

# Policy Update Newsletter

January 2019





## January 2019

Ref	Issue	Title
ES 352	7	Design Of Distribution Substations And Transforming Points
CP 333	4	Earthing Design for 6.6/11kV Substations
CP 335	2	Earthing Design for 132kv,33kV & 33/11/6.6kV Earthing Design for primary substations and Equipment
EPD 332	2	EPD332 Customer Installation Earthing
EPD 333	2	EPD333 Supply System Earthing
ES 333	2	Earthing Design for 11/6.6kV Distribution Substations and Equipment - Guidance for ICPs and IDNOs
CP423	25	Linesman's Manual – Live Line
CP608	13	Paralleling Matrices
EPD 283	9	LV Network Design
ES 400 S14	2	Temporary Shorting Kits for Cable Ends (Conductor to Neutral and Conductor to Earth)
CP430 Part 1	25	Linesman's Manual – Woodpole Dead

ES352		Design Of Distribution Substations And Transforming Points
Summary	Section 1	Clarify roles of ICP and IDNO
	Section 4	Update dates of Statutory Legislation.
	Section 5.1.5	Change of Statutory body. SEAP now CPNI.
	Section 7.2	Change of specification of fill material.
	Section 7.3.2	Revised fencing specification.
	Section 7.4	Minor change to drainage connection.
	Section 7.6	Weed membrane amended.
	Section 9.	Oil Containment strategy clarified.
	Section 11.3	Requirement for Fire Risk assessment.
Appendix D	Standard civil drawings updated.	

CP333	Earthing Design for 6.6/11kV Substation
CP335	Earthing Design for 132kv,33kV & 33/11/6.6kV Earthing Design for primary substations and Equipment
EPD332	EPD332 Customer Installation Earthing
EPD333	EPD333 Supply System Earthing
ES333	Earthing Design for 11/6.6kV Distribution Substations and Equipment – Guidance for ICPs and IDNOs

Summary	<p><b>Description.</b> Major re-write in line with updates to EREC S34 and ENATS 41-24, and also EN 50522. Detailed guidance has been provided to ensure Hot sites are safe. Concept of Global Earthing System introduced to allow connection of urban substations with minimal design effort. A tiered design approach is described to facilitate the minimum design effort required to produce safe installations, avoiding bespoke designs where possible.</p> <p><b>Reason for Change.</b> The existing policy relied on a simple ‘1 ohm’ rule which was found to be inappropriate in many instances. The policy did not provide sufficient guidance for achieving safe designs at Hot sites. Too much design effort was required for routine installations where a standard design would suffice. More detail was required to explain site ground resistivity measurement techniques. General updates are required following changes to national policy such as ENATS 41-24.</p>
---------	---

CP423	Linesman’s Manual – Live Line Working
Summary	Prelim updated to Issue 12. Contents updated to Issue 11. Foreword updated to Issue 6. Procedure 08-27 and Module 660 updated to Issue 6 (various changes as marked).

EPD 283	LV Network Design
Summary	<p><b>Description.</b> The policy has been relaxed to allow more looped services to remain in service. Also, alternative configurations have been proposed which should allow the majority of underground works to be carried out within the curtilage of the customer initiating the need to un-loop regardless of whether they are the master or slave service.</p> <p><b>Reason for change.</b> There have been practical difficulties in un-looping services, particularly in obtaining cooperation from the next door neighbour.</p>

ES 400 S14	Temporary Shorting Kits for Cable Ends
Summary	<p><b>Description.</b> Kits have been revised to consolidate range – 2 kits for multicore and 2 kits for single core cables up to 33kV. The latest template has been applied and the document has been updated to the latest editorial standard. Because of the amount of change, revision marks have not been used.</p> <p><b>Reason for change.</b> The Kits are being mis-used and incorrect components in others. Range of cables not fully covered.</p>

**CP430 Part 1      Linesman's Manual – Woodpole Dead**

Summary	Working at height modules (250 and 255) have been completely revised
---------	--

**CP608                      Paralleling Matrices**

Summary	Revisions to Manchester, Ashton and Preston Matrices
---------	--

Full copies of all up-to-date policies and procedures can be found on [the ENWL Website](#)