The following table lists the high level summary of changes between the current requirements as set out in CoP4 Issue 5 (v4.0) and those set out in the new draft version of CoP4 Issue 5 (v4.1) as recommended by the CoP4 Review Group and ELEXON:

High Level Requirement	CoP4 Issue 5 (v4.0)	CoP4 Issue 5 (v4.1)
	Current Requirement(s)	New Requirement(s)
		Three types of Calibration (Type A - initial, Type B - periodic, Type C - periodic; like Type A but not necessarily at reference conditions i.e. in a laboratory).
Calibration of Meters	Initial Calibration - Calibrate (in lab/test house) before installation; overall uncertainty calculated using NAMAS directive NIS3003 (> 95% confidence); overall accuracy within limits in Tables 1 (active + uncertainty) and 3 (reactive + uncertainty)	Initial Calibration - Calibrate under reference conditions before installation at test points given in Appendix B1/B2; measured errors not to exceed those in Appendix C (accuracy tables - active and reactive) with measurement uncertainties as stated in Appendix D (measurement uncertainty on and off site, active and reactive); seal immediately after Calibration before leaving lab/test house
	Periodic Testing (lab for Class 0.2S, otherwise can be on-site):	Periodic Calibration:
	(i) Calibration - calibrate Electromechanical Meters (<10 yrs), specific types more frequently; Calibrate Electronic Meters (evenly phased schedule for each Meter type on-circuit. Over 10 year	All Meters at intervals depending on applicable CoP - Appendix A:
	period at least 20% of the total of such type of Meter). MOA must	CoP1 and 2 Type A at yr 0;
	calibrate at least one Meter of each type in any 5 yr period.	Type B by yr 5 and Type B by yr10; or Type C by yr 10 and Type C by yr 20.
	(ii) On-site Accuracy Tests - in addition to calibrating Meters	
	carry out on-site accuracy tests. Electromechanical - Class 0.5 (on	CoP3 and 5 Type A at yr 0;
	site <5 yrs). No testing required for other types. Electronic - if	Type B by yr 15 and Type C by yr 20.
	main and check Meters (CoP1, 2 and 3) are of same manufacturer	
	and type test Active Energy Meters (< 5yrs and for Reactive	
	Energy Meters, 10 yrs). No testing if of different manufacturer or	

High Level Requirement	CoP4 Issue 5 (v4.0)	CoP4 Issue 5 (v4.1)
	Current Requirement(s)	New Requirement(s)
	type. CoP5 test at intervals not exceeding 10 yrs. Where only a main Reactive Energy Meter (<10 yrs).	
		Sample Calibration - new (installed from 5yrs prior to CoP4 effective date) Meter Types - 1% after yr 8
		Cut-over period - Applies to CoP 1 and 2 and only if the Meter was installed more than 5yrs before new CoP4 effective date.
		Other Checks - Check voltage failure alarms (if not integral to Meter) when calibrating Meter (Type B and C)
Calibration of Measurement Transformers	Initial Calibration - calibrate prior to initial installation	Initial Calibration - calibrate prior to installation to demonstrate compliance with applicable BS EN standards; Calibrate multi ratio Voltage Transformers (VT) and Current Transformers (CT) for all ratios
i ansionners	Periodic Testing - VTs with no voltage monitoring/alarm facility burden test for fuse faults every 6 months	Periodic Calibration - no periodic Calibrations required; check voltage monitor/alarm (if not integral with Meter) when on site for CoP4 testing (Type B and C Calibrations)

High Level Requirement	CoP4 Issue 5 (v4.0)	CoP4 Issue 5 (v4.1)
	Current Requirement(s)	New Requirement(s)
	Reference Standard - Maintain at appropriate Reference Temperature (RT) within +/- 2 C; Calibrate (< 24 months); Technical Assurance Agent (TAA) may permit intervals to be increased; CT and VT Standards (< 5 yrs).	Reference Standards – effects of temperature variations shall be allowed for in uncertainty budget or maintain at RT +/- 2 C; apply to BSCCo for extensions to Calibration intervals
Calibration of Standards	AC/DC Transfer Standards - Maintain at RT +/- 2 C; Calibrate (< 24 months); TAA may permit intervals up to 5 years by submitting records; Calibrate against Reference Standard prior to use or if records show negligible deviation then interval can be up to 6 months; Notify BSCCo if out of spec	AC/DC Transfer Standards - Amalgamated with AC Transfer Standards under Transfer Standards. See below:
	AC Transfer Standards - need not be maintained at a given temperature as long as accuracy requirements of CoP4 Issue 5 v4.0 met; need not be verified at an Accredited lab provided they are calibrated against a Reference or AC/DC Transfer Standard at monthly intervals or TAA can allow increase to 6 months (with evidence); calibrate before and after use for on site calibrations; interval between use and re-calibration (< 1 week); notify TAA within 3 WD if out of spec	Transfer Standards – effects of temp variation shall be accounted for in uncertainty budget; verify at intervals (< 6 months); apply to BSCCo for extensions (< 12 months); notify BSCCo promptly if out of spec
	Working Standards - need not be maintained at RT as long as accuracy requirements of CoP4 Issue 5 v4.0 met; need not be verified at an Accredited lab if Calibrated against a Reference or Transfer Standard at monthly intervals or TAA can allow increase (< 6 months) by submitting records; notify TAA within 3 WD if out of spec	Working Standards – verify at 3 monthly intervals; apply to BSCCo for extension (up to 6 months); notify BSCCo promptly if out of spec

High Level Requirement	CoP4 Issue 5 (v4.0)	CoP4 Issue 5 (v4.1)
	Current Requirement(s)	New Requirement(s)
	Standards - permanent signed records with overall accuracy and uncertainty of measurement	Standards - traceable record of each Calibration of Standards (including overall accuracy and uncertainty of measurement statement); all certificates for new Calibration equipment (brought into use after CoP4 effective date) must be produced using verifiable Standards; uncertainty determined according to UKAS but suitable method may be used as agreed by BSCCo
Records	Meter Certificates - initial calibrations provided with record which is traceable to manufacturer or lab/test house; permanent signed record	Meter Certificates - traceable certificates of conformance or actual errors from Calibration; must identify serial no., name of testing body, location of Calibrations and date concluded (if none, use date of manufacture), means of identifying equipment used and person responsible for Calibration; overall uncertainty required; where additional Calibration points used, measurement uncertainty covering all measurement points; hard copy or electronic un-editable format; missing Type A records can be replaced by Type C record; CoP3, 5, 6, 7 keep latest set, CoP1, 2 keep all
	Measurement Transformers - permanent signed records; test certificate, wherever possible and economic, showing they comply with accuracy class; test certificates for new or replacement measurement transformers shall detail burden conditions during test	Measurement Transformers - traceable, complete with statements of measurement uncertainty covering all test points; 'existing installed can use error on national measurement transformer error statement to calculate overall uncertainty; for 'existing installed', Parties can apply to BSCCo in regards inspection of certificates
	Commissioning Record - provide evidence to Panel or TAA that	Commissioning Record - provide evidence to BSCCo that

High Level Requirement	CoP4 Issue 5 (v4.0)	CoP4 Issue 5 (v4.1)
	Current Requirement(s)	New Requirement(s)
	Metering Equipment meets requirements of Code and relevant CoPs (evidence must include a signed and dated commissioning record); record reason why primary injection test not carried out; record Meter/Outstation (s) values - one half hour minimum	Metering Equipment meets requirements of Code and relevant CoPs (evidence must be traceable and dated); minimum requirements (where applicable) for contents of certificate defined
Commissioning	Commissioning - Commissioning programme for all new Metering Equipment (ME); if replacement ME fitted commissioning programme covering changes. Expected tests and checks provided in Appendix A	Commissioning - Commissioning programme for all new Metering Equipment (ME); if replacement ME fitted commissioning programme covering changes. List provided for Commissioning tests which need to be confirmed and recorded. Appendix F added for guidance containing tests and checks
	Sealing - Seal after completing Commissioning	Sealing - Seal in accordance with relevant BSCP
	Validation - after Commissioning register Meter Technical Details in Settlement and carry out a Proving Test defined in the relevant BSCP	Proving - Perform Proving Test in accordance with any relevant BSCP

High Level Requirement	CoP4 Issue 5 (v4.0)	CoP4 Issue 5 (v4.1)
	Current Requirement(s)	New Requirement(s)
Reports	Periodic Testing - Results of periodic calibrations shall be sent to TAA; TAA to advise Panel of need to revise requirements	Periodic Calibrations - Annual Report (detailing no. Calibrated, age since last Calibration plus no. outside limits) to BSCCo for Type B and C Calibrations Sample Calibrations - Annual Report (detailing no. sampled per Meter type, time since initial Calibration, whether within limits plus no. outside limits
References/Definitions	References - BSC, NAMAS, Electricity Act and BS5750	References - NAMAS updated to UKAS, BS 5750 updated to BS EN ISO 9001 (Quality management systems), new standard added for competence of Calibration labs (BS EN ISO/IEC 17025), new BS EN Standards for Meters/Current Transformers/Voltage Transformers added and reference to the Meter Operator Code of Practice Agreement (MOCoPA) inserted.
	Definitions - definitions relevant at time and to document listed	Definitions - new definitions added, irrelevant ones removed, some definitions expanded and others made more general