

MA-NET-OSM-001 Index	Operational Safety Manual Index – Distribution		Applies to	
			Distribution ✓	Transmission
Revision: 1.08	Classification: Public	Issue Date: Sept 2024	Review Date: Sept 2028	

	Name	Title
Author	N/A	Distribution SHE Team
Checked by	Jason Black	Head of Operational Safety
Approved by	Richard Gough	Designated Engineer

Section	Document Number	Title	Revision Number	Date
0		Index		
N/A	MA-NET-OSM-001 Index	Operational Safety Manual Index - Distribution	1.08	Sept 24
1		Distribution Operational Safety Rules		
1.1	PR-NET-OSM-006	Distribution Operational Safety Rules 2022	1.00	Mar 22
2		System Control		
2.1	PR-NET-OSM-008	General System Control Requirements	1.00	Mar 23
2.2	PR-NET-OSM-009	EHV System Planning – TO BE RECEIVED		
2.3	PR-NET-OSM-013	HV System Planning – TO BE RECEIVED		
2.4	PR-NET-OSM-014	Response to System Faults	1.00	Mar 23
2.5	PR-NET-OSM-015	System Reporting	2.00	Jul 24
2.6	PR-NET-OSM-016	Co-ordination of Work and Operations on the Low Voltage System	3.00	Dec 23
2.7	PR-NET-OSM-017	Switching Schedules and Switching Log Books	1.01	Jun 23
2.8	PR-NET-OSM-018	SPARE		
2.9	PR-NET-OSM-019	System Emergency Procedures	1.00	Mar 23
2.10	PR-NET-OSM-020	Manual Reclosing of High Voltage Circuits Post Trip, Sequence Operation and Lockout	1.01	Jul 23
2.11	PR-NET-OSM-021	Transfer of System Control Responsibilities	1.01	Jun 23
3		Operational Authorisation and Monitoring		
3.1	PR-NET-OSM-022	SPARE		
3.2	PR-NET-OSM-023	SPARE		
3.3	PR-NET-OSM-010	Erroneous Operations - Investigation, Reporting and Suspension of Operational Authorisation	2.01	Dec 23
4		System Operations		
4.1	PR-NET-OSM-025	General System Operating Arrangements	1.00	Mar 23

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4.2	PR-NET-OSM-026	High Voltage System Switching and Earthing	2.02	Feb 24
4.3	PR-NET-OSM-027	Low Voltage System Switching and Earthing	1.00	Mar 23
4.4	PR-NET-OSM-028	Switching Terminology and Approved Abbreviations	1.00	Mar 23
4.5	PR-NET-OSM-029	SPARE		
4.6	PR-NET-OSM-030	Identification of Apparatus	1.00	Mar 23
4.7	PR-NET-OSM-031	Interlocks and Adjustments of Switchgear Mechanisms	1.00	Mar 23
4.8	PR-NET-OSM-032	Pad-mounted Substations	1.00	Mar 23
4.9	PR-NET-OSM-033	Portable Earthing for Metal-Enclosed Switchgear	1.00	Mar 23
4.10	PR-NET-OSM-034	Operational Ratings of Switchgear	1.00	Mar 23
4.11	PR-NET-OSM-035	SPARE		
4.12	PR-NET-OSM-036	Automation Schemes and Devices	1.00	Mar 23
4.13	PR-NET-OSM-037	Management of Operational Restrictions	1.00	Mar 23
4.14	PR-NET-OSM-038	SPARE		
5				
		Operational Documents and Keys		
5.1	PR-NET-OSM-039	SPARE		
5.2	PR-NET-OSM-040	Use and Completion of Operational Documents	1.01	Jun 23
5.2.1	FO-NET-OSM-006	Safety Rules Declaration	1.00	Mar 23
5.3	PR-NET-OSM-041	Lost Operational Documents and Keys	1.00	Mar 23
5.4	PR-NET-OSM-042	Management of Operational Keys	1.00	Mar 23
5.4.1	FO-NET-OSM-008	Operational Key Requests	1.00	Mar 23
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		Access and Work in Substation and Switching Sites		
6.1	PR-NET-OSM-043	Access to Substations and Switching Sites	1.00	Mar 23
6.1.1	WI-NET-OSM-014	SSEN Transmission Site Login Process for SSEN-D Staff	1.00	Mar 23
6.2	PR-NET-OSM-011	Management of Work or Testing in Substations with Exposed Live Busbars and/or Gas Insulated Apparatus.	2.00	Mar 23
6.3	PR-NET-OSM-045	Work on High Voltage Plant and Apparatus	1.00	Mar 23
6.4	PR-NET-OSM-046	Safety Files, Logbooks and Noticeboards in Grid and Primary Substations	1.00	Mar 23
6.5	PR-NET-OSM-047	Void Substations	1.00	Mar 23
6.6	PR-NET-OSM-048	Restoration of Energy Sources	1.00	Mar 23
6.7	PR-NET-OSM-049	SPARE		

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6.8	PR-NET-OSM-050	Access to and Operation of Plant and Apparatus containing SF6 Gas	1.01	Jun 23
6.9	PR-NET-OSM-051	Neutral Earthing Equipment	1.00	Mar 23
6.10	PR-NET-OSM-052	Battery Systems	1.00	Mar 23
6.11	PR-NET-OSM-053	Work in Ancillary Cubicles	1.00	Mar 23
6.12	PR-NET-OSM-054	Depleted Substation Earthing Systems	1.00	Mar 23
6.13	PR-NET-OSM-055	Telecoms Work in Substations and Switching Sites	1.00	Mar 23
6.14	PR-NET-OSM-056	Management of Faults in Substations and Switching Sites	1.00	Mar 23
7		Access and Work on High Voltage Overhead Lines		
7.1	PR-NET-OSM-058	Management of Work and Access to Poles	1.02	Feb 24
7.2	PR-NET-OSM-059	Management of Work and Access to Towers	1.00	Mar 23
7.3	PR-NET-OSM-060	Management of Telecoms Work on Overhead Lines	1.00	Mar 23
7.4	PR-NET-OSM-061	Management of Faults on High Voltage Overhead Lines	1.00	Mar 23
7.5	PR-NET-OSM-012	Scaffold and Conductor Support Systems for Live Overhead Line Crossings	2.00	Mar 23
7.6	PR-NET-OSM-102	Work on Earth wires of Dual Circuit Steel Tower Lines with One Circuit Live and in Service – TO BE RECEIVED		
7.7	PR-NET-OSM-101	Management of Induced Voltages on Steel Tower Lines Operating at 33kV and above Including Pole Lines Operating at 132kV and Above	1.02	Jan 24
7.7.1	FO-NET-OSM-101	Earthing Schedule	1.01	Dec 23
7.7.2	FO-NET-OSM-005	Additional Earthing Declaration Form	1.01	Dec 23
7.7.3	REF-NET-OSM-101	Approved Earthing Schemes for Tower Lines at 33kV and Above	1.02	Mar 24
8		Access and Work on High Voltage Underground Cables		
8.1	PR-NET-OSM-062	Access and Work on High Voltage Underground Cables	1.01	Jun 23
8.2	PR-NET-OSM-063	Access and Work on High Voltage Underground Cable Ancillary Systems	1.00	Mar 23
8.3	PR-NET-OSM-064	Management of Faults on High Voltage Underground Cables	1.00	Mar 23
9		High Voltage System Testing		
9.1	PR-NET-OSM-065	Testing of High Voltage Apparatus	1.02	Dec 23
10		Low Voltage System Work and Testing		

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10.1	PR-NET-OSM-066	General Requirements for Work on the Low Voltage System	1.01	Feb 24
10.2	PR-NET-OSM-067	Work on Damaged or Faulty Low Voltage Cables	1.00	Mar 23
10.3	PR-NET-OSM-068	Identification of Low Voltage Cables	1.00	Mar 23
10.4	PR-NET-OSM-069	Testing at Low Voltage Supply Points	1.00	Mar 23
10.5	PR-NET-OSM-070	Management of Faults on the Low Voltage System	1.00	Mar 23
10.6	PR-NET-OSM-071	Management of Neutral Faults on the Low Voltage System	1.00	Mar 23
11		Use of Mobile Generators		
11.1	PR-NET-OSM-072	Use of Low Voltage Mobile Generators	1.00	Mar 23
11.2	PR-NET-OSM-073	Use of High Voltage Mobile Generators	1.00	Mar 23
12		Public Safety		
12.1	PR-NET-OSM-074	Public Safety Strategy – TO BE RECEIVED		
12.1.1	FO-NET-OSM-001	Annual Action Plan – TO BE RECEIVED		
12.2	PR-NET-OSM-075	Ensuring Public Safety Whilst Operating or Working on the System	1.00	Mar 23
12.3	PR-NET-OSM-076	Response to Unauthorised Access to Overhead Structures and Operational Premises, and Emergency Rescue Procedures	1.00	Mar 23
12.4	PR-NET-OSM-077	Third-Party Work near the System	1.00	Mar 23
12.4.1	WI-NET-OSM-007	Third Party Work Near Substations and Switching Stations	1.00	Mar 23
12.4.2	WI-NET-OSM-008	Third Party Work Near Underground Cables – TO BE RECEIVED		
12.4.3	WI-NET-OSM-009	Third Party Work Near Overhead Lines – TO BE RECEIVED		
12.4.4	WI-NET-OSM-010	Issue and Recording of Safety Intervention Notices	1.00	Mar 23
12.4.4.1	FO-NET-OSM-007	Safety Intervention Notice	1.00	Mar 23
12.5		SPARE		
12.6		SPARE		
12.7	PR-NET-OSM-078	Reporting Requirements for Electricity, Safety, Quality, and Continuity Regulations	1.00	Mar 23
12.8	PR-NET-OSM-079	Operational Response to Flooding Events	1.00	Mar 23
12.9	PR-NET-OSM-080	Reporting and Investigation of Asset Failures – TO BE RECEIVED		
12.10	PR-NET-OSM-081	Response to Low Conductor Reports	1.00	Mar 23
12.11	PR-NET-OSM-082	Fire Fighting Operations at Overhead Structures and Operational Premises	1.00	Mar 23

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13		Interface with Third Party Systems		
13.1	PR-NET-OSM-083	Management of Activities at Low Voltage Supply Point Interfaces	1.00	Mar 23
13.2	PR-NET-OSM-084	Management of Activities at the Interface with Un-metered Supply Points	1.00	Mar 23
13.3	PR-NET-OSM-085	Working with Independent Connection Providers	1.00	Mar 23
13.4	PR-NET-OSM-086	Management of Activities at the Interface with Independent Distribution Network Operators	1.01	Jun 23
13.5	PR-NET-OSM-087	Management of Activities at the Interface with High Voltage Customers	1.00	Mar 23
13.6	PR-NET-OSM-088	Management of Interface Activities - Distribution Code	1.00	Mar 23
13.7	PR-NET-OSM-089	Management of Interface Activities - Grid Code	1.00	Mar 23
14		Equipment and Apparatus Operating Instructions		
TBC	TBC	TBC		
15		Management of HV Live Line Working Activities on the System		
15.1	PR-NET-OSM-099	Management of Live Working Activities on the High Voltage System	2.00	Sep 24
15.1.1	FO-NET-OSM-010	Live Line Technical Audit Form	1.00	Sep 24
15.1.2	FO-NET-OSM-011	Tailboard Conference Sheet	1.00	Sep 24
15.1.3	FO-NET-OSM-012	Live Line Monitoring Check Form	1.00	Sep 24
15.1.4	FO-NET-OSM-013	Justification for HV Live Line Working	1.00	Sep 24
		General information and Guidance for HV Live Line Working Activities on the System		
15.2.1	WI-NET-OSM-015	Precautions Before and During Work	1.00	Sep 24
15.2.2	WI-NET-OSM-016	Stick and Pole Working Clearances	1.00	Sep 24
15.2.3	WI-NET-OSM-017	Rubber Glove Working and Clearances to Points of Contact	1.00	Sep 24
15.2.4	WI-NET-OSM-018	Rubber Glove Shrouding Methods	1.00	Sep 24
15.2.5	WI-NET-OSM-019	Mobile Elevated Work Platforms (MEWPs)	1.00	Sep 24
15.2.6	WI-NET-OSM-020	Hydraulic Equipment	1.00	Sep 24
15.2.7	WI-NET-OSM-021	Equipment Suppliers	1.00	Sep 24
15.2.8	WI-NET-OSM-022	Tools and Equipment Electrical Testing Levels and Standards	1.00	Sep 24
15.2.9	WI-NET-OSM-023	Making and Breaking Live High Voltage Connections	1.00	Sep 24
15.2.10	WI-NET-OSM-024	Historic Conductor Weights for North Business Area Only	1.00	Sep 24
		Testing and Care of HV Live Line Working Equipment		

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15.3.1	WI-NET-OSM-025	Use and Care of Live Line Sticks and Hollow Operating Rods	1.00	Sep 24
15.3.2	WI-NET-OSM-026	Routine Testing of IAD and Rubber Glove Insulating Equipment	1.00	Sep 24
15.3.3	WI-NET-OSM-027	Use and Care of Rubber Equipment	1.00	Sep 24
15.3.4	WI-NET-OSM-028	Routine Care and Cleaning of the Insulated Aerial Device	1.00	Sep 24
15.3.5	WI-NET-OSM-029	Inspection and Maintenance of Insulated Aerial Devices	1.00	Sep 24
15.3.6	WI-NET-OSM-030	Inspection of Break-Safe 300 Before Use	1.00	Sep 24
15.3.7	WI-NET-OSM-031	Pole Mounted Transformer Commissioning Tests	1.00	Sep 24
15.3.8	WI-NET-OSM-032	Approved Live Line Tool Cleansers	1.00	Sep 24
		HV Live Line Stick Working Instructions		
15.4.1	WI-NET-OSM-033	Stick Working 1 - Installation of Flying / In Line Section	1.00	Sep 24
15.4.2	WI-NET-OSM-034	Stick Working 2 – Connection of an Underslung Switch, PMCB, HV Fuses or ASL's	1.00	Sep 24
15.4.3	WI-NET-OSM-035	Stick Working 3 – Connection of a Cable Termination, PMT or T-off / Tapping Crossarms	1.00	Sep 24
15.4.4	WI-NET-OSM-036	Stick Working 4 – Disconnecting and Reconnecting Flexible Jumpers at Tapping and In-Line Sections Poles	1.00	Sep 24
15.4.5	WI-NET-OSM-037	Stick Working 5 – Disconnecting Flexible Jumpers at Plant Poles	1.00	Sep 24
15.4.6	WI-NET-OSM-038	Stick Working 6 – Disconnection and Reconnection of Overhead Line Section or Flying/In Line Section Jumpers	1.00	Sep 24
15.4.7	WI-NET-OSM-039	Stick Working 7 -Disconnection and Reconnection of Cable Termination or Tapping / T-Off	1.00	Sep 24
15.4.8	WI-NET-OSM-040	Stick Working 8 – Maintenance, Replacement or Dismantlement of Underslung Switch, PMCB, HV Fuses or ASL's	1.00	Sep 24
15.4.9	WI-NET-OSM-041	Stick Working 9 – Maintenance, Replacement or Dismantlement of a Pole Mounted Transformer	1.00	Sep 24
15.4.10	WI-NET-OSM-042	Stick Working 10 – Contact Cleaning and Lubrication of a Masthead Switch, Underslung Switch, HV Fuses or ASL's	1.00	Sep 24
15.4.11	WI-NET-OSM-043	Stick Working 11 – Application and Removal of Temporary Flexible Bypass Jumpers	1.00	Sep 24
15.4.12	WI-NET-OSM-044	Stick Working 12 - Using the Cut and Park Method during Live Line Working	1.00	Sep 24
15.4.13	WI-NET-OSM-045	Stick Working 13 - Using the Cut and Remove Method during Live Line Working	1.00	Sep 24
15.4.14	WI-NET-OSM-046	Stick Working 14 – Mirror or Camera Inspection	1.00	Sep 24
15.4.15	WI-NET-OSM-047	Stick Working 15 – Fitting Bird Flight Diverters	1.00	Sep 24
15.4.16	WI-NET-OSM-048	Stick Working 16 – Fit and Remove Data Collection Devices	1.00	Sep 24
15.4.17	WI-NET-OSM-049	Stick Working 17 – Removal of Debris from Live Overhead Lines	1.00	Sep 24

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15.4.18	WI-NET-OSM-050	Stick Working 18 - Tree Trimming	1.00	Sep 24
15.4.19	WI-NET-OSM-051	Stick Working 19 - Replacing a Broken Stay or Erecting Bog / Wind Stays	1.00	Sep 24
		HV Live Line Glove Working Instructions		
15.5.1	WI-NET-OSM-052	Glove Working 1 – Installation of Flying / In Line Section	1.00	Sep 24
15.5.2	WI-NET-OSM-053	Glove Working 2 – Jumper Connection of an Underslung Switch, PMCB, HV Fuses or ASL's	1.00	Sep 24
15.5.3	WI-NET-OSM-054	Glove Working 3 – Jumper Connection of a Cable Termination, PMT or T-off / Tapping Crossarms	1.00	Sep 24
15.5.4	WI-NET-OSM-055	Glove Working 4 – Jumper Disconnection and Reconnection at Overhead Line Section or Flying / in line Section Jumpers	1.00	Sep 24
15.5.5	WI-NET-OSM-056	Glove Working 5 – Jumper Disconnection and Reconnection of Narrow Construction BLX/BLL Jumpers	1.00	Sep 24
15.5.6	WI-NET-OSM-057	Glove Working 6 – Disconnection and Reconnection of Cable Termination or, Tapping / T-Off	1.00	Sep 24
15.5.7	WI-NET-OSM-058	Glove Working 7 – Maintenance, Replacement or Dismantlement of Underslung Switch, PMCB, HV Fuses or ASL's	1.00	Sep 24
15.5.8	WI-NET-OSM-059	Glove Working 8 – Maintenance, Replacement or Dismantlement of a Pole Mounted Transformer	1.00	Sep 24
15.5.9	WI-NET-OSM-060	Glove Working 9 – Jumper Disconnection and Reconnection using One-man Method	1.00	Sep 24
15.5.10	WI-NET-OSM-061	Glove Working 10 – Disconnecting and Reconnecting Jumpers using the Break-Safe Load Break and Pick-up Tool	1.00	Sep 24
15.5.11	WI-NET-OSM-062	Glove Working 11 – Live Working Maintenance of a Masthead Switch, Underslung Switch, PMCB, HV Fuses or ASL's	1.00	Sep 24
15.5.12	WI-NET-OSM-063	Glove Working 12 – Dismantlement or Maintenance Work on a Masthead Switch	1.00	Sep 24
15.5.14	WI-NET-OSM-064	Glove Working 14 – Fitting Vibration Dampers to BLX/BLL Conductors	1.00	Sep 24
15.5.15	WI-NET-OSM-065	Glove Working 15 – Installation of Conductor Risers	1.00	Sep 24
15.5.16	WI-NET-OSM-066	Glove Working 16 – Intermediate Pole Change – Flat to Flat Construction	1.00	Sep 24
15.5.17	WI-NET-OSM-067	Glove Working 17 – Intermediate Pole Change – Triangular Construction	1.00	Sep 24
15.5.18	WI-NET-OSM-068	Glove Working 18 – Replacement of Pin Insulator	1.00	Sep 24
15.5.19	WI-NET-OSM-069	Glove Working 19 – Replacement of Intermediate Cross Arm using an Auxilliary Crossarm	1.00	Sep 24
15.5.20	WI-NET-OSM-070	Glove Working 20 – Regulation of Conductors, Removal of Flying/in-line Section and Minor Conductor Repairs	1.00	Sep 24
15.5.21	WI-NET-OSM-071	Glove Working 21 – Replacement of Tension Insulator	1.00	Sep 24

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15.5.22	WI-NET-OSM-072	Glove Working 22 – Replacement of Surge Arresters	1.00	Sep 24
15.5.23	WI-NET-OSM-073	Glove Working 23 – Installation of Surge Arresters onto Transformer Poles	1.00	Sep 24
15.5.24	WI-NET-OSM-074	Glove Working 24 – Minor Works in Isolation	1.00	Sep 24
15.5.25	WI-NET-OSM-075	Glove Working 25 – Fitting Bird Flight Diverter	1.00	Sep 24
15.5.26	WI-NET-OSM-076	Glove Working 26 – Tree Trimming	1.00	Sep 24
15.5.27	WI-NET-OSM-077	Glove Working 27 – Replacing a Stay	1.00	Sep 24
		HV Live Line Pole Erection and Pole Plumbing Work Instructions		
15.6.1	WI-NET-OSM-078	Pole Work 1 – Pole Erection below or between Live High Voltage Conductors	1.00	Sep 24
15.6.1	WI-NET-OSM-079	Pole Work 2 – Re-aligning (plumbing) Live Single Intermediate HV Poles	1.00	Sep 24
		Assurance		
15.7	TBA	TBA	TBA	TBA
16		HVDC Systems		
16.1	PR-NET-OSM-103	High Voltage Direct Current Converter Systems (HVDC) - Generic Operating Principles	1.00	Mar 23

Revision History

No	Overview of Amendments	Previous Document	Revision	Authorisation
01	New document created	n/a	1.00	Richard Gough
02	PR-NET-OSM-017; PR-NET-OSM-21; PR-NET-OSM-26; PR-NET-OSM-040; PR-NET-OSM-050; PR-NET-OSM-058; PR-NET-OSM-062; PR-NET-OSM-065; PR-NET-OSM-086 revised	MA-NET-OSM-001 Index (Rev1.00)	1.01	Richard Gough
03	Update to PR-NET-OSM-020	MA-NET-OSM-001 Index (Rev1.01)	1.02	Richard Gough
04	Updates to: PR-NET-OSM-016; PR-NET-OSM-026; PR-NET-OSM-058; FO -NET-OSM-101; FO-NET-OSM-005; PR-NET-OSM-065; PR-NET-OSM-066; FO-NET-OSM-007;	MA-NET-OSM-001 Index (Rev1.02)	1.03	Richard Gough
05	Updates to: REF-NET-OSM-101; PR-NET-OSM-101	MA-NET-OSM-001 Index (Rev1.03)	1.04	Richard Gough
06	Updates to PR-NET-OSM-041; and PR-NET-OSM-041	MA-NET-OSM-001 Index (Rev1.04)	1.05	Richard Gough
07	Update to PR-NET-OSM-026	MA-NET-OSM-001 Index (Rev1.05)	1.06	Richard Gough
08	Update to PR-NET-OSM-058	MA-NET-OSM-001 Index (Rev1.06)	1.07	Richard Gough

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09	Update to Section 15 to include all documents required for the new section update	MA-NET-OSM-001 Index (Rev1.07)	1.08	Richard Gough
10				