Policy Newsletter
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Policy updates

SP Electricity North West

Major policy updates

Ref	Issue	Title
CP411 Pt 1N	Contents of Manual – Iss_23	LV Cable Jointing Manual
ES400 C14	Iss_9	132kV Cables with XLPE Insulation
ES400 S14	Iss_5	Shorting and Storage Caps for De-Energised Cable Ends

Minor policy updates

Ref	Issue	Title
ES348	Iss_6	Surge Arresters

Major policy updates

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CP411 Pt1N – LV Cable Jointing Manual

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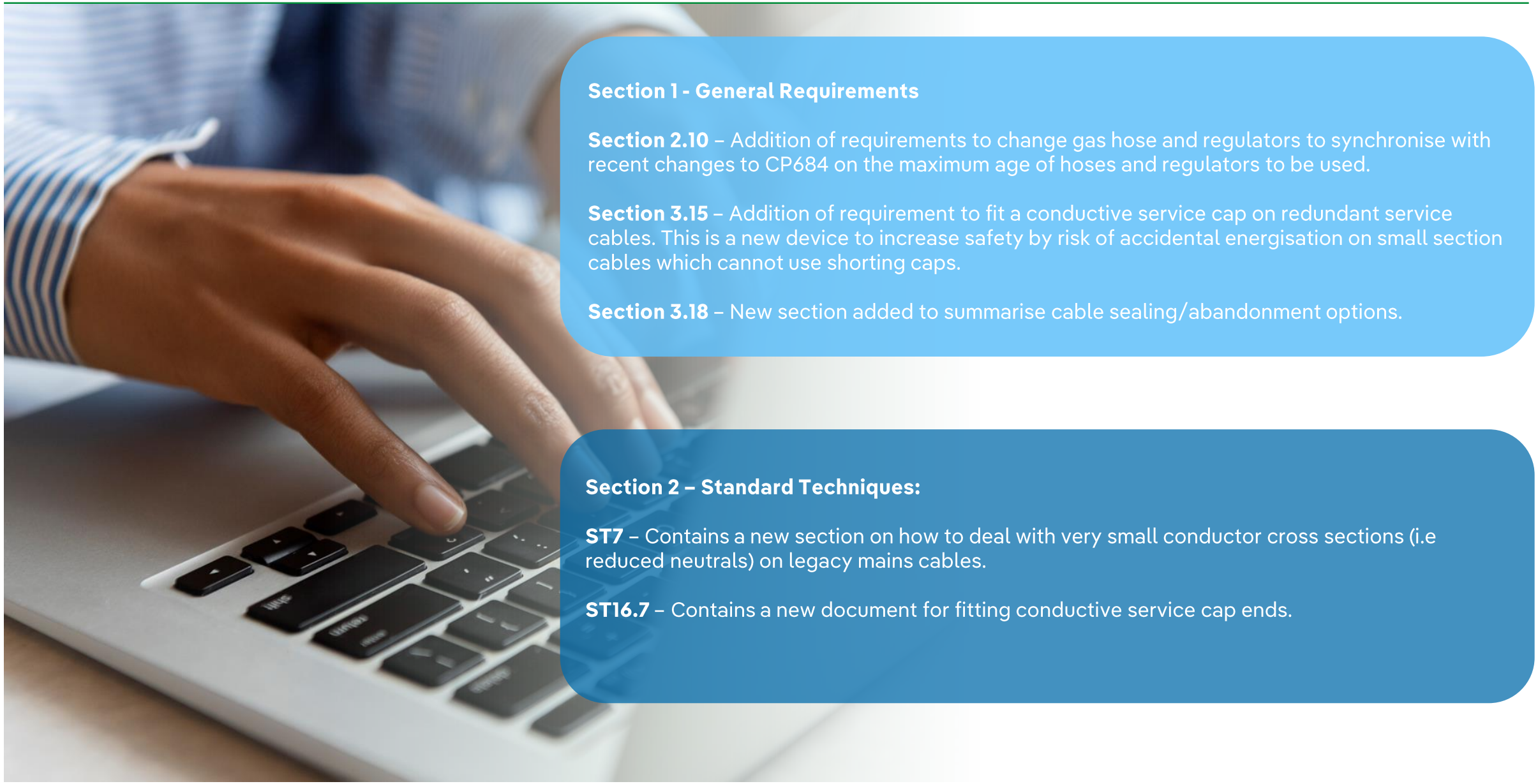

Section 1 - General Requirements

Section 2.10 – Addition of requirements to change gas hose and regulators to synchronise with recent changes to CP684 on the maximum age of hoses and regulators to be used.

Section 3.15 – Addition of requirement to fit a conductive service cap on redundant service cables. This is a new device to increase safety by risk of accidental energisation on small section cables which cannot use shorting caps.

Section 3.18 – New section added to summarise cable sealing/abandonment options.

Section 2 – Standard Techniques:

ST7 – Contains a new section on how to deal with very small conductor cross sections (i.e reduced neutrals) on legacy mains cables.

ST16.7 – Contains a new document for fitting conductive service cap ends.

ES400 C14 – 132kV Cables with XLPE Insulation

Previously, there was no defined starting temperature for the conductor, and no starting or final temperatures for the metallic screens during a short circuit.

Different manufacturers would use slightly different assumptions in their calculations, e.g. screen at 75ºC rising to 200ºC , or 80-200ºC, based on theory of non-adiabatic heat loss.

Stating precise starting and final temperatures ensures all offers received for cables from ICP's or framework suppliers can be evaluated using the same basis for their calculation of the metallic screen/sheath area .

To ensure we can directly compare the designs from different manufacturers, the criteria for starting and final temperatures has been added to the relevant parts of the Appendix B – Schedule of Technical Particulars.

39	Conductor short circuit current carrying capacity for one second. Cable conductor temperature of 90ºC, before short circuit and final conductor temperature of 250ºC		kA
40	Metallic sheath/screen short circuit current carrying capacity **for one second**. Cable metallic sheath/screen temperature of 80ºC, before short circuit and final temperature on metallic sheath of 250ºC		kA
41	Metallic sheath/screen short circuit current carrying capacity **for two seconds**. Cable metallic sheath/screen temperature of 80ºC, before short circuit and final temperature on metallic sheath of 250ºC		kA

Circuit policy updates

ES400 S14 – Specification for Shorting and Storage Caps for De-energised Cables	New Section 6.3 on Conductive Service Cable Caps added. (Conductive Service Cap Ends are new product designed to seal ends of LV service cables which are not connected to the system.)

Minor policy updates

ES348 – Surge Arresters

Document converted into new template and standards updated to latest versions.