-02-005	3	Dec 19	Dec 22	To access this document, click <a href="#">here</a>
Installation and Record Framework for Industrial and Commercial Underground Connected Loads up to and Including 11kV	EPS-02-006	3	Dec 19	Dec 22	To access this document, click <a href="#">here</a>
Materials specification framework for Greenfield Low Voltage Housing estate	EPS-03-027	1	Aug 05	Aug 08	To access this document, click <a href="#">here</a>
Materials Specification Framework for Industrial and Commercial Underground Connected Loads up to and Including 11kV	EPS-03-031	3	Dec 19	Dec 22	To access this document, click <a href="#">here</a>

## Design & Construction Guidance Available on SP Energy Networks Website - Continued

Title	Reference	Issue No.	Issue Date	Review Date	Links
<b>Connection Process</b>					
Inspection and Testing of New Low Voltage Supplies	EPS-04-016	2	May 20	May 23	To access this document, click <a href="#">here</a>
Recording of Electrical Assets by Contractors	BURP-22-015	3	Aug 15	Aug 18	To access this document, click <a href="#">here</a>
<b>Substation Buildings and Enclosures</b>					
Substation Flood Resilience Policy	SUB-01-018	2	May 17	May 23	To access this document, click <a href="#">here</a>
General Specification of the Civil Engineering and Building Design and Construction of 275 and 400kV Substations	SUB-03-034	3	May 20	May 23	To access this document, click <a href="#">here</a>
General Specification for the Civil Engineering and Building Design and Construction of 132kV Grid Substations	SUB-03-026	1	May 20	May 23	To access this document, click <a href="#">here</a>
General Specification for the Civil Engineering and Building Design and Construction of Primary and 33kV Switching Substations	SUB-03-025	5	Feb 20	Feb 23	To access this document, click <a href="#">here</a>
Appendix 1 of General Specification for the Civil Engineering and Building Design and Construction of Primary and 33kV Switching Substations	SUB-03-025	-	Feb 20	-	To access this document, click <a href="#">here</a>
General Specification for the Civil Engineering and Building Design and Construction of Secondary Substations	SUB-03-017	4	Feb 20	Feb 23	To access this document, click <a href="#">here</a>
Appendix 1 of General Specification for the Civil Engineering and Building Design and Construction of Secondary Substations	SUB-03-017	-	Jul 18	-	To access this document, click <a href="#">here</a>
Specification for Prefabricated Glass Reinforced Plastic Enclosures	SUB-03-018	3	Feb 18	Feb 23	To access this document, click <a href="#">here</a>
<b>Substations</b>					
Secondary Substation Installation and Commissioning	SUB-02-006	6	Oct 14	Oct 19	To access this document, click <a href="#">here</a>
Electrical Insulation Testing of HV Equipment up to 33kV	SUB-02-613	2	Sep 13	Sep 23	To access this document, click <a href="#">here</a>
Electrical Insulation Testing of HV Equipment up to 33kV (Flow Chart)	SUB-02-613	2	-	-	To access this document, click <a href="#">here</a>
Auxiliary D.C. Power Supplies for Primary & Secondary Substations	BATT-03-001	9	Dec 16	Dec 21	To access this document, click <a href="#">here</a>

## Design & Construction Guidance Available on SP Energy Networks Website - Continued

Title	Reference	Issue No.	Issue Date	Review Date	Links
<b>Cables</b>					
Specification for the Installation of Low Voltage Internal Mains and Services	CAB-03-032	4	Aug 19	Aug 22	To access this document, click <a href="#">here</a>
Technical Specification for General Wiring Cables	CAB-03-036	4	Aug 20	Aug 23	To access this document, click <a href="#">here</a>
Requirements for Third Party LV Cable Jointing System	CAB-04-008	3	Nov 19	Nov 22	To access this document, click <a href="#">here</a>
Policy & Application guide for 11kV Polymeric Cables	CAB-04-009	4	Dec 17	Dec 27	To access this document, click <a href="#">here</a>
Handling and Installation of Cables up to and including 33kV	CAB-15-003	10	Mar 20	Mar 25	To access this document, click <a href="#">here</a>
<b>Overhead Lines</b>					
Specification for Construction of HV Overhead Lines up to 33kV on Wood Pole	OHL-03-099	3	Jul 17	Jul 20	To access this document, click <a href="#">here</a>
Application of Overhead Line Switchgear and Protection Systems	ESDD-02-011	3	Dec 18	Dec 23	To access this document, click <a href="#">here</a>

## Supplementary SP Energy Networks Guidance Documents - Exerts Available on Request

Title	Reference	Issue No.	Issue Date	Review Date	Links
<b>Design Philosophy</b>					
Design Philosophy & Principles	ESDD-01-001	7	Jan 19	Jan 24	To request this document, click <a href="#">here</a>
Design Manual Definitions	ESDD-01-004	2	May 17	May 20	To request this document, click <a href="#">here</a>
<b>Standards of Security of Supply</b>					
Standards of Security of Supply	ESDD-02-002	3	Jul 17	Jul 22	To request this document, click <a href="#">here</a>
<b>Low Voltage Connection Arrangements</b>					
Policy for Supplies to Mobile Phone Base Station Sites	EPS-01-005	5	Dec 17	Dec 20	To request this document, click <a href="#">here</a>
<b>Fault Levels/ Equipment Ratings</b>					
Assessment of Equipment Capability	ESDD-02-019	6	Dec 13	Dec 18	To request this document, click <a href="#">here</a>
<b>Higher Voltage Connection Arrangements</b>					
Standard High Voltage Connection Arrangements	ESDD-02-004	5	Jun 18	Jun 23	To request this document, click <a href="#">here</a>
<b>Generation Connections</b>					
Distributed Generation Connection Requirements	ESDD-01-005	3	Feb 18	Feb 23	To request this document, click <a href="#">here</a>
<b>Approved Equipment and Specifications</b>					
Metal Enclosed Switchgear up to 52kV	INS.50.42.06	3	Aug 19	-	To request this document, click <a href="#">here</a>
<b>QoS, System Voltages and Phase Relationships</b>					
Quality of Supply, System Voltages, and Voltage Regulation	ESDD-02-008	3	May 18	May 23	To request this document, click <a href="#">here</a>
<b>Diversions and Disconnection of Equipment</b>					
Policy for Disconnection and Removal of Company Equipment	EPS-04-002	7	Jul 20	Jul 23	To request this document, click <a href="#">here</a>