

Change Proposal – F40/01	CP No: 984 Version No: 2.0
Title <i>(mandatory by originator)</i> Addition of Processes in BSCP515 to update the National Measurement Transformer Error Statement.	
Description of Problem/Issue <i>(mandatory by originator)</i> <p>Section L 2.5.3 (a) of the Balancing and Settlement Code requires the provision of measurement transformer test certificates detailing measurement errors to be maintained and produced in the event of a Technical Assurance Audit. The requirement for the provision of these certificates from Licensed Distribution System Operators (LDSOs) has often proved difficult to fulfil. Test data has therefore been collected to produce generic certificates; however these are specific to the LDSO area and equipment type. The data and therefore generic certificates produced have been approved by either the Pool Trading Stage 2 committee (TS2) or the Supplier Volume Allocation Group (SVG). Generic CT and VT test certificates provide the Technical Assurance Agent (TAA) with confidence in the equipment used for Settlement purposes where a generic certificate exists for the equipment in question.</p> <p>To further aid in the provision of a generic certificate by LDSOs, it was proposed that the generic certificates were extended nationally, where the LDSO had given permission for the certificates for their data to be used nationally, to form a National Measurement Transformer Error Statement. At its meeting on 3 June 2003 (SVG/28/380), the Supplier Volume Allocation Group (SVG) approved the creation of a National Measurement Transformer Error Statement. The National Measurement Transformer Error Statement has been generated from data provided by a number of LDSOs who have given permission for this data to be used nationally. A procedure should now be put in place to Maintain the National Measurement Transformer Error Statement as required.</p>	
Proposed Solution(s) <i>(mandatory by originator)</i> <p>The proposed solution includes the addition of two new processes contained within BSCP515 'Licensed Distribution', for the addition of measurement transformers to the error statement and the removal of measurement transformers from the error statement as they become redundant or inaccurate. New appendices to BSCP515 are also proposed to further explain the processes and to give a standard form for submitting data for the addition of measurement transformers to the error statement. The details of these proposals are included in Appendix 1: Changes proposed to BSCP515 Licensed Distribution and Appendix 2: Form for the submission of CT or VT data for addition to the National Measurement Transformer Error Statement.</p> <p>It is proposed that a minimum sample size of 50 CTs or VTs errors are provided for BSCCo analysis for a proposed addition to the National Measurement Transformer Error Statement. It is also proposed that provided a minimum of 98% of the samples ratio errors are less than or equal to the class, little extra analysis will need to be undertaken and the CT or VT will either be approved or presented to the panel, delegated to the Supplier Volume Allocation Group (SVG) for approval at the discretion of BSCCo. If the sample provided does not meet this criteria, it is proposed that further analysis is undertaken by BSCCo and the results of this further analysis are presented to the panel (SVG).</p>	

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Justification for Change <i>(mandatory by originator)</i>	
<p>There are currently approximately 1800 outstanding category 2 non-compliances (i.e. Non-compliances which are deemed to have the potential to affect the quality of data for Settlement purposes) relating to the failure to provide the Technical Assurance Agent (TAA) with a measurement transformer test certificate. The approval by SVG of the National Measurement Transformer Error Statement has resolved a number of these non-compliances. Furthermore, the implementation of CP794 'Removal of the requirement for CT certificates for LV CTs' will resolve more of these non-compliances. CP794 has been approved by the relevant committee and is awaiting implementation. The proposed Implementation Date for this CP is November 2003. However there is not sufficient data in the National Measurement Transformer Error Statement to resolve all non-compliances and CP794 only covers LV CTs at class 0.5 or better. As more data is provided to the National Measurement Transformer Error Statement, more non-compliances can be resolved. The addition of processes in BSCP515 will allow the maintenance of data in the National Measurement Transformer Error Statement.</p>	
Configurable Items Potentially Affected by Proposed Solution(s) <i>(optional by originator)</i>	
<p>BSCP26 Technical Assurance of Metering Systems for Central Volume Allocation BSCP526 Technical Assurance of Half hourly Metering Systems for Supplier Volume Allocation</p>	
Impact on Core Industry Documents <i>(optional by originator)</i>	
None	
Related Changes and/or Projects <i>(mandatory by BSCCo)</i>	
CP794 Removal of the requirement for CT certificates for LV CTs	
Requested Implementation Date <i>(mandatory by originator)</i>	
The next available release.	
Reason:	
The sooner this process can be put in place, the sooner data can be provided by LDSOs to increase the number of measurement transformers on the error statement and therefore the more non-compliances can be resolved.	
Agreed Release/Implementation Date <i>(mandatory by BSCCo)</i>	

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<p><i>Originator's Details:</i></p> <p><i>BCA Name Katie Key</i></p> <p><i>Organisation ELEXON</i></p> <p><i>Email Address Katie-Ann.Key@ELEXON.co.uk</i></p> <p><i>Date 9 July 2003</i></p>	
<p>Attachments: Y (No. of Pages attached: 7)</p> <p>Appendix 1: Changes proposed to BSCP515 Licensed Distribution</p> <p>Appendix 2: Form for the submission of CT or VT data for addition to the National Measurement Transformer Error Statement</p>	

Proposed changes to BSCP515 Licensed Distribution

The following should be added to BSCP515:

1.6.1 Acronyms

Add 'TAA' – 'Technical Assurance Agent'

Add 'CT' – 'Current Transformer'

Add 'VT' – 'Voltage Transformer'

1.6.2 Definitions

Add 'National Measurement Transformer Error Statement' – 'A list of Current Transformer and Voltage Transformer types which have been approved as an agreed list of national Generic Measurement Transformer Errors. This list can be used by the TAA to replace the Measurement Transformer Test Certificate where no Measurement Transformer Test Certificate exists.'

2 Workflow Diagrams

Update these in line with the additions proposed for section 3.

3 Interface and Timetable Information

Add the following:

3.10 Update of the National Measurement Transformer Error Statement ¹

3.10.1 Addition to the National Measurement Transformer Error Statement

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.10.1.1	As required	Submit a minimum sample of 50 CT or VT errors obtained from CTs or VTs that have been recently removed from circuit.	LDSO	BSCCo	Details of: Equipment Type (HV CT / LV CT / VT) Ratio (Tested) Manufacturer Class Rating (VA) Test Point (Load percentage) Ratio Error and Phase Angle Error at Rated Burden and Test Burden The spreadsheet form contained in Appendix 4.4.1 shall be used for the submission of this data.	Email spreadsheet
3.10.1.2	Within 20WD of 3.10.1.1	Analyse Data and prepare a report and recommendations to the panel if required	BSCCo		See Appendix 4.4.2 Go to 3.10.1.5 if panel approval not required	Internal Process

¹ The National Measurement Transformer Error Statement is available, on request from BSCCo.

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.10.1.3	If required by appendix 4.4.2 and to meet Panel requirements	Prepare report and recommendations to the Panel.	BSCCo	Panel	Report and recommendations	Email
3.10.1.4	At Panel Meeting	Review report and approve or reject submission	Panel		Report and recommendations	Internal Process
3.10.1.5	Within 5WD of 3.10.1.2 or 3.10.1.4	Notify whether the CT or VT data has been approved	BSCCo	LDSO		Email / Fax
3.10.1.6	At the same time as 3.10.1.5	Update the National Measurement Transformer Error Statement	BSCCo			Internal Process
3.10.1.7	At the same time as 3.10.1.5	Notify TAA of new generic CT / VT errors.	BSCCo	TAA		Email / Fax

3.10.2 Removal of Data from the National Measurement Transformer Error Statement

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.10.2.1	As required	Request that data is removed from the National Measurement Transformer Error Statement stating reason for removal.	LDSO / TAA	BSCCo	Equipment Type Ratio Manufacturer Class Rating / VA Explanation of why the CT or VT should be removed from the National Measurement Transformer Error Statement	Email / Fax
3.10.2.2	Within 10WD of 3.10.2.1	Analyse the explanation of why the CT or VT should be removed from the National Measurement Transformer Error Statement	BSCCo			Internal Process
3.10.2.3	Within 5WD of 3.10.2.2	Notify of whether the request to remove the CT or VT has been successful.	BSCCo	LDSO / TAA		Email / Fax
3.10.2.4	If the request has been successful and within 5WD of 3.10.2.3	Update National Measurement Transformer Error Statement	BSCCo			Internal Process
3.10.2.5	At the same time as 3.10.2.4	Notify TAA of new generic CT / VT errors.	BSCCo	TAA		Email / Fax

4 Appendices

Add the following:

Appendix 4.4 Update the National Measurement Transformer Error Statement

Appendix 4.4.1 CT or VT Error Data Form

This document is contained in file reference BSCP515_APPX041

Title 'Form for the submission of CT or VT Error data for addition to the National Measurement Transformer Error Statement'

Date '[Date of Implementation of this Change Proposal]'

Appendix 4.4.2 Analysis of CT or VT Data by BSCCo

4.4.2.1 CT Data

BSCCo will firstly look at the ratio error compared to the class of the CT sample for all Test Point and Burdens. If, for each Test Point and Burden, a minimum of 98% of the ratio errors are less than or equal to the class, then the CT will either be approved or the results will be presented to the panel for approval, at the discretion of BSCCo. For any set of CT data which does not meet these requirements and where the applicant wishes to proceed, BSCCo will undertake further analysis of the data and present the results of this further analysis to the Panel for approval if appropriate.

4.4.2.1 VT Data

BSCCo will firstly look at the ratio error compared to the class of the VT sample for each Test Point at rated voltage. If, for each Test Point, a minimum of 98% of the ratio errors are less than or equal to the class, then the VT will either be approved or the results will be presented to the panel for approval, at the discretion of BSCCo. For any set of VT data which does not meet these requirements, and where the applicant wishes to proceed, BSCCo will undertake further analysis on the data and present the results of this further analysis to the Panel for approval if appropriate.

Appendix 2

Form for the submission of CT or VT Error data for addition to the National Measurement Transformer Error Statement

Note that if this Change Proposal, with this form, is approved for implementation, this form will be contained within an Excel Spreadsheet for ease of completion and submission and have file reference BSCP515_APPX041.

This table shall be used to collate CT test results

Equipment Type:	
Ratio:	
Manufacturer:	
Class:	
Rating / VA:	
Sample Size:	

High Load Point 100 or 120 % Rated Current				
Serial Number	High / Rated Burden		Low / Working Burden	
	Ratio Error %	Phase Error (Mins)	Ratio Error %	Phase Error (Mins)

Middle Load Point 20 to 50 % Rated Current				
Serial Number	High / Rated Burden		Low / Working Burden	
	Ratio Error %	Phase Error (Mins)	Ratio Error %	Phase Error (Mins)

Low Load Point 5 % Rated Current				
Serial Number	High / Rated Burden		Low / Working Burden	
	Ratio Error %	Phase Error (Mins)	Ratio Error %	Phase Error (Mins)

This table shall be used to collate VT test results

Equipment Type:	
Ratio:	
Manufacturer:	
Class:	
Rating / VA:	
Sample Size:	

At Rated voltage				
Serial Number	High / Rated Burden		Low / Working Burden	
	Ratio Error %	Phase Error (Mins)	Ratio Error %	Phase Error (Mins)