
Meeting name	Imbalance Settlement Group
Date of meeting	27 January 2009
Paper title	Change Proposal Progression
Purpose of paper	For Decision
Synopsis	This paper presents 1 Change Proposal (CP) that has been progressed in accordance with BSCP40 'Change Management', and requests agreement on their progression. This paper also provides details of the status of all Open Draft Change Proposals (DCPs) and Change Proposals (CPs).

1 Introduction

- 1.1 This paper presents 1 Change Proposal (CP) to the Imbalance Settlement Group (ISG) to consider and agree its progression. ELEXON has assessed the CP, and Parties/Party Agents have impact assessed the change via Change Proposal Circular (CPC) 00650. In light of these assessments ELEXON invites the ISG to decide whether to approve or reject the CP.

2 Summary of Change Proposal for Progression

2.1 CP1265 – Technical Assurance Documentation Changes Following Review

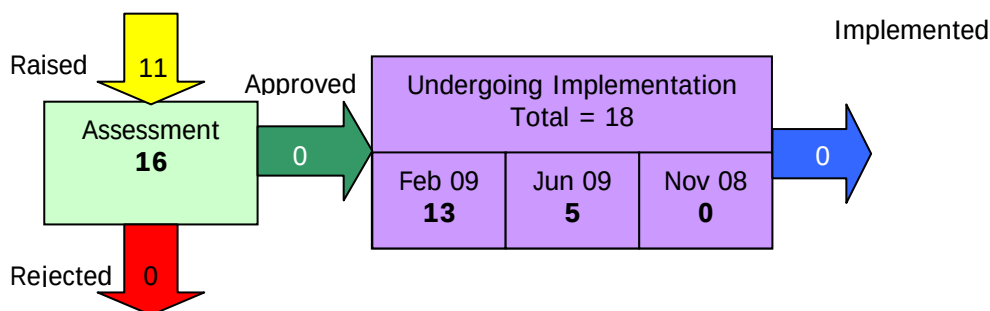
- 2.1.1 In April 2007 we awarded C & C Group Holdings Ltd ('C & C Group') the contract for the role of Technical Assurance Agent; previously Logica performed this role. We reviewed the TAA-related documents and identified changes required to reflect that C & C Group now provides the TAA service and to ensure current TAA activities and obligations are accurately documented.
- 2.1.2 When issued for Industry Impact Assessment, we received 13 responses, of which 10 agreed and 3 were neutral. One respondent identified a couple of minor typos in the redlining of the CVA and SVA TAA Service Descriptions, which ELEXON agrees should be amended.
- 2.1.3 Another respondent noted BSCP27 refers to Performance Assurance Parties, and this seems to suggest LDSOs may be responsible for rectification. Following discussion the respondent agreed that this issue does not impact CP1265. ELEXON is taking action separately to clarify and address the query. There is no impact on CP1265 due to this comment.
- 2.1.4 ELEXON's recommendation is that the ISG:
- agree to the minor amendments to the redlined text of the CVA TAA Service Description; and
 - approve CP1265 for inclusion in the June 2009 Release; and
 - note that CP1265 will also be presented to the Performance Assurance Board (PAB) and Supplier Volume Allocation Group (SVG) for approval.

2.2 Implementation Cost

	Demand Led (BSC Agent)	ELEXON Operational		Total		Impacts
	Cost	Man Days	Cost	Cost	Tolerance	
CP1265	£870	4.5	£990	£1,860	10%	CVA TAA Service Description, SVA TAA Service Description, CVA Data Catalogue, CVA Data Catalogue Annex A, BSCP27, BSCP535, NETA IDD Part 1, NETA IDD Part 2

3 Summary of Open Change Proposals

3.1 There are currently **34** open CPs, ISG own **2** CPs, **10** CPs are co-owned by the ISG and Supplier Volume Allocation Group (SVG), and SVG own the remaining 22 CPs. 11 new CPs have been raised since the last ISG meeting. Details of the new CPs are provided in Appendix 2 on page 8.



Please note:

- The numbers in the boxes indicate current number of CPs in a given phase.
- The numbers in arrows show the variance in the past month.

3.2 There is currently **1** open DCP, which ELEXON has raised since the previous meeting. Details of the new DCP are provided in Appendix 2 on page 8.

4 Recommendations

4.1 The ISG is invited to;

- AGREE** the suggested amendments to the CVA TAA Service Descriptions;
- APPROVE** CP1265 for inclusion in the June 2009 Release;
- NOTE** that we will also present CP1265 to the PAB on 29 January 2009 and SVG on 3 February 2009 for a decision on progression; and
- NOTE** the status of all open Draft Change Proposals and Change Proposals.

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ELEXON Change Delivery

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Attachment B – CP1265 – CVA TAA Service Description v5.0 redlined v0.2

Attachment C – CP1265 – CVA Data Catalogue v17.0 redlined v0.2

Attachment D – CP1265 – CVA Data Catalogue Annex A v17.0 redlined v0.2

Attachment E – CP1265 – BSCP27 v9.0 redlined v0.2

Attachment F – CP1265 – BSCP535 v8.0 redlined v0.2

Attachment G - CP1265 – IDD Part 1 v22 redlined v0.2

Attachment H – CP1265 - IDD Part 2 v22 redlined v0.2

Appendix 1 – Detailed Analysis of CP1265 - Technical Assurance Documentation Changes Following Review

1 Introduction

- 1.1 ELEXON raised CP1265 'Technical Assurance Documentation Changes Following Review' on 27 November 2008.
- 1.2 In April 2007 we awarded C & C Group Holdings Ltd ('C & C Group') the contract for the role of Technical Assurance Agent; previously Logica performed this role. We reviewed the TAA-related documents and identified changes required to reflect that C & C Group now provides the TAA service and to ensure current TAA activities and obligations are accurately documented.

2 CP1265 Solution

- 2.1 CP1265 proposes changes to the following documents:
- TAA SVA Service Description;
 - TAA CVA Service Description;
 - BSCP27 'Technical Assurance of Half Hourly Metering Systems for Settlement Purposes';
 - BSCP535 'Technical Assurance';
 - CVA Data Catalogue and CVA Data Catalogue Annex A ; and
 - NETA Interface Definition and Design (IDD) Parts 1 and 2.
- 2.2 The proposed redlined document changes (as issued for Impact Assessment) are available in attachments A to H.
- 2.3 Some minor consequential changes will be required to the CDCA URS and CRA URS due to the changes proposed to the IDD. These changes are not provided as redlined attachments (they relate to Category 2 Configurable items).

3 Impact on Service Providers

- 3.1 Logica has drafted the necessary IDD and URS changes and would need to implement these changes. The estimated Logica implementation cost is £870.
- 3.2 There is no impact on C & C Group.

4 Impact on ELEXON

- 4.1 Approximately 4.5 days ELEXON effort would be required to implement the document changes required by CP1265. This equates to an estimated implementation cost of £990. There would be no ongoing ELEXON operational costs as a result of CP1265.

5 Participant Impact Assessment

- 5.1 We issued CP1265 for participant impact assessment on Thursday 27 November 2008 as part of CPC00650. 13 responses were received of which, 10 agreed and 3 were neutral (no respondents disagreed with the proposed changes).

- 5.2 No respondents identified any impacts except document-only changes. No respondents identified any required lead-time for implementation of CP1265. No process or system impacts were identified by respondents.
- 5.3 One respondent noted BSCP27 refers to Performance Assurance Parties, and this seems to suggest LDSOs may be responsible for rectification. Following discussion the respondent agreed that this issue does not impact CP1265. ELEXON is taking action separately to clarify and address the query. There is no impact on CP1265 due to this comment.
- 5.4 Another respondent identified some minor typographical errors in the CP1265 redlining for the SVA and CVA TAA Service Descriptions. ELEXON recommends that the ISG approve minor changes to rectify these errors. Details of the suggested changes are included in the 'comments on redline text' table below.

6 Recommendation

- 6.1 ELEXON's recommendation, based upon the justification stated in the CP1265 form (consistency between TAA-related documents, the Code and the TAA service; consistency in Logica services, systems and guidance documentation; optimised effectiveness of TAA documents) and the agreement of CP1265 by impact assessment respondents, is to:
- Agree the proposed minor amendments to the redline text changes for the CVA TAA Service Description;
 - Approve CP1265 for inclusion in the June 2009 Systems Release; and
 - Note that CP1265 will also be presented to the PAB on 29 January 2009 and SVG on 3 February 2009 for a decision on progression.

IA Summary for CP1265 - Technical Assurance Documentation Changes Following Review

IA History CPC number	CPC00650	Impacts	TAA SVA Service Description; TAA CVA Service Description; BSCP27; BSCP535; CVA Data Catalogue ; CVA Data Catalogue Annex A ; NETA Interface Definition and Design (IDD) Parts 1 and 2; CDCA URS; and CRA URS.	
Organisation	Capacity which Organisation operates in		Agreement (✓/X)	Days Required to Implement
EDF Energy	Supplier, NHH Agent and HH MOP		Yes	0
Scottish Power	Supplier, LDSO, HHDA, NHHDA, HHDC, NHHDC, HHMOA, NHHMOA		Yes	0
NPower Limited	Supplier, Supplier Agents		Yes	-
TMA Data Management Ltd	HHDC, HHDA and NHHDA		Yes	-
Scottish and Southern Energy	Supplier/Generator/ Trader / Party Agent / Distributor		Yes	-
E.ON UK Energy Services Limited	NHHDC-DA NHHMO HHMO		Yes	-
Western Power Distribution	Distributor & MOA		Yes	-
E.ON	Supplier		Yes	-
Electricity North West Ltd	LDSO		Yes	0
British Energy	Supplier; Generator; Trader; CVA MOA		Yes	-
AccuRead	NHHDC / NHHDA / NHHNOA / HHMOA		Neutral	
CE ELECTRIC	LDSO, UMSO		Neutral	-
Independent Power Networks Limited	LDSO, UMSO, SMRA		Neutral	-

Impact Assessment Responses

Organisation	Agree (✓/X)	Comments	Impact (✓/X)	ELEXON Response
Scottish Power	Yes	Impact: Documentation Changes Only	Yes	Noted – no action required.
TMA Data Management Ltd	Yes	Comments: There is no impact on TMA's systems or procedures as the changes proposed reflect the existing processes in place, introduced by the new TAA agent C&C in 2007.	-	Noted – no action required.
E.ON UK Energy Services Limited	Yes	Comments: The changes identified will not have a significant impact on our activities as the changes reflect current practice.	No	Noted – no action required.

Organisation	Agree (✓/X)	Comments	Impact (✓/X)	ELEXON Response
Electricity North West Ltd	Yes	Impact: Housekeeping Change – no direct impact on Systems and Processes Implementation: No system and process impacts	No	Noted – no action required.

6.2 Comments on Redline text

No.	Organisation	Document	Location	Comments	ELEXON Recommendation
1	NPower Limited	Attachment A	Section 1.15 3.1.4	BSCP27 now references Performance Assurance Parties and seems to suggest that the LDSO may be responsible for some of the rectification - is this the case, how will this work in practice, and will it now be possible for the TAA to raise a NC against a LDSO?	Discussed this comment with the respondent and agreed that this does not impact CP1265. Action taken to clarify and address the query separately. No action required for CP1265.
2	TMA Data Management Ltd	SVA TAA Service Description	3.1.4	Replace notificationd by notification	Agree – propose that 5 th bullet point amended to 'Reminder notification to Parties'.
3	TMA Data Management Ltd	CVA TAA Service Description	3.1.5	Replace notificationd by notification	Agree – propose that 5 th bullet point amended to 'Reminder notification to Parties'.

Appendix 2 – New Draft Change Proposals and Change Proposals

New Draft Change Proposal

DCP	CVA/SVA	Title	Description	Raised
0040	SVA and CVA	Means of Submitting MTDs to the TAA	The purpose of this DCP is to consult upon two potential solutions to provide an alternative means of submitting Meter Technical Details (MTDs) to the Technical Assurance Agent (TAA). The two solutions put forward are: 1. The TAA receiving MTDs via the D0268 'Half Hourly Meter Technical Details' flow received through the Data Transfer Network (DTN). This option requires changes to Market Domain Data (MDD), TAAMT, BSCP27 and the Data Transfer Catalogue (DTC); or 2. The TAA receiving MTDs via a D0268 flow received via email. This option requires changes to MDD, TAAMT and BSCP27, but the DTC is not impacted.	09/01/09

New Change Proposals

CP	CVA/SVA	Title	Description	Raised
1268	CVA	Publication of new Funds Administration Agent (FAA) Service Description	ELEXON raised CP1268, which aims to gain approval for a new version of the FAA Service Description (SD). We have updated the SD to ensure that the SD accurately and clearly reflects the requirements on the FAA. The new version does not introduce any changes to requirements.	09/01/09
1269	SVA	Publication of Additional NHH Combination Data in Market Domain Data	ELEXON raised CP1269 on behalf of the MDD Expert Group. CP1269 proposes publishing additional NHH Combination Data in MDD, aiming to provide Suppliers with a single, up-to-date source of valid combination data for use in their registration processes. This should make the process of registering Metering Systems in SMRS more efficient, facilitating the smooth operation of the retail market, and competition in supply.	09/01/09

CP	CVA/SVA	Title	Description	Raised
1270	SVA	Amendments to BSCP509 following an expert group review of the Market Domain Data process	ELEXON raised CP1270 on behalf of the MDD Expert Group. The MDD Expert Group identified a number of issues in the MDD process and developed solutions. CP1270 proposes amendments to sections in BSCP509 and BSCP509 Appendix: MDD Entity Change Request Forms.	09/01/09
1271	SVA	Market Domain Data Review and Approval Process: Proposed Timetable for SVG meetings	ELEXON raised CP1271 on behalf of the MDD Expert Group. The key dates (e.g. the Change Request deadline and SVAA Impact Assessment) in the current MDD process are derived from monthly PAB dates. CP1271 suggests that these dates are calculated from the monthly SVG dates instead. CP1271 would also allow for a 'fast track' option, where newly qualified market participants can submit their MDD changes closer to the SVG meeting date, but still in time to be sent to the SVG for advance review and a decision made at the SVG meeting.	09/01/09
1272	SVA	Use of Appointment and Termination Flows in Unmetered Supplies (UMS)	ELEXON raised CP1272, which proposes to remove the requirement in BSCP520 for Suppliers to send D0155, D0148 and D0151 flows to UMSOs, because the necessary appointment data should have already been entered into SMRS by the Supplier, and so should be available to the UMSO. This option would remove the onus on the Supplier to send the flow to the UMSOs. CP1272 also seeks to include a requirement in BSCP501 for the LDSO to notify the UMSO of any appointment related changes associated with Unmetered Supply. CP1272 looks to remove inefficient processes and replace them with practical solutions that will align with current working practice.	09/01/09
1273	SVA and CVA	Changes to the scope of CoP10 to cover current transformer operated Meters	E.ON raised CP1273, which proposes widening the scope of CoP10. CoP10 would include CT operated Meters. This would allow Registrants have the choice of installing a less expensive CoP10 Meter where they envisage a site's demand remaining below the mandatory HH threshold (100kW), despite requiring CT metering. Alternatively, the Registrant could chose to install a more expensive CoP5 Meter (or above), to meet the requirements for mandatory HH metering should the site's demand exceed the mandatory HH threshold in the future.	08/12/08

CP	CVA/SVA	Title	Description	Raised
1274	SVA	Transfer of Meter Technical Details	SSE raised CP1274 on behalf of the Advanced Metering Expert Group, who have developed it as part of the Advanced Metering Operational Framework: Profile Classes 5 to 8. The purpose of the framework is to facilitate effective market operation and interoperability for Profile Classes 5 to 8. This change will facilitate interoperability on a Change of Supplier where the new Supplier wishes to appoint new agents as the agents will be able to read the meter only if they have the required communications and password information.	19/12/08
1275	SVA and CVA	Supplier Agents - Access to Meter Protocols	ELEXON raised CP1275 on behalf of the Advanced Metering Expert Group, who have developed it as part of the Advanced Metering Operational Framework for Profile Classes 5 to 8. This change will facilitate interoperability on a Change of Supplier where the new Supplier wishes to appoint new agents by enabling the agents' access to the meter protocol.	09/01/09
1276	SVA	Process following the Installation of Small Scale Third Party Generating Plant (Alternative to CP1260 'Meter Investigation Process where a Site is Capable of Exporting (microgeneration)')	Npower raised CP1276. CP1276 takes CP1260 'Meter Investigation Process where a Site is capable of Exporting (microgeneration)' as its starting point and uses it to develop a process that enables Import Suppliers to take the most appropriate course of action on receipt of a D0001 from an LDSO informing them that a site is capable of exporting. Unlike CP1260, this Change Proposal is not proposing to mandate Suppliers to carry out an investigation to determine whether the Meter has a backstop if they are already aware that the Meter at site has a backstop. In addition to this it allows flexibility for Suppliers/Meter Operator Agents to maintain current or agree new contractual arrangements.	30/12/08
1277	SVA	Change to UMS Charge Code Approval Process	SSE raised CP1277, which proposes to incorporate the UMS Charge Code application process within the scope of MDD. ELEXON would construct Charge Codes in consultation with industry experts (where appropriate). We would use the Market Domain Data Change process (as detailed in BSCP509 'Changes to Market Domain Data') as a means for informing/consulting with the industry on the changes and seeking feedback on impacts. This would include an Impact Assessment which goes out to the industry (including Distributors) as they are the ones most affected by Unmetered equipment. The final stage is approval by the SVG (already part of the BSCP509 process). CP1277 aims to reduce the length of time taken for UMS Charge Codes to be approved.	31/12/08

CP	CVA/SVA	Title	Description	Raised
1278	SVA and CVA	Streamlining of BSCP507(Supplier Volume Allocation Standing Data)	ELEXON raised CP1278, which recommends that BSCP507 is modified, so that the processes and forms currently used to notify changes to Standing Data are only used upon a new Supplier's entry into the market. CP1278 would redesign Form BSCP507/01A to show exactly which information is required at the start-up stage, and to allow all the information to be entered into a single form.	09/01/09

Appendix 3 – Release Information

Key to Release Plan

Change Proposals and Modification Proposals in **BLACK** text represents SVA changes, **RED** text represents CVA changes and **BLUE** text represents changes which impact both the SVA and CVA arrangements.

The Authority decision dates are provided in the following format:	
P	Modification Proposal number
(< date)	Date by which a determination must be made by the Authority in order for the Modification Proposal to be implemented within the indicated release
Pro✓/Pro✗	Indicates that the Panel's recommendation to the Authority was to Approve/Reject the proposed Modification
Alt✓/Alt✗	Indicates that the Panel's recommendation to the Authority was to Approve/Reject the Alternative Modification

		Release Date			
		February 2009 Scope (Imp. Date 26 Feb 09)	June 2009 Scope (Imp. Date 25 Jun 09)	November 2009 Scope (Imp. Date 05 Nov 09)	Standalone Releases
Change Proposals	Pending		1248, 1260, 1265, 1266, 1267, 1268, 1270, 1271, 1272, 1273, 1274, 1275, 1276, 1277, 1278	1269	P216 Alt✓ (Imp. Date 20 Apr 09)
	Approved	1205, 1206, 1207, 1250, 1251, 1252, 1253, 1254, 1255, 1258, 1261, 1262, 1263	1249 v2.0, 1256, 1257, 1259, 1264		
Modifications	Pending				
	Approved		P215 Alt✓, P222 Alt✗	P217 Alt✓, P223 Alt✓	
Updates		The February 2009 Release is progressing to time and quality. Logica has started testing the NHHDA software changes and will release the software for ELEXON testing in late January.	The Programme Board have approved the PID, Plan and Resource & Budget for the June 2009 Release. Work has begun on developing the P215 changes and the P222 documentation components. Full details of releases are available from the ELEXON Website: http://www.elexon.co.uk/changeimplementation/implementation_process/default.aspx	Planning for the November 2009 Release is underway based on Modification P217 and P223. We will issue the PID and Plan to the Programme Board for review in January. NGC have started work on the development of the P217 changes and Logica are due to start shortly.	The P216 Release is currently progressing to time and quality. The new BSCP128 'Production, Submission, Audit and Approval of Line Loss Factors' has been drafted and tested via a walkthrough held at ELEXON offices on 17 December and has been issued for industry review. The implementation date is 20 April 2009.

CP scope of the February 2009 Release

CP	Title	Impacts	Demand Led Cost	ELEXON Operational		Total
				Man Days	Cost	
1205	D0095 reporting of immaterial superfluous consumption	NHHDA Software, NHHDA Technical Documentation	£46,256	12	£2,640	£48,896
1206	D0095 reporting of immaterial Supplier inconsistencies					
1207	D0095 reporting in respect of past NHHDCs					
1250	Increase opportunity to update the NMTES	BSCP515	£0	0.5	£110	£110
1251	Inferior / Inappropriate Peripheral Devices shall not be used to Collect Automatic Meter Readings	CoP8, CoP9	£0	1.75	£385	£385
1252	Reading Submission Frequency for remote meter readings	BSCP504	£0	2.25	£495	£495
1253	Remote Reading Assurance	BSCP504, BSCP537 Appendix 1	£0	2.5	£550	£550
1254	Prevention of Unauthorised Access to Smart Meters and Automated Meter Readings (AMR)	CoP8, CoP9, PSL100	£0	2.25	£495	£495
1255	Service Descriptions and other CSD Inconsistencies	BSCP20, SAA SD, CDCA SD, CDCA URS	£870	5	£1,100	£1,970
1258	Changes to BSCP520 Following Expert Group Walkthrough	BSCP520	£0	2	£440	£440
1261	Introducing Metering Code of Practice 10 to facilitate smart metering in the Half Hourly (HH) market	BSCP502, BSCP514, BSCP601, CoP4, New CoP10	£0	7	£1,540	£1,540
1262 ¹	Service Improvements – Enhancements to the SVA Application	SVA Application	£0	0	0	£0
1263	Changes to Communication Requirements Document arising from Project Isis	Communications Requirement Document	£0	2	£440	£440
Total²			£47,126	37.25	£8,195	£55,321

¹ The CP1262 implementation date is 23 March 2009 (BPO Implementation of the BSC Services Agreement) but is being managed as part of the February 2009 Release to reduce Release Management overheads.

² A Tolerance of 20% applies for both Demand Led costs and ELEXON Operational Costs

Draft CP Scope of the June 2009 Release

CP	Title	Impacts	Demand Led Cost	ELEXON Operational		Total
				Man Days	Cost	
CP1249 v2.0	Correcting MDDM and SVAA Terminology	SVA Data Catalogue vol. 1 and 2.	£0	2	£440	£440
CP1256	Action on Backdated D0052 flows	BSCP504, BSCP520	£0	4	£880	£880
CP1257	Calculation of EAC for Temporary Supplies	BSCP520	£0	2	£440	£440
CP1259	Distributor-Supplier Notification where a Site is capable of Exporting (microgeneration)	BSCP515, SVA Data Catalogue Volume 1	£0	3	£660	£660
CP1264	Clarification of Password Requirements in the Codes of Practice	CoP1, CoP1, CoP3, CoP5, CoP6, CoP7, BSCP601	£0	2	£440	£440
Total³			£0	13	£2,860	£2,860

³ A Tolerance of 20% applies for both Demand Led costs and ELEXON Operational Costs

CP1265 Attachment A – Proposed Changes to SVA TAA Service Description v5.0**1 INTRODUCTION**

[NO CHANGE PROPOSED TO THIS SECTION]

2 SERVICE SCHEDULE**2.1 General Obligations**

2.1.1 The SVA TAA shall provide a service for the Technical Assurance of SVA Half Hourly Metering Systems in accordance with BSCP27, Technical Assurance of Half Hourly Metering Systems for Settlement Purposes and the Risk Operating Plan. The SVA TAA will be required to conduct Inspection Visits and carry out checks to ensure compliance with Section L of the Code ('Metering'), the relevant metering Codes of Practice (CoPs) and BSCP27 and the ROP. Inspections will include main sample Inspection Visits; specific sample Inspection Visits; targeted Inspection Visits, identified by BSCCo where non-compliance is suspected; and re-Inspection Visits, where non-compliance has previously been identified by the SVA TAA and rectified by the Supplier or Meter Operator Agent (MOA) and a further visit may be ~~initiated~~requested by BSCCo.

2.1.2 This BSC Service Description is established under Section E of the Code ('BSC Agents') and may be amended as necessary subject to the ~~BSC TAA Contract~~BSC SVA TAA contract and the provisions of BSCP40, Change Management. The Codes of Practice relevant to the SVA TAA service are as follows:

Code of Practice 1	Code of Practice for the Metering of Circuits with a Rated Capacity Exceeding 100 MVA for Settlement Purposes
Code of Practice 2	Code of Practice for the Metering of Circuits with a Rated Capacity Not Exceeding 100 MVA for Settlement Purposes
Code of Practice 3	Code of Practice for the Metering of Circuits with a Rated Capacity Not Exceeding 10 MVA for Settlement Purposes
Code of Practice 4	Code of Practice for the Calibration Testing and Commissioning Requirements of Metering Equipment for Settlement Purposes
Code of Practice 5	Code of Practice for the Metering of Energy Transfers with a Maximum Demand of up to (and including) 1 MW for Settlement Purposes

2.1.3 The SVA TAA shall determine that a Metering System is non-compliant if it fails to meet the requirements detailed in the Code, Code Subsidiary Documents and in the relevant issue of the applicable CoP. If Metering Equipment was installed and commissioned prior to 1 May 1993, Codes of Practice A-K2 as defined under the terms of the Pooling and Settlement Agreement will be valid. If Metering Systems

were installed in Scotland prior to the BETTA Effective Date, the Scottish Codes of Practice S1-S5 will be valid. These Scottish Codes of Practice are as follows:

Metering Code of Practice S1	Code for the Metering of Circuits with a Rated Capacity Exceeding 100 MVA for Allocation Purposes
Metering Code of Practice S2	Code for the Metering of Circuits with a Rated Capacity Not Exceeding 100 MVA for Allocation Purposes
Metering Code of Practice S3	Code for the Metering of Circuits with a Rated Capacity Not Exceeding 10 MVA for Allocation Purposes
Metering Code of Practice S4	Code for the Calibration, Testing and Commissioning Requirements of Metering Equipment for Allocation Purposes
Metering Code of Practice S5	Code for the Metering of Metering of Circuits with a Rated Capacity Not Exceeding 1 MW for Allocation Purposes

2.2 Period of Responsibility

- 2.2.1 The SVA TAA shall perform the responsibilities and obligations set out in this BSC Service Description for the period defined in the contract.
- 2.2.2 The SVA TAA shall meet the performance standards that are required to be achieved in the delivery of this service as defined in the contract.

3 SERVICE REQUIREMENTS

3.1 Overview

3.1.1 The SVA TAA shall provide the Technical Assurance service in accordance with the requirements established within the Code, Code Subsidiary Documents, this BSC Service Description and the BSC ~~Agent-TAA~~ Contract.

3.1.2 This BSC Service Description describes the key activities of the SVA TAA and its interaction with BSCCo, BSC Parties and Party Agents.

3.1.3 The SVA TAA shall undertake four types of Technical Assurance Inspection Visit:

1. main sample Inspection Visits;
2. specific sample Inspection Visits;
3. targeted Inspection Visits; and
4. re-Inspection Visits.

The total number of Metering Systems to be inspected each year shall be determined by BSCCo, a proportion of which may consist of targeted and re-Inspection Visits.

3.1.4 The SVA TAA will provide an online management tool that allows for all Performance Assurance Parties, the TAA and BSCCo to access and amend information. This tool shall provide reporting and allow for the provision of evidence and information as required of an Inspection Visit as set out in BSCP27. As a minimum (i.e. this list is not exhaustive) this tool should provide;

- Confidentiality;
- Data retention of all records including results from the Inspection Visit;
- Audit capability;
- Reporting;
- Reminder notificationd to Parties;
- Details of non-compliances; and
- Rectification Plan details.

3.2 Main Sample Selection

3.2.1 The selection of Metering Systems for inclusion within the Main Sample shall be performed by the SVA TAA in accordance with the requirements detailed in the BSC Section L7 and BSCP27, ~~with particular reference to those requirements detailed in sections 1.9 and 3.1.~~

3.2.1 Once the Main Sample Inspection Visits have been selected and the SVA TAA has ensured there is no bias in the selection, the SVA TAA shall notify the relevant Suppliers and Meter Operator Agents of the inspections in accordance with BSCP27.

3.3 Targeted Inspection Selection

3.3.1 On an ad-hoc basis BSCCo shall notify the SVA TAA of any requirement for a targeted Inspection Visit.

3.3.2 The SVA TAA shall perform targeted Inspection Visits in accordance with BSCP27 ~~section 3.3~~.

3.4 Urgent Targeted Inspection Selection

3.4.1 On an ad-hoc basis BSCCo shall notify the SVA TAA of any requirement for an urgent targeted Inspection Visit.

3.4.2 The SVA TAA shall seek acceptance from the relevant Supplier and MOA in order to ensure that where possible urgent targeted Inspection Visits are completed within 2 Working Days of the date of notification from BSCCo, or by a date otherwise agreed with BSCCo.

3.4.3 The SVA TAA shall provide BSCCo with a report of the results of an urgent targeted Inspection Visit within 1 Working Day of the visit.

3.4.4 The SVA TAA shall not be required to carry out more than 25 urgent targeted Inspection Visits per year.

3.5 Re-Inspection Selection

3.5.1 On a quarterly basis, the SVA TAA shall identify those Metering Systems that were found to be non-compliant and have since been reported as rectified by the Supplier or MOA in the preceding quarter. ~~BSCCo shall notify the SVA TAA of the percentage of such Metering Systems that require a re-Inspection Visit, upon which it~~ The SVA TAA shall select a random percentage for inspection. The SVA TAA shall submit the proposed schedule of re-Inspection Visits to BSCCo for final approval.

3.5.2 BSCCo shall notify the SVA TAA of any additional re-Inspection Visits that are required.

3.6 Inspection Visits

3.6.1 The SVA TAA shall be responsible for the scheduling and organisation of all types of Inspection Visit.

3.6.2 The SVA TAA shall perform all Inspection Visits in line with the requirements detailed in BSCP27, ~~in particular section 3.5~~.

3.6.3 The SVA TAA shall provide the MOA attending an Inspection Visit with a quality assurance questionnaire at the start of the inspection.

3.7 Non-Compliance

3.7.1 The SVA TAA shall determine a Metering System to be non-compliant in accordance with the BSC Section L ~~7.5.1~~.

3.7.2 The category of non-compliance will be determined by the SVA TAA in line with the requirements detailed in BSCP27 ~~section 1.15~~.

3.7.3 In its determination of compliance the SVA TAA shall take into account any agreed Metering Dispensations identified by the Supplier and applicable to the Metering System.

3.8 Reporting

- 3.8.1 The SVA TAA shall complete all the documentation specified in BSCP27 as required for each Inspection Visit.
- 3.8.2 On completion of an Inspection Visit the SVA TAA shall issue notices of compliance or non-compliance to the relevant Supplier, MOA and Licensed Distribution System Operator (LDSO) where appropriate within the timescales detailed in and using the forms specified in BSCP27 and the online management tool.
- 3.8.3 In the case of targeted Inspection Visits, the SVA TAA shall issue notices of non-compliance to BSCCo in addition to Suppliers and MOAs using the online management tool.
- 3.8.4 The SVA TAA may be required by BSCCo to attend a monthly meeting of the Performance Assurance Board (PAB) to provide supporting information for appeal hearings and compliance disputes.
- 3.8.5 The SVA TAA shall attend a monthly meeting with BSCCo to discuss the service.
- 3.8.6 Each month the SVA TAA shall provide BSCCo with an operational report pack. The reports contained in this pack shall be determined by BSCCo and agreed with the SVA TAA and in compliance with the BSC TAA Contract.
- 3.9 Reminder Notification**
- 3.9.1 Where a non-compliance has been notified and no rectification plan or details are received from the Supplier or MOA within the timescales specified in BSCP27, the SVA TAA shall issue reminder notices to the Supplier or MOA, requesting a rectification plan or details of the rectification action taken.
- 3.10 Accuracy of Test Equipment**
- 3.10.1 Any equipment used by the SVA TAA during the performance of an Inspection Visit will be calibrated every six months with a clear and demonstrable audit trail against an appropriate standard, as agreed with BSCCo.
- 3.11 Ad-Hoc Services**
- 3.11.1 The SVA TAA shall, on occasions and as required by BSCCo, provide guidance as to the validity of any Metering Dispensation claims submitted by Parties in accordance with BSCP32 (Metering Dispensations).
- 3.11.2 The SVA TAA shall provide any ad-hoc services required by BSCCo in connection with the Technical Assurance service, subject to terms and conditions being agreed with the SVA TAA and in compliance with the procedures in the BSC TAA Contract.

4 NON-FUNCTIONAL REQUIREMENTS

4.1 Data Retention

4.1.1 The SVA TAA shall maintain a record of all Inspection Visits and their outcome, including details of any non-compliance.

4.1.2 The SVA TAA shall keep a record of all contact with participants. This shall include the date of contact, contact method (e.g. email or telephone), the SVA TAA and participant representatives involved, and the nature of the contact.

4.2 Documentation

4.2.1 The SVA TAA shall develop procedures for:

- Service procedures for the Technical Assurance Service;
- All aspects of the Inspection Visit;
- SVA TAA inspection checklists for all Codes of Practice; and
- All letters, notifications and confirmations necessary for each Inspection Visit.

4.2.2 The SVA TAA shall not make changes to the Inspection Visit checklists without the prior agreement of BSCCo. After service acceptance such changes will be governed by any change control process BSCCo has in operation at the time.

4.2.3 Documents detailed at 4.2.1 shall be deliverables of the Technical Assurance service and shall be delivered for review and approval by BSCCo during the service acceptance process and at a frequency thereafter specified by the BSC TAA Contract.

4.2.4 All Intellectual Property Rights of any reports, service and on-site procedures and Codes of Practice checklists shall be the property of BSCCo.

4.3 Participant Contact Point

[NO CHANGE PROPOSED TO THIS SECTION]

4.34 Audit Requirements

[NO CHANGE PROPOSED TO THIS SECTION]

4.45 Certificates of Competence

[NO CHANGE PROPOSED TO THIS SECTION]

4.56 Disaster Recovery Service

4.56.1 The SVA TAA shall provide a disaster recovery service and data security service that ensures a copy set of data collected or produced for the Technical Assurance service is held in addition to the working set, to provide a back-up in the event of a disaster.

- 4.56.2 The SVA TAA shall develop, deliver and maintain a disaster recovery plan agreed with BSCCo, in accordance with which the disaster recovery service and data security service shall be provided.
- 4.56.3 The disaster recovery plan shall include:
- (a) the criteria and procedure for declaration of a disaster;
 - (b) responsibilities and authorities to be in operation during a disaster;
 - (c) a schedule to return to the primary Technical Assurance service, including the disaster recovery service, within ~~28~~ 5 days of a disaster;
 - (d) descriptions of manual as well as other automated IT systems and procedures;
 - (e) provision of a stand-by environment such that following a disaster the Technical Assurance service and associated service levels are maintained subject to a delay of up to 48 hours for output scheduled for the Working Day on which the disaster was declared;
 - (f) transfer of all other services to the stand-by site (as appropriate) as soon as possible after the disaster declaration and no later than 24 hours after the disaster declaration~~within 72 hours of the declaration of a disaster~~;
 - (g) a description of how restoration of production at the primary site will be managed in order to ensure business continuity; and
 - (h) a detailed description of the data security service, specifying responsibilities and authorities.
- 4.56.4 The SVA TAA shall test the disaster recovery plan annually at a time agreed with the BSCCo~~on, or within one month of, the anniversary of the agreement date~~. The test shall be performed against scenarios agreed with BSCCo and all results obtained by the SVA TAA during the running of the disaster recovery plan test shall be communicated to BSCCo within ~~14~~ 5 Working Days of the test being concluded.
- 4.56.5 BSCCo shall reserve the right to witness the testing of the disaster recovery plan. The SVA TAA shall give no less than 5 Working Days~~reasonable~~ notice to BSCCo prior to the commencement of such testing.
- 4.56.6 Following a disaster, the disaster recovery service and data security service shall be capable of providing the full normal service to BSCCo until the full, primary operational environment can be restored and the transfer of all services to that environment can be planned and executed within the timescales as set out in the disaster recovery plan.
- 4.56.7 The SVA TAA shall provide physical and logical security in accordance with its security guidelines.

5 SERVICE LEVELS

5.1 Service Availability

5.1.1 The SVA TAA shall provide a participant contact point from 08.30 hours to 17.00 hours during each Working Day.

5.1.2 The SVA TAA shall respond to any query raised by a participant within five Working Days of the enquiry being raised by the participant.

5.2 Service Levels

5.2.1 The SVA TAA shall produce an operational report pack as described in the BSC TAA Contract~~section 3.8.4~~ for delivery to BSCCo by the start of each month. The format and detail of this report will be agreed between the TAA and BSCCo.

5.2.2 The minimum levels of performance required of each type of Inspection Visit shall be specified in the BSC TAA Contract~~TAA Contract~~ and as a minimum should relate to the following:

1. main sample Inspection Visits completed during each month;
2. specific sample Inspection Visits completed during each month;
3. targeted Inspection Visits completed during each month;
4. re-Inspection Visits completed during each quarter; ~~and~~
5. no-access Inspection Visits recorded during each month; ~~and~~
6. a profile of Inspection Visits for the coming month and current year.

5.2.3 A timetable of Inspection Visits for the following month (as described in section 3.6) shall be provided to the BSCCo by a nominated day of each month or the following Working Day.

~~5.2.4 The SVA TAA shall provide reporting (as described in section 3.8.4) of all Inspection Visits scheduled in the previous month by the start of each month.~~

5.2.~~54~~ The SVA TAA shall ensure that all quality assurance questionnaires are provided at the start of each Inspection Visit to the attending MOA.

5.2.~~65~~ A specific percentage of all Inspection Visits shall not have an appeal upheld by BSCCo in accordance with BSCP27.

6 ACRONYMS AND DEFINITIONS

[NO CHANGE PROPOSED TO THIS SECTION]

**CP1265 Attachment B – Proposed Changes to CVA TAA Service Description
v9.0****1. INTRODUCTION**

[NO CHANGE PROPOSED TO THIS SECTION]

2 SERVICE SCHEDULE**2.1 General Obligations**

2.1.1 In this BSC Service Description certain responsibilities and obligations are expressed to be undertaken by the CVA TAA and are limited only to those aspects of the role of CVA TAA as defined herein. The CVA TAA shall at all times ensure the performance of those responsibilities and obligations.

2.1.2 The CVA TAA shall provide a service for the Technical Assurance of Metering Systems registered under the CRA in accordance with BSCP27, Technical Assurance of Half Hourly Metering Systems for Settlement Purposes as determined by the Panel.

2.1.3 The CVA TAA will be required to visit the site of Metering Systems and carry out checks to determine the compliance of those Metering Systems with the Code, Code Subsidiary Documents and the relevant CoP. The CVA TAA will undertake the following types of Inspection Visit:

- sampled Inspection Visits – where the CVA TAA will be required to select Metering Systems in accordance with the Code and BSCP27;
- targeted Inspection Visits – where BSCCo will provide details of the Metering Systems to be inspected; and
- re-Inspection Visits – where a previous Inspection Visit identified a non-compliance which the Registrant has subsequently confirmed as being rectified.

2.1.4 The relevant CoPs are:

- | | |
|--------------------|--|
| Code of Practice 1 | Code of Practice for the Metering of Circuits with a Rated Capacity Exceeding 100 MVA for Settlement Purposes |
| Code of Practice 2 | Code of Practice for the Metering of Circuits with a Rated Capacity Not Exceeding 100 MVA for Settlement Purposes |
| Code of Practice 3 | Code of Practice for the Metering of Circuits with a Rated Capacity Not Exceeding 10 MVA for Settlement Purposes |
| Code of Practice 4 | Code of Practice for the Calibration, Testing and Commissioning Requirements of Metering Equipment for Settlement Purposes |

Code of Practice 5 Code of Practice for the Metering of Energy Transfers with a Maximum Demand of up to (and including) 1 MW for Settlement Purposes

2.1.5

The CVA TAA shall determine that a Metering System is non-compliant if it fails to meet the requirements detailed in the Code, Code Subsidiary Documents and in the relevant issue of the applicable CoP. If Metering Equipment was installed and commissioned prior to 1 May 1993, Codes of Practice A-K2 as defined under the terms of the Pooling and Settlement Agreement will be valid. If Metering Systems were installed in Scotland prior to the BETTA Effective Date, the Scottish Codes of Practice S1-S5 will be valid. These Scottish Codes of Practice are as follows:

Metering Code of Practice S1 Code for the Metering of Circuits with a Rated Capacity Exceeding 100 MVA for Allocation Purposes

Metering Code of Practice S2 Code for the Metering of Circuits with a Rated Capacity Not Exceeding 100 MVA for Allocation Purposes

Metering Code of Practice S3 Code for the Metering of Circuits with a Rated Capacity Not Exceeding 10 MVA for Allocation Purposes

Metering Code of Practice S4 Code for the Calibration, Testing and Commissioning Requirements of Metering Equipment for Allocation Purposes

Metering Code of Practice S5 Code for the Metering of Metering of Circuits with a Rated Capacity Not Exceeding 1 MW for Allocation Purposes

~~The above CoPs are defined under the terms of the Code and are relevant to Metering Equipment installed after the BETTA Effective Date. For Metering Equipment installed before the BETTA Effective Date, the CoPs having the same title as those above and defined under the terms of the Pooling and Settlement Agreement will be valid and the equivalent Scottish CoPs will be valid for Metering Systems installed in Scotland. If Metering Equipment were installed and commissioned prior to 1 May 1993, CoPs A – K as defined under the terms of the Pooling and Settlement Agreement will be valid.~~

2.2 CVA TAA

2.2.1 The CVA TAA shall determine the compliance of Metering Systems registered with the CRA with the Code, Code Subsidiary Documents and the relevant CoP.

2.3 Period of Responsibility

2.3.1 The CVA TAA shall perform the responsibilities and obligations set out in the Code, BSCP27 and this BSC Service Description for the period defined in the BSC TAA Contract~~contract~~. The CVA TAA shall meet the performance standards

that are required to be achieved in the delivery of this service as defined in the BSC TAA Contract~~contract~~.

3 SERVICE REQUIREMENTS

3.1.1 The CVA TAA shall provide the Technical Assurance ~~Service~~service in accordance with the requirements set out in the Code, BSCP27, this BSC Service Description and the BSC TAA Contract~~BSC Agent Contract~~.

3.1.2 This BSC Service Description describes the key interfaces and ~~timetable~~ responsibilities for the role of the CVA TAA and its interaction with BSCCo and interested BSC Parties and Party Agents in the Technical Assurance of such Metering Systems.

3.1.3 The CVA TAA shall undertake three types of Technical Assurance Inspection Visit:

- main sampled Inspection Visits;
- targeted Inspection Visits;
- re-Inspection Visits.

3.1.4 The total number of Inspection Visits to be carried out annually shall be set by BSCCo, a proportion of which will consist of targeted and re-Inspection Visits.

3.1.5 The CVA TAA will provide an online management tool that allows for all Performance Assurance Parties, the TAA and BSCCo to access and amend information. This tool shall provide reporting and allow for the provision of evidence and information as required of an Inspection Visit as set out in BSCP27. As a minimum (i.e. this list is not exhaustive) this tool should provide:

- Confidentiality;
- Data retention of all records including results from the Inspection Visit;
- Audit capability;
- Reporting;
- Reminder notificationd to Parties;
- Details of non-compliances; and
- Rectification Plan details.

3.2 Main Sample Selection

3.2.1 The selection of Metering Systems for inclusion within the main sample shall be performed by the CVA TAA in accordance with the requirements detailed in the Code Section L7 and BSCP27, ~~with particular reference to those requirements detailed in BSCP27 sections 1.9 and 3.1.~~

- 3.2.2 Once the main sample Inspection Visits have been selected and the CVA TAA has ensured there is no bias in the selection, the CVA TAA shall notify the relevant Registrants and Meter Operator Agents (MOA) of the inspections in accordance with BSCP27.

3.3 Targeted Inspection Selection

- 3.3.1 On an ad-hoc basis BSCCo shall notify the CVA TAA of any requirement for a targeted Inspection Visit.
- 3.3.2 The CVA TAA shall perform targeted Inspection Visits in accordance with BSCP27 ~~section 3.3~~.

3.4 Re-Inspection Selection.

- 3.4.1 The CVA TAA will select for re-Inspection Visits a percentage (as specified in BSCP27 by BSCCo) of Metering Systems that were found to be non-compliant and have since been notified as rectified. ~~Within 2 Working Days of the selection,~~ The CVA TAA shall provide a list of Metering Systems for re-Inspection Visits to BSCCo for authorisation. Within a further 2 Working Days, BSCCo will either approve or request amendments to the re-Inspection Visit schedule and the CVA TAA will perform the re-inspections.
- 3.4.2 BSCCo shall notify the CVA TAA of any additional re-Inspection Visits that are required.

3.5 Inspection Visits

- 3.5.1 The CVA TAA shall be responsible for scheduling Inspection Visits for any particular week or day.
- 3.5.2 The CVA TAA shall perform all Inspection Visits in accordance with the requirements detailed in BSCP27, ~~in particular section 3.5~~.

3.6 Non-Compliance

- 3.6.1 The CVA TAA shall determine a Metering System to be non-compliant in accordance with the Code ~~section L7.5.1~~.
- 3.6.2 The category of any non-compliance shall be determined by the CVA TAA in line with the requirements detailed in BSCP27.
- 3.6.3 In its determination of compliance the CVA TAA shall take into account any agreed Metering Dispensations identified by the Registrant and applicable to the Metering System.

3.7 Reporting

- 3.7.1 The CVA TAA shall complete all the documentation specified in BSCP27 as required for each Inspection Visit.

- 3.7.2 On completion of an Inspection Visit, the CVA TAA shall issue notices of compliance or non-compliance to the Registrant, MOA and Licensed Distribution System Operator (LDSO) where relevant within the timescales set out in and using the forms specified in BSCP27 [and the online management tool](#).
- 3.7.3 In the case of targeted Inspection Visits, the CVA TAA shall issue notices of non-compliance to BSCCo in addition to Registrants, MOAs and LDSO where relevant [using the online management tool](#).
- 3.7.4 The CVA TAA shall maintain a register of all Inspection Visits and outcomes together with any details of non-compliance [using the online management tool](#).
- 3.7.5 The CVA TAA shall submit a report each month to BSCCo summarising all inspections falling due within that month including details of those Inspection Visits which have not been undertaken to schedule and the reason for the delay, and submit a report detailing all Inspection Visits which remain outstanding due to no or inappropriate action being taken.
- 3.7.6 The CVA TAA shall attend a monthly meeting with BSCCo to discuss the service. The CVA TAA will also attend meetings, as required, to provide Technical Assurance information for appeal hearings on compliance disputes.

3.8 Reminder Notification

- 3.8.1 Where a non-compliance has been notified and no rectification plan or details are received from the Registrant or MOA within the timescales specified in BSCP27, the CVA TAA shall issue reminder notices to the Registrant and MOA, requesting a rectification plan or details of the rectification action taken.

3.9 Certificates of Competence

- 3.9.1 The CVA TAA shall provide experienced and competent staff to provide the Technical Assurance ~~Service~~[service](#). Those personnel performing the Inspection Visit, the Metering Inspector, shall hold a current and valid Certificate of Competence issued by the LDSO for which the Metering Inspector is required to work, as well as any additional authorisations and permissions that may be required in order for the Inspection Visit to be completed.

3.10 Documentation

- 3.10.1 The CVA TAA shall develop procedures for:
- Service procedures for the Technical Assurance ~~Service~~[service](#);
 - All aspects of the Inspection Visit;
 - CVA TAA inspection checklists for all Codes of Practice;
 - All letters, notifications and confirmations necessary for each Inspection Visit.

3.10.2 The CVA TAA shall not make changes to the Inspection Visit checklists without the prior agreement of BSCCo. After service acceptance ~~(detailed at 3.6.4, below)~~ such changes will be governed by any change control process BSCCo has in operation at the time.

3.10.3 Documents detailed at 3.10.1 shall be deliverables of the Technical Assurance ~~Service-service~~ and shall be delivered for review and approval by BSCCo during the service acceptance process and at a frequency thereafter specified by the BSC TAA Contract. All Intellectual Property Rights in any reports, service and on-site procedures and Codes of Practice checklists shall be the property of BSCCo.

3.11 Contact Point

3.11.1 The CVA TAA shall provide a single point of contact for:

- (a) receipt and dispatch of documentation;
- (b) operational support and problem resolution; and
- (c) management of change.

3.11.2 The contact point shall be made available from 08.30 hours until 17.00 hours during each Working Day.

3.11.3 CVA TAA shall attend a monthly meeting with BSCCo to discuss the service. The CVA TAA shall provide a Contact Point to provide a single point of contact for:

- ~~• receipt and despatch of documentation;~~
- ~~• operational support and problem resolution;~~
- ~~• management of change.~~

4 ACRONYMS AND DEFINITIONS

[NO CHANGE PROPOSED TO THIS SECTION]

CP1265 Attachment C – Proposed Changes to CVA Data Catalogue v17.0

1 PURPOSE AND SCOPE

1.1 Purpose of this document

This document, the CVA Data Catalogue contains information relating to all the communication interfaces between CVA BSC Agents or the Transmission Company and BSC Parties and Party Agents.

This document specifies, where appropriate, references to relevant sections of the Logica and EPFAL IDD Part 1 documents. The Logica and EPFAL IDD Part 1 documents contain information on data items and file formats, the participants involved in exchange of each file, and references to the owner of each file and its associated network (where this detailed information is not available in the Logica and EPFAL IDD Part 1 documents, it will be included in this document). It provides a consolidated repository of NGC EDT/EDL specs.

This document is a Code Subsidiary Document and its purpose is to form the Data File Catalogue for all CVA communications, as set out in the BSC Section O.

1.2 Scope of the CVA Data Catalogue

The CVA Data Catalogue includes all data interfaces between CVA BSC Agents (SAA, CRA, BMRA, ~~TAA~~, ECVAA, CDCA, FAA) or the Transmission Company and Parties or Party Agents. It does not include SVAA interfaces, which are specified in the SVA Data Catalogue, and it does not include communications between central service providers.

Because of the different nature of the Transmission Company's EDL interface this has been excluded from the Data Dictionary and included as a separate Annex C.

2 REFERENCE DOCUMENTS

The following documents are referenced by the CVA Data Catalogue.

2.1 SAA, CRA, BMRA, ~~TAA~~, ECVAA and CDCA Interfaces

Logica Interface Definition and Design Document (Part 1).

Logica Interface Definition and Design Spreadsheet (Part 1).

2.2 Transmission Company Interfaces

EDT Interface Specification

EDL Interface Specification

2.3 FAA Interfaces

EPFAL Interface Definition and Design (Part 1).

3 INTERFACE SPECIFICATIONS

[NO CHANGE PROPOSED TO THIS SECTION]

4 DATA FILE DESCRIPTION STANDARDS

[NO CHANGE PROPOSED TO THIS SECTION]

CP1265 Attachment D – Proposed Changes to CVA Data Catalogue Annex A v17.0

Annex A: Data File Specification

Data File Index

KEY: Any changes are marked before the data flow reference as either (n)ew or (u)pdated.

Deleted data flows are shown in brackets.

File Ref	File Name	Automated Flow Ref	From	To	Defined In
BMRA-I004	Publish Balancing Mechanism Data	N/A BMRA Website	BMRA	BMRS User	Logica IDD Part 1 Document
BMRA-I005	Publish System Related Data	N/A BMRA Website	BMRA	BMRS User	Logica IDD Part 1 Document
BMRA-I006	Publish Derived Data	N/A BMRA Website	BMRA	BMRS User	Logica IDD Part 1 Document
BMRA-I010	Data Exception Reports	B0101	BMRA	MIDP	Logica IDD Part 1 Document and Spreadsheet
BMRA-I015	Receive Market Index Data	B0151	MIDP	BMRA	Logica IDD Part 1 Document and Spreadsheet
BMRA-I019	Publish Credit Default Notices	N/A BMRA Website	BMRA	BMRS User	Logica IDD Part 1 Document
CDCA-I001	Aggregation Rules	N/A Manual Interface	BSC Party	CDCA	Logica IDD Part 1 Document
CDCA-I003	Meter Technical Data	N/A Manual Interface	MOA	CDCA	Logica IDD Part 1 Document
CDCA-I004	Notify new Meter Protocol	N/A Manual Interface	CDCA	MOA	Logica IDD Part 1 Document
CDCA-I005	Load New Meter Protocol	N/A Manual Interface	MOA	CDCA	Logica IDD Part 1 Document
CDCA-I006	Meter Data for Proving Test	N/A Manual Interface	CDCA	MOA	Logica IDD Part 1 Document
CDCA-I007	Proving Test	N/A	CDCA	BSC Party	Logica IDD Part 1

File Ref	File Name	Automated Flow Ref	From	To	Defined In
		Manual Interface	CDCA	MOA	Document
CDCA-I008	Obtain metered data from metering systems	N/A Manual Interface	BSC Party (Physical Meters)	CDCA	Logica IDD Part 1 Document
CDCA-I009	Meter Period Data collected via site visit	N/A Manual Interface	Data Capture Device	CDCA	Logica IDD Part 1 Document
CDCA-I010	Exception Report for Missing and Invalid Meter Period Data	C0101	CDCA CDCA	BSC Party MOA	Logica IDD Part 1 Document and Spreadsheet
CDCA-I011	Dial Readings from meter, for MAR	N/A Manual Interface	Data Capture Device	CDCA	Logica IDD Part 1 Document
CDCA-I012	Report Raw Meter Data	C0121	CDCA CDCA	BSC Party LDSO	Logica IDD Part 1 Document and Spreadsheet
CDCA-I013	Response to Estimated data	N/A Manual Interface	BSC Party BSC Party	CDCA CDCA	Logica IDD Part 1 Document
CDCA-I014	Estimated Data Report	C0141	CDCA CDCA CDCA	BSC Party LDSO MOA	Logica IDD Part 1 Document and Spreadsheet
CDCA-I015	Reporting Metering Equipment Faults	N/A Manual Interface	MOA	CDCA	Logica IDD Part 1 Document
CDCA-I017	Meter Reading Schedule for MAR	N/A Manual Interface	CDCA CDCA	BSC Party MOA	Logica IDD Part 1 Document
CDCA-I018	MAR Reconciliation Report	N/A Manual Interface	CDCA CDCA CDCA	BSC Party LDSO MOA	Logica IDD Part 1 Document
CDCA-I019	MAR Remedial Action Report	N/A Manual Interface	CDCA CDCA CDCA	BSC Party LDSO MOA	Logica IDD Part 1 Document
CDCA-I021	Notification of Metering Equipment Work	N/A Manual Interface	MOA	CDCA	Logica IDD Part 1 Document

File Ref	File Name	Automated Flow Ref	From	To	Defined In
CDCA-I025	Aggregation Rule Exceptions	N/A Manual Interface	CDCA	BSC Party	Logica IDD Part 1 Document
CDCA-I026	Aggregated Meter Volume Exceptions	N/A Manual Interface	CDCA	BSC Party	Logica IDD Part 1 Document
CDCA-I029	Aggregated GSP Group Take Volumes	C0291	CDCA CDCA	BSC Party LDSO	Logica IDD Part 1 Document and Spreadsheet
CDCA-I030	Meter Period Data for Distribution Area	C0301	CDCA CDCA	BSC Party LDSO	Logica IDD Part 1 Document and Spreadsheet
CDCA-I037	Estimated Data Notification	N/A Manual Interface	CDCA CDCA	BSC Party MOA	Logica IDD Part 1 Document
CDCA-I038	Reporting Metering Equipment Faults	N/A Manual Interface	CDCA CDCA	BSC Party MOA	Logica IDD Part 1 Document
CDCA-I040	Approval of Metering Equipment Work	N/A Manual Interface	CDCA	MOA	Logica IDD Part 1 Document
CDCA-I041	Interconnector Aggregation Report	C0411	CDCA	IA	Logica IDD Part 1 Document and Spreadsheet
CDCA-I042	BM Unit Aggregation Report	C0421	CDCA	BSC Party	Logica IDD Part 1 Document and Spreadsheet
CDCA-I044	Meter System Proving Validation	N/A Manual Interface	MOA	CDCA	Logica IDD Part 1 Document
CDCA-I045	Meter Data from routine work and Metering Faults	N/A Manual Interface	Data Capture Device	CDCA	Logica IDD Part 1 Document
CDCA-I046	Site Visit Inspection Report	N/A Manual Interface	CDCA CDCA	BSC Party MOA	Logica IDD Part 1 Document
CDCA-I047	Correspondence Receipt Acknowledgement	N/A Manual Interface	CDCA	BSC Party	Logica IDD Part 1 Document
CDCA-I048	Report of Aggregation Rules	N/A Manual Interface	CDCA	BSC Party	Logica IDD Part 1 Document
CDCA-I051	Report Meter	N/A	CDCA	BSC Party	Logica IDD Part 1

File Ref	File Name	Automated Flow Ref	From	To	Defined In
	Technical Details	Manual Interface	CDCA CDCA	MOA LDSO	Document
CDCA-I054	Meter Status Report	C0541	CDCA CDCA CDCA	BSC Party LDSO MOA	Logica IDD Part 1 Document and Spreadsheet
CDCA-I055	Transfer from SMRS information	N/A Manual Interface	BSC Party	CDCA	Logica IDD Part 1 Document
CDCA-I057	Transfer to SMRS information	N/A Manual Interface	BSC Party	CDCA	Logica IDD Part 1 Document
CDCA-I059	Initial Meter Reading Report	N/A Manual Interface	CDCA	BSC Party	Logica IDD Part 1 Document
CDCA-I060	SVA Agent Details	N/A Manual Interface	BSC Party	CDCA	Logica IDD Part 1 Document
ECVAA-I002	ECVNAA Data	N/A Manual Interface	BSC Party ECVNA	ECVAA ECVAA	Logica IDD Part 1 Document and Spreadsheet
ECVAA-I003	MVRNAA Data	N/A Manual Interface	BSC Party MVRNA	ECVAA ECVAA	Logica IDD Part 1 Document and Spreadsheet
ECVAA-I004	ECVNs	E0041	ECVNA	ECVAA	Logica IDD Part 1 Document and Spreadsheet
ECVAA-I005	MVRNs	E0051	MVRNA	ECVAA	Logica IDD Part 1 Document and Spreadsheet
ECVAA-I007	ECVNAA Feedback (Confirmation)	E0071	ECVAA ECVAA	BSC Party ECVNA	Logica IDD Part 1 Document and Spreadsheet
ECVAA-I008	MVRNAA Feedback (Confirmation)	E0081	ECVAA ECVAA	BSC Party MVRNA	Logica IDD Part 1 Document and Spreadsheet
ECVAA-I009	ECVN Feedback	E0091	ECVAA ECVAA	BSC Party ECVNA	Logica IDD Part 1 Document and Spreadsheet
ECVAA-I010	MVRN Feedback	E0101	ECVAA ECVAA	BSC Party MVRNA	Logica IDD Part 1 Document and Spreadsheet

File Ref	File Name	Automated Flow Ref	From	To	Defined In
ECVAA-I013 Sub-flow 1	Authorisation Report	E0131	ECVAA ECVAA	BSC Party ECVNA	Logica IDD Part 1 Document and Spreadsheet
ECVAA-I013 Sub-flow 2	Authorisation Report	E0132	ECVAA ECVAA	BSC Party MVRNA	Logica IDD Part 1 Document and Spreadsheet
ECVAA-I014	Notification Report	E0141	ECVAA ECVAA ECVAA	BSC Party ECVNA MVRNA	Logica IDD Part 1 Document and Spreadsheet
ECVAA-I018	Receive Acknowledgement	E0181	All ECVAA Interface users	ECVAA	Logica IDD Part 1 Document
ECVAA-I019	Issue Acknowledgement	E0191	ECVAA	All ECVAA Interface users	Logica IDD Part 1 Document
ECVAA-I021	Credit Limit Warning	N/A Manual Interface	ECVAA	BSC Party	Logica IDD Part 1 Document
ECVAA-I022	Forward Contract Report	E0221	ECVAA	BSC Party	Logica IDD Part 1 Document and Spreadsheet
ECVAA-I024	Receive Credit Cover Minimum Eligible Amount Request	N/A Manual Interface	BSC Party	ECVAA	Logica IDD Part 1 Document
ECVAA-I025	Issue Credit Cover Minimum Eligible Amount Report	N/A Manual Interface	ECVAA	BSC Party	Logica IDD Part 1 Document
ECVAA-I028	Energy Contract Volume Notification (ECVN) Acceptance Feedback	E0281	ECVAA ECVAA	BSC Party ECVNA	Logica IDD Part 1 Document and Spreadsheet
ECVAA-I029	Meter Volume Reallocation Notification (MVRN) Acceptance Feedback	E0291	ECVAA ECVAA	BSC Party MVRNA	Logica IDD Part 1 Document and Spreadsheet
ECVAA-I035	Forward Contract Report Start Period Override	N/A Manual Interface	BSC Party	ECVAA	Logica IDD Part 1 Document

File Ref	File Name	Automated Flow Ref	From	To	Defined In
ECVAA-I037	Receive Volume Notification Nullification Request	N/A Manual Interface	BSC Party	ECVAA	Logica IDD Part 1 Document
ECVAA-I038	Issue Volume Notification Nullification Confirmation Report	N/A Manual Interface	ECVAA	BSC Party	Logica IDD Part 1 Document
ECVAA-I039	Issue Nullification Completion Report	N/A Manual Interface	ECVAA	BSC Party	Logica IDD Part 1 Document
ECVAA-I042	Banning/Unbanning Individual User Access to the ECVAA web service	N/A Manual Interface	BSC Party ECVNA MVRNA	ECVAA ECVAA ECVAA	Logica IDD Part 1 Document
ECVAA-I043	EWS - BSC Party Views ECVNs	N/A ECVAA Web Service	ECVAA	BSC Party	Logica IDD Part 1 Document
ECVAA-I044	EWS - BSC Party View MVRNs	N/A ECVAA Web Service	ECVAA	BSC Party	Logica IDD Part 1 Document
ECVAA-I045	EWS - ECVNA Views ECVNs	N/A ECVAA Web Service	ECVAA	ECVNA	Logica IDD Part 1 Document
ECVAA-I046	EWS - MVRNA View MVRNs	N/A ECVAA Web Service	ECVAA	MVRNA	Logica IDD Part 1 Document
FAA-I001	Advice Notes ¹	N/A Manual Interface	FAA	Payment	FAA IDD Part 1 Document
FAA-I002	Statement (Backing documentation)	N/A Manual Interface	FAA	Payment	FAA IDD Part 1 Document
FAA-I003	Confirmation Notices ¹	N/A Manual Interface	FAA	BSC Party	FAA IDD Part 1 Document
FAA-I004	Credit Cover Requirements	N/A Manual Interface	FAA	Payment	FAA IDD Part 1 Document
FAA-I005	Credit Call Request	N/A Manual Interface	FAA	Payment	FAA IDD Part 1 Document

¹Following the implementation of Modification P214, Advice Notes and Confirmation Notices (not with combined charges) will not be despatched to Payment Parties as a matter of course and the FAA will only despatch such Advice Notes or Confirmation Notices to Payment Parties if so requested in relation to calendar Payment Dates prior to 6th November 2008.

File Ref	File Name	Automated Flow Ref	From	To	Defined In
FAA-I006	Payment Calendar (Agreed)	N/A Manual Interface	FAA	Payment	FAA IDD Part 1 Document
FAA-I008	Payment Initiation Instructions	N/A Manual Interface	FAA	Clearing Bank	FAA IDD Part 1 Document
FAA-I009	Payment Instructions	N/A Manual Interface	FAA	Collection Account	FAA IDD Part 1 Document
FAA-I010	Quarterly Statements	N/A Manual Interface	FAA FAA	BSC Party H.M. Customs & Excise	FAA IDD Part 1 Document
FAA-I011	Completed Direct Debit Mandate	N/A Manual Interface	BSC Party	FAA	FAA IDD Part 1 Document
FAA-I012	Credit Limit	N/A Manual Interface	BSC Party	FAA	FAA IDD Part 1 Document
FAA-I013	Credit Cover Provision	N/A Manual Interface	BSC Party	FAA	FAA IDD Part 1 Document
FAA-I014	Bank Details	N/A Manual Interface	BSC Party	FAA	FAA IDD Part 1 Document)
FAA-I015	Funds Accession Agreement & BSC Party Check List	N/A Manual Interface	BSC Party	FAA	FAA IDD Part 1 Document
FAA-I016	Payment Confirmations	N/A Manual Interface	Collection Account	FAA	FAA IDD Part 1 Document
FAA-I017	Non-receipt Notifications	N/A Manual Interface	Collection Account	FAA	FAA IDD Part 1 Document
FAA-I034	Reserve Account Interest Advice Notes	N/A Manual Interface	FAA	Payment Party	FAA IDD Part 1 Document
FAA-I038	Combined Advice Notes	N/A Manual Interface	FAA	Payment Party	FAA IDD Part 1 Document
FAA-I039	Default Statement (Backing Documentation)	N/A Manual Interface	FAA	Payment Party	FAA IDD Part 1 Document

File Ref	File Name	Automated Flow Ref	From	To	Defined In
FAA-I040	Combined Confirmation Notices	N/A Manual Interface	FAA	BSC Party	FAA IDD Part 1 Document
EDT01	NGC EDT Interface	EDT01	BSC Party BSC Party Agent	SO SO	NDFC Annex A
CRA-I001	BSC Party Registration	R0011 ²	BSC Party	CRA	Logica IDD Part 1 Document and Spreadsheet
CRA-I002	Interconnector Administrator Registration Data	R0021 ²	BSC Party IA	CRA CRA	Logica IDD Part 1 Document and Spreadsheet
CRA-I003	BSC Party Agent Registration Details	R0031 ²	BSC Party Agent	CRA	Logica IDD Part 1 Document and Spreadsheet
CRA-I005	BM Unit Registration Data	R0051 ²	BSC Party	CRA	Logica IDD Part 1 Document and Spreadsheet
CRA-I006	Trading Unit Registration	R0061 ²	BSC Party	CRA	Logica IDD Part 1 Document and Spreadsheet
CRA-I007	Boundary Point and System Connection	R0071 ²	LDSO	CRA	Logica IDD Part 1 Document and Spreadsheet
CRA-I008	Interconnector Registration Details	R0081 ²	BSC Party LDSO	CRA CRA	Logica IDD Part 1 Document and Spreadsheet
CRA-I012	CRA Encryption Key	N/A Manual Interface	CRA CRA CRA	BSC Party MIDP BSC Party Agent	Logica IDD Part 1 Document
CRA-I014 Sub-flow 1	Registration Report (BSC Party Registration)	R0141	CRA	BSC Party	Logica IDD Part 1 Document and Spreadsheet
CRA-I014 Sub-flow 2	Registration Report (Interconnector Administrator Registration)	R0142	CRA	BSC Party	Logica IDD Part 1 Document and Spreadsheet
CRA-I014 Sub-flow 3	Registration Report (BSC Party Agent Registration)	R0143	CRA	BSC Party Agent	Logica IDD Part 1 Document and Spreadsheet

² This interface can be manual as well as automated.

File Ref	File Name	Automated Flow Ref	From	To	Defined In
CRA-I014 Sub-flow 5	Registration Report (BM Unit Registration)	R0145	CRA	BSC Party	Logica IDD Part 1 Document and Spreadsheet
CRA-I014 Sub-flow 6	Registration Report (Trading Unit Registration)	R0146	CRA	BSC Party	Logica IDD Part 1 Document and Spreadsheet
CRA-I014 Sub-flow 7	Registration Report (Boundary Point Registration)	R0147	CRA	BSC Party	Logica IDD Part 1 Document and Spreadsheet
CRA-I014 Sub-flow 8	Registration Report (Interconnector Registration)	R0148	CRA	BSC Party	Logica IDD Part 1 Document and Spreadsheet
CRA-I014 Sub-flow 9	Registration Report GSP Group Registration)	R0149	CRA	BSC Party	Logica IDD Part 1 Document and Spreadsheet
CRA-I014 Sub-flow 10	Registration Report (GSP Registration)	R014A	CRA	BSC Party	Logica IDD Part 1 Document and Spreadsheet
CRA-I014 Sub-flow 11	Registration Report (Inter-GSP-Group Connection Registration)	R014B	CRA	BSC Party	Logica IDD Part 1 Document and Spreadsheet
CRA-I014 Sub-flow 12	Registration Report (Metering System Registration)	R014C	CRA CRA	BSC Party BSC Party Agent	Logica IDD Part 1 Document and Spreadsheet
CRA-I021	Registered Service List	R0211 ²	CRA CRA	BSC Party Public	Logica IDD Part 1 Document and Spreadsheet
CRA-I024	Certification & Accreditation Report ³	R0241 ²	CRA CRA CRA	BSC Party BSC Party Agent BSC Service Agent	Logica IDD Part 1 Document and Spreadsheet
CRA-I025	Receive Acknowledgement	R0251	All CRA Interface users	CRA	Logica IDD Part 1 Document
CRA-I026	Issue Acknowledgement	R0261	CRA	All CRA Interface users	Logica IDD Part 1 Document
CRA-I027	GSP Group and		BSC Party	CRA	Logica IDD Part 1

³ This file will be the 'Qualification Report', but the File Name is unchanged to maintain consistency with the IDD Database.

File Ref	File Name	Automated Flow Ref	From	To	Defined In
	GSP Registration	R0271 ²	LDSO	CRA	Document and Spreadsheet
CRA-I031	Metering System Data	R0311 ²	BSC Party	CRA	Logica IDD Part 1 Document and Spreadsheet
CRA-I034	Flexible Reporting Request	N/A Manual Interface	BSC Party BSC Party Agent	CRA CRA	Logica IDD Part 1 Document
CRA-I038	Transfer from SMRS information	N/A Manual Interface	BSC Party	CRA	Logica IDD Part 1 Document
CRA-I040	Transfer to SMRS information	N/A Manual Interface	CRA	BSC Party	Logica IDD Part 1 Document
SAA-I006	BM Unit Metered Volumes for Interconnector Users	S0061	IA	SAA	Logica IDD Part 1 Document and Spreadsheet
SAA-I012	Dispute Notification	N/A Manual Interface	BSC Party	SAA	Logica IDD Part 1 Document
SAA-I014 Sub-flow 1	Settlement Report	S0141	SAA	BSC Party	Logica IDD Part 1 Document and Spreadsheet
SAA-I016	Settlement Calendar	S0161	SAA SAA	BSC Party Agent BSC Party	Logica IDD Part 1 Document and Spreadsheet
SAA-I017	SAA Data Exception Report	S0171	SAA SAA SAA	IA MIDP SVAA	Logica IDD Part 1 Document and Spreadsheet
SAA-I018	Dispute Reports	N/A Manual Interface	SAA	BSC Party	Logica IDD Part 1 Document
SAA-I030	Receive Market Index Data	S0301	MIDP	SAA	Logica IDD Part 1 Document and Spreadsheet
TAA-I006	Notification of Metering Systems to be subject to site visits and request for site details	N/A Manual Interface	TAA TAA	BSC Party MOA	Logica IDD Part 1 Document

File Ref	File Name	Automated Flow Ref	From	To	Defined In
TAA-I007	Site details	N/A Manual Interface	BSC Party	TAA	Logica IDD Part 1 Document
TAA-I008	Confirmation of acceptance of site visit	N/A Manual Interface	BSC Party	TAA	Logica IDD Part 1 Document
TAA-I009	Non-compliance / compliance notice	N/A Manual Interface	TAA	BSC Party	Logica IDD Part 1 Document
TAA-I013	Rectification Notice	N/A Manual Interface	BSC Party	TAA	Logica IDD Part 1 Document
TAA-I014	Outstanding Non-compliance Reminder	N/A Manual Interface	TAA	BSC Party	Logica IDD Part 1 Document
TAA-I021	Non-compliance Reminder Acknowledgement	N/A Manual Interface	BSC Party	TAA	Logica IDD Part 1 Document
TAA-I022	Site Visit Closure	N/A Manual Interface	TAA	BSC Party	Logica IDD Part 1 Document
TAA-I023	Rectification Plan	N/A Manual Interface	BSC Party	TAA	Logica IDD Part 1 Document
TAA-I024	Rectification Plan Response	N/A Manual Interface	TAA TAA	MOA BSC Party	Logica IDD Part 1 Document

[NO CHANGES PROPOSED TO REMAINDER OF DOCUMENT]

CP1265 Attachment E – Proposed Changes to BSCP27 Technical Assurance of Half Hourly Metering Systems for Settlement Purposes v9.0**1 Introduction****1.1 Purpose and Scope of the Procedure**

This BSC Procedure (BSCP) defines the process of inspections of Supplier Volume Allocation (SVA) Half Hourly Metering Systems registered in a Supplier Meter Registration System (SMRS) and –Central Volume Allocation (CVA) Metering Systems registered in the Central Meter Registration Service (CMRS).

It describes the key interfaces and timetable responsibilities for the role of the Technical Assurance Agent (TAA) and interested parties in the inspection of Metering Systems. The primary aim of Technical Assurance is to monitor Registrants' and Party Agents' compliance with their obligations as defined in the Balancing and Settlement Code (the Code) and Code Subsidiary Documents (CSDs) to ensure that the Active Energy Imported and/or Active Energy Exported through Boundary Points and System Connection Points is complete and accurate.

1.2 Risk Based Performance Assurance Framework

[NO CHANGE PROPOSED TO THIS SECTION]

1.3 Main Users of the Procedure and their Responsibilities

[NO CHANGE PROPOSED TO THIS SECTION]

1.4 Use of the Procedure

The Registrant is responsible for ensuring the compliance of its Party Agents, in particular the MOA and DC, with the Code and CSDs.

The TAA shall determine a Metering System to be non-compliant if the Code or CSDs are not being adhered to, subject to any Metering Dispensations applicable to the Metering Equipment.

Throughout this procedure, ~~where a timescale is stated, it refers to~~~~timetables reflect~~ the number of Working Days (WD) ~~following defined events~~ by which the activity described shall be completed.

1.5 Key Milestones

The key milestones in this procedure are:

- Extracts from CDCA and SMRA for the sampling of Metering Systems as detailed in section 1.10.
- 20WD notice to the Registrant and MOA of a TAA Inspection ~~–~~Visit.

1.6 Balancing and Settlement Code Provision

[NO CHANGE PROPOSED TO THIS SECTION]

1.7 Associated BSC Procedures

This BSCP interfaces with:

CVA Metering Systems	SVA Metering Systems
▪ BSCP02 – Proving Test Requirements for CVA Metering Systems ▪ BSCP06 – Notification and Sealing of Metering Equipment for Central Volume Allocation ▪ BSCP11 – Trading Queries and Trading Disputes ▪ BSCP20 – Registration of Metering Systems for Central Volume Allocation ▪ BSCP32 – Metering Dispensations ▪ BSCP537 – Qualification Process for SVA Parties, SVA Party Agents and CVA MOAs ▪ BSCP538 – Error and Failure Resolution ▪ BSCP601 - Metering Protocol Approval and Compliance Testing	▪ BSCP11 – Trading Queries and Trading Disputes ▪ BSCP32 - Metering Dispensations ▪ BSCP501 - Supplier Meter Registration Service ▪ BSCP502 – Half Hourly Data Collection for SVA Metering Systems Registered in SMRS ▪ BSCP514 –SVA Meter operations for Metering Systems registered in SMRS ▪ BSCP515 – Licensed Distribution ▪ <u>BSCP535 – Technical Assurance</u> ▪ BSCP537 – Qualification Process for SVA Parties, SVA Party Agents and CVA MOAs ▪ BSCP538 – Error and Failure Resolution ▪ BSCP550 - Shared SVA Meter Arrangement of Half Hourly Import and Export Active Energy ▪ BSCP601 - Metering Protocol Approval and Compliance Testing

1.8 Responsibilities

[NO CHANGE PROPOSED TO THIS SECTION]

1.9 Metering System Sampling Groups

For SVA, the total number of Metering Systems to be inspected in any one year shall be as determined by the Performance Assurance Board (PAB) in accordance with the ROP. This may include a percentage of re-inspections. The selection of the actual Metering Systems to be inspected shall be at the discretion of BSCCo.

The TAA shall select SVA Metering Systems for the following sampling groups:

- Targeted Inspections
- Specific Sample
- Main Sample

For CVA, the total number of Metering Systems to be inspected in any one year shall be as directed from time to time by the PAB. This will include a percentage of re-inspections. The selection of the ~~actual~~ Metering Systems to be inspected shall be at the discretion of BSCCo, in accordance with the scope as directed by the PAB.

The TAA shall select CVA Metering Systems for the following sampling groups:

- Targeted Inspections
- Main Sample

1.9.1 Targeted Inspections

The TAA ~~will~~may target a number of Metering Systems where non-compliance is suspected. These may be identified as a consequence of information obtained by BSCCo (including that information provided by the PAA), by the TAA or as directed by the PAB. BSCCo will inform the TAA of those Metering Systems that require a targeted Inspection Visit.

The basis for this sample will be on information provided by Registrants and other parties to enable BSCCo to target specific Metering Systems, GSP Groups, types of Metering Equipment, Party Agents or BSC Parties. Targeted inspections will not necessarily be carried out each time a group of inspections is arranged.

1.9.2 Specific Sample - SVA Only

It is intended that specific samples will focus on ~~'complex metering'~~, where the risk to Settlement is perceived to be greatest. The PAB will determine the size of the specific sample. It is anticipated this ~~specific sample group~~ will account for no more than 20% of the total number of visits agreed by the PAB to be performed each year. The focus of this specific sample will be set by the PAB on an annual basis. It is envisaged that this group will be sampled from, but ~~is~~ not limited to, the following:

1. Code of Practice (CoP) One, Two and G Metering Systems and Scottish Code of Practice One (S1) and Two (S2) Metering Systems
2. Import/Export Metering Systems: those Metering Systems that record Import and Export electricity will be targeted for inspection, to ensure that the technical details have been correctly recorded in Settlement.
3. Multi-Feeder Metering Systems.
4. Complex Sites: those Metering Systems that cannot be adequately expressed via the D0268, Half Hourly Meter Technical Details, and where the MOA is required to provide additional information.

The registered MOA and LDSO will be responsible for and will use reasonable endeavours to provide complete and accurate Metering System data, ~~where they are the registered MOA or LDSO~~, upon request to the TAA or BSCCo for the purposes of Technical Assurance.

1.9.3 Main Sample – CVA and SVA

The TAA, on behalf of BSCCo, shall ensure that a representative sample of ~~Half Hourly~~ Metering Systems is inspected for both SVA and CVA Half Hourly Metering Systems. The selection of Metering Systems will be based upon consideration of:

- GSP Group (SVA Only)
- Registrant
- Meter Operator Agent
- Code of Practice
- Metering Equipment
- Previous inspection(s)

1.10 Information Required to Enable Sampling of Metering Systems

1.10.1 Specific Sample – SVA

In order to ensure that the relevant Metering Systems are inspected, ~~an annual request will be made by BSCCo to~~ each Registrant, LDSO or MOA where appropriate, to will provide details of all ~~those~~ Metering Systems ~~to be included within the specific sample~~ (described in section 1.9.2) so that a representative sample can be determined by the TAA. The Registrant will ~~be asked to~~ provide the following information for each Metering System:

- Metering System ID.
- GSP Group.
- MOA ID.
- HHDC ID.
- Site Address Details.
- Applicable CoP.
- Details of any current applicable Metering Dispensation.

~~These lists will be forwarded to the TAA who~~ will, on behalf of BSCCo, create a schedule of inspections that meets the PAB's agreed requirements.

1.10.2 Main Sample – CVA

The CDCA shall submit an electronic list of all Metering System IDs registered in the Central Meter Registration Service (CMRS), together with associated information to BSCCo. The lists shall be provided four times a year on dates agreed with BSCCo. The required information will be forwarded to the TAA to initiate the sample selection process.

The TAA will use reasonable endeavours to minimise the number of repeated inspections when selecting the Metering Systems to be inspected.

~~Initially the TAA shall~~ The TAA shall will select 10% more Metering System IDs than ~~those that~~ will be inspected. The additional 10% ~~selected~~ will enable the TAA to categorise the Metering Systems ~~to and~~ ensure that there is no bias towards any one Party, Metering Equipment type or sampling area ~~in any given sampling area~~. This initial sample will be sub-divided by Registrant and MOA.

BSCCo will provide additional guidance for the selection of sampled inspections.

On identification of the Metering System IDs the CDCA will be required to provide the following additional information in order to finalise the sample:

- Meter Technical Details for each Metering System ID (as detailed in BSCP20).

~~Metering Systems will be categorised to ensure that the sample is not biased towards any one party or type of Metering Equipment.~~ The relevant Registrant will then be notified of the Metering Systems to be inspected.

1.10.3 Main Sample – SVA

This is the main sample selection process (excluding those detailed in 1.9.2) for SVA Metering Systems.

Each SMRA shall ensure that the details it holds are updated daily to a central online database ~~submit an electronic list of all Half Hourly Metering System IDs (MSIDs) registered on its SMRS~~ in line with the requirements detailed in the Master Registration Agreement (MRA), together with any associated information as specified in BSCP501 to the PAA via BSCCo. The required information will then be ~~forwarded by BSCCo to~~ used by the TAA to initiate the sample selection process.

The TAA will use reasonable endeavours to minimise the number of repeated visits when selecting the Metering Systems to be inspected.

The TAA will select 10% more Metering System IDs than will be inspected. The additional 10% will enable the TAA to categorise the Metering Systems ensuring that there is no bias towards any one Party, Metering Equipment type or sampling area. ~~Initially the TAA shall select 10% more Metering System IDs than those that will be inspected. The additional 10% will be selected to enable the TAA to categorise the Metering Systems so as to ensure that there is no bias in any given sampling criteria.~~ This initial sample will be sub divided by GSP Group, Registrant and MOA.

Once the Metering System IDs have been identified the Registrant will be required to provide the following additional information in order to finalise the sample:

- Meter Technical Details for each Metering System ID (as detailed in the D0268, Half Hourly Meter Technical Details).

The relevant Registrant will then be notified of the Metering Systems to be inspected. Metering System IDs will then be categorised by the TAA to ensure that sample is not biased towards any one party or type of Metering Equipment. The finalised main sample will be forwarded to the Registrant as notification of the Metering System IDs to be inspected.

1.11 Re-Inspections

Where a category 1 or category 2 non-compliance has been identified and subsequently reported as rectified, it is possible that the Metering System will be re-inspected by the TAA to confirm compliance.

BSCCo will inform the TAA of the percentage of previously non-compliant Metering Systems which should be re-inspected. Re-inspections will be selected with consideration given to the category and number of non-compliances associated with the previous inspection.

The TAA will submit the proposed schedule of re-inspections to BSCCo for approval. At the end of a quarter, the TAA shall select a sample of 10% (or any other percentage as determined by the PAB) of the category 1 non-compliances that a participant has rectified during that quarter and shall carry out a re-inspection. Where a category 1 or category 2 non-compliance has been identified by the TAA and subsequently reported by the MOA, HHDC, CDCA or Registrant as rectified, it is possible that the Metering System will be re-inspected by the TAA to confirm compliance if it has been altered or amended in order to achieve compliance. BSCCo will inform the TAA of the percentage of previously non-compliant Metering Systems which should be re-inspected. Re-inspections will be selected with consideration given to the category and number of non-compliances associated with the previous inspection. The TAA will submit the proposed schedule of re-inspections to BSCCo for approval. At the end of a quarter, the TAA shall select a sample of 10% (or any other percentage as determined by the PAB) of the category 1 non-compliances that a participant has rectified during that quarter and then shall carry out an inspection during the following quarter of those Metering Systems that have been altered or amended in order to achieve compliance.

1.12 Targeted Inspections

Where the PAB requires assurance about a particular Metering System, they may request a targeted inspection to take place.

The PAB will use the following information when deciding to perform a targeted check:

- Previous non compliances;
- Performance related issues;

- Settlement error;
- Information provided by it's sub-committees; or
- The Panel.

1.121.13 Metering System Inspection

On selection of an appropriate Metering System the TAA shall notify the relevant Registrant, MOA and LDSO prior to the date of the intended Inspection Visit. The Registrant or a nominated representative will be invited to attend the Inspection Visit and shall make all reasonable best endeavours to ensure access to all Metering Equipment and, ~~if necessary,~~ will liaise with the LDSO or Transmission Company (if necessary) to arrange such access. The Registrant shall be required to ensure that the MOA and LDSO or Transmission Company (if necessary) will be in attendance and that the person attending the site is technically competent to discuss problems relating to any defects or non-compliances and able to agree the resolution of any defects or non-compliances.

The Registrant shall notify the TAA, prior to the intended Inspection Visit that the MOA will be in attendance. In addition the Registrant will inform the TAA of any other representatives that will be present at the Inspection Visit. Failure to ~~reply do~~ so will be reported to PAB at the discretion of BSCCo.

A MOA may appoint a competent third party who may attend on their behalf.

For SVA Metering Systems the Registrant shall obtain permission from the appropriate LDSO to gain independent access to the LDSO's equipment associated with the Metering System and the MOA shall allow access to the Meter and associated Metering Equipment for which it is responsible. The LDSO shall accede to such a request in a reasonable timeframe prior to the inspection visit as agreed with the Registrant.

For CVA Metering Systems ~~during the Inspection Visit~~ the Registrant (or its nominated representative) shall provide access to the Metering Equipment during the Inspection Visit.

The TAA may, with the agreement of the BSCCo, arrange for an urgent revisit (SVA and CVA Metering Systems) to be initiated. This will be at the expense of the Registrant if:

- The Registrant fails to arrange access on the agreed date and time or access cannot be obtained upon arrival by the TAA; or
- The MOA fails to attend an Inspection Visit.

Any costs incurred by the MOA as a result of its attendance at an Inspection Visit shall be met by the MOA.

Where the TAA has gained access to the Metering System but has been unable to complete the Inspection Visit, a result of 'incomplete Inspection Visit' and the reason for non completion will be recorded.

Where the TAA has been unable to gain access to the Metering System a result of 'no access-~~Inspection Visit~~' and the reason for no access will be recorded.

1.13.1.14 Additional Metering Equipment Details Required by the TAA

When a Metering System has been selected for inspection, the MOA will be required to provide the following additional Metering Equipment Technical Details prior to the Inspection Visit:

1.13.11.14.1 General Information

- Site name
- Site address
- Site telephone number

1.13.21.14.2 Accuracy

- Circuit Identifier
- Applicable CoP (including the specific Issue)
- Current applicable Metering Dispensation(s)
- Meter Calibration Certificates
- Current Transformer Test Certificates (including details of manufacturer, type, serial number and class)-
- Voltage Transformer Test Certificates (including details of manufacturer, type, serial number and class)-
- Applicable Meter Compensation values (including evidence to support the applied values)-

The determination of the overall accuracy of Metering Systems requires the provision of all associated measurement transformer errors. Details for the processes to be followed by the various parties for the provision of this information are given in section 4 of this BSCP.

1.13.31.14.3 Half Hourly Metering System Functional Information

- Channel Number(s) (for Active Energy)
- Measurement Quantity Id
- Date of First Registration

The HHDC will also be required to provide the Meter Technical Details prior to the Inspection Visit.

1.13.41.14.4 Half Hourly Metering System Functional Information

Failure to provide the above information to the TAA within the required timescales as defined in section 4 shall be classified as a non-compliance.

The TAA may request any additional information that is felt necessary and reasonable for any Metering System being audited. This additional information will also be provided by the registrant in a reasonable timeframe prior to the inspection visit where possible.

Where appropriate, all information to be provided to the TAA regarding an Inspection visit should be provided via the electronic online tool provided by the TAA.

1.141.15 Non-Compliance

The TAA shall raise a non-compliance if, after taking into account any Metering Dispensations:

- (a) The requirements of the Code and CSDs are not being adhered to;
- (b) The actual configurable Meter parameters are not consistent with the Meter Technical Details recorded in Settlement Systems as provided by the ~~Registrant, and~~ HHDC or CDCA, or MOA prior to the Inspection Visit.

The findings of the Inspection Visit will be recorded on an Inspection Schedule (~~BSCP27/03~~) and presented to the MOA at the time of the Inspection Visit. Wherever possible any identified non-compliances shall be rectified by the MOA at the time of the visit.

Categorisation of non compliances

<u>Category 1 Non Compliance</u>	<u>A non-compliance has been identified which is deemed to be currently affecting the quality of data for Settlement purposes.</u>
<u>Category 2 Non Compliance</u>	<u>A non-compliance has been identified which is deemed to have the potential to affect the quality of data for Settlement purposes</u>
<u>Observation</u>	<u>A non-compliance has been identified which is deemed neither to affect nor to have the potential to affect the quality of data for Settlement purposes</u>

- ~~•Where a non-compliance has been identified which is deemed to be currently affecting the quality of data for Settlement purposes shall be categorised as ‘category 1 non-compliant’.~~
- ~~•Where a non-compliance has been identified which is deemed to have the potential to affect the quality of data for Settlement purposes (but not currently affecting it) shall be categorised as ‘category 2 non-compliant’.~~

- ~~Where a non-compliance has been identified which is deemed neither to affect nor to have the potential to affect the quality of data for Settlement purposes shall be categorised as an ‘observation’.~~

On completion of an inspection, the TAA shall issue notices of compliance or non-compliance to the Registrant, ~~and~~ MOA, HHDC, LDSO and Transmission Company as appropriate; and

~~Where~~ Where a non-compliance has been determined, the TAA shall provide the Registrant with the details of the non-compliance.

Where a non-compliance has been determined the Registrant shall be responsible for progressing the rectification of the non-compliance and must submit a rectification plan to the TAA. The Registrant will be required to take all reasonable steps to ensure that the party that can take direct action ~~actually~~ does so, and that the Registrant pursues that party to the extent necessary. Where the BSCCo deems it necessary, non-compliances not rectified by the Registrant will be reported to the PAB who will decide on further action in accordance with BSCP538, Error and Failure Resolution.

The TAA ~~shall will~~ provide the Registrant with a reminder, ~~in the form of a re-issued non-compliance report~~, if the Registrant has failed to rectify the non-compliance within the required timescales. The reminder ~~should will~~ contain all appropriate information about the non-compliance.

1.151.16 Appeals

Where a non-compliance has been identified, this may be appealed by:

- The Registrant responsible for that Metering System; or
- The relevant MOA, HHDC, LDSO or the Transmission Company on behalf of the Registrant.

The non-compliance can be appealed as follows:

1. Initially to the TAA who will review the appeal and provide a response to the appellant.
2. If unsuccessful in 1, the appellant may pursue the appeal with BSCCo, or withdraw the appeal. If the appeal is not withdrawn, BSCCo will review the appeal and provide a response to the appellant.
3. If unsuccessful in 2, the appellant may pursue the appeal with the Panel, or withdraw the appeal. The Panel may choose to delegate this responsibility to the PAB.

The Registrant, ~~(or MOA, HHDC, LDSO or the Transmission Company~~ (or MOA, HHDC, LDSO or the Transmission Company on behalf of the Registrant), ~~is will be~~ required to provide evidence in support of the appeal.

1.161.17 Rectification Action

The Registrant (or MOA, LDSO, ~~or~~ HHDC or the Transmission Company on behalf of the Registrant) will rectify the non-compliance or provide a rectification plan (BSCP27/054), which will detail the appropriate milestones and actions to be taken in order to achieve rectification within the timescales required and set out in section 4.

1.171.18 Post Rectification Action

[NO CHANGE PROPOSED TO THIS SECTION]

1.181.19 Reporting

[NO CHANGE PROPOSED TO THIS SECTION]

1.191.20 Acronyms and Definitions

[NO CHANGE PROPOSED TO THIS SECTION]

2 Not Used

3 Interface and Timetable Information

3.1 Main Sample Selection Process – CVA and SVA

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.1.1	As specified in section 1.10.2 and 1.10.3	Request Metering System Ids and associated information.	BSCCo	CDCA or SMRA	Relevant information from HH Metering System Id, GSP Group, Registrant, MOA, HHDC and Measurement Class.	<u>As agreed</u> Email / Fax / Letter
<u>3.1.2</u>	<u>As specified in section 1.10</u>	<u>Request Metering System Ids and associated information.</u>	<u>TAA</u>	<u>SMRA</u>	<u>Relevant information from HH Metering System Id, GSP Group, Registrant, MOA, HHDC and Measurement Class.</u>	<u>As agreed</u>
3.1.23	Within 10 WD of request in 3.1.1	Provide Half Hourly Metering System Ids and associated information.	CDCA or SMRA	BSCCo	Relevant information from HH Metering System Id, GSP Group, Registrant, MOA, HHDC and Measurement Class.	<u>As agreed</u> Agreed format
<u>3.1.4</u>	<u>Within 10 WD of request in 3.1.1</u>	<u>Provide Half Hourly Metering System Ids and associated information.</u>	<u>SMRA</u>	<u>TAA</u>	<u>Relevant information from HH Metering System Id, GSP Group, Registrant, MOA, HHDC and Measurement Class.</u>	<u>As agreed</u>
3.1.35	Upon receipt of data in 3.1.23	Extract the required information relating to each Metering System Id (Measurement Class Id C) from the lists and provide the TAA with the data.	BSCCo	TAA	Lists of HH Metering System Ids and associated Registrant and MOA.	<u>As agreed</u> Agreed format

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.1. 46	Within 10 WD of receipt of data in 3.1. 4 and 3.1. 53	Randomly select 10% more Metering Systems than will be inspected for the forthcoming Quarter, as agreed by the BSCCo.	TAA		Lists of HH Metering System Ids and associated Registrant and MOA.	Internal process
3.1. 57	On completion of 3.1. 46 and at least 20 WD prior to the Inspection Visit	Request information.	TAA	MOA CDCA Registrant ¹ (as necessary)	Meter Technical Details Additional Metering Equipment Technical Details. BSCP514/8.4.8a Complex Site Supplementary Information Form, where applicable (SVA only).	Email / Fax / Letter
3.1.6	On completion of 3.1.4 and at least 20 WD prior to the Inspection Visit	Request information.	TAA	HHDC or CDCA	Meter Technical Details. BSCP514/8.4.8a Complex Site Supplementary Information Form, where applicable (SVA only).	Email / Fax / Letter
3.1. 78	Within 10 WD of receipt of TAA request in 3.1. 57 as necessary	Provide information (as necessary).	Registrant	TAA	Meter Technical Details. Additional Metering Equipment Technical Details. BSCP514/8.4.8a Complex Site Supplementary Information Form, where applicable (SVA only).	Email / Fax / Letter

¹ It is the responsibility of the Registrant to provide the requested information to the TAA. However, the MOA can provide the information at the request of the Registrant.

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.1. 89	Where CVA: Within 10 WD of receipt of TAA request in 3.1. 75 Where SVA: On the day of the Inspection Visit or within 10 WD of receipt of TAA request in 3.1. 75	Provide Information.	MOA	TAA	Meter Technical Details. Additional Metering Equipment Technical Details. BSCP514/8.4.8a Complex Site Supplementary Information Form, where applicable (SVA only).	Email / Fax / Letter (CVA) As Agreed (SVA)
3.1. 910	Within 10 WD of receipt of TAA request in 3.1. 67	Provide information.	HHDC or CDCA	TAA	Meter Technical Details. BSCP514/8.4.8a Complex Site Supplementary Information Form, where applicable (SVA only).	Email / Fax / Letter
3.1. 1011	Upon receipt of data requested in 3.1. 5 and 3.1. 67	Finalise sample of HH Metering System to avoid bias towards any one party or type of Metering Equipment and derive inspection schedule. Collate information required for the inspection. Proceed to Section 3.5 (Inspection Visit).	TAA			Internal process

3.2 Specific Sample Selection Process – SVA Only

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.2.1	At PAB meeting	Agree and notify BSCCo of Specific Sample.	PAB	BSCCo	Number and type of each Metering System to form Specific Sample.	Report / Letter
3.2.2	Within 10 WD of decision at 3.2.1	Request information from each Registrant, MOA and LDSO for all relevant Specific Sample Metering Systems registered in SMRSs.	BSCCo <u>TAA</u>	Registrant, MOA and LDSO	Information about Specific Sample Metering Systems as requested.	Email / Fax / Letter <u>As agreed</u>
3.2.3	Within 20 WD of receipt of request at 3.2.2	Provide information on all Specific Sample Metering Systems as requested.	Registrant, MOA and LDSO	BSCCo <u>TAA</u>	Information about Specific Sample Metering Systems as requested.	Email / Fax / Letter <u>As agreed</u>
3.2.4	Within 5 WD of receipt of information in 3.2.3	Supply information to TAA.	BSCCo	TAA	Information for each Registrants' Specific Sample Metering Systems registered in SMRSs.	Email / Fax / Letter
3.2.5 <u>4</u>	Upon receipt of information from BSCCo	Randomly select the agreed number of each type of Metering System which comprises the agreed Specific Sample group.	TAA		Select sample as instructed by BSCCo.	Internal process
3.2.6 <u>5</u>	At least 20 WD prior to the Inspection Visit	Request information.	TAA	MOA Registrant (as necessary)	Meter Technical Details. Additional Metering Equipment Technical Details. BSCP514/8.4.8a Complex Site Supplementary Information Form, where applicable (SVA only).	Email / Fax / Letter <u>As agreed</u>
3.2.7 <u>6</u>	At least 20 WD prior to the Inspection Visit	Request information.	TAA	HHDC	Meter Technical Details. BSCP514/8.4.8a Complex Site Supplementary Information Form, where applicable (SVA only).	Email / Fax / Letter <u>As agreed</u>

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.2. 87	Within 10 WD of receipt of request in 3.2. 65 as necessary	Provide information (as necessary).	Registrant	TAA	Meter Technical Details. Additional Metering Equipment Technical Details. BSCP514/8.4.8a Complex Site Supplementary Information Form, where applicable (SVA only).	Email / Fax / Letter As agreed
3.2. 98	On the day of the Inspection Visit or within 10 WD of receipt of TAA request in 3.2. 65	Provide information	MOA	TAA	Meter Technical Details. Additional Metering Equipment Technical Details BSCP514/8.4.8a Complex Site Supplementary Information Form, where applicable (SVA only)	As agreed
3.2. 109	Within 10 WD of receipt of request in 3.2. 76	Provide information.	HHDC	TAA	Meter Technical Details. BSCP514/8.4.8a Complex Site Supplementary Information Form, where applicable (SVA only).	Email / Fax / Letter As agreed
3.2. 110	Prior to Inspection Visit	Collate information required for inspection. Proceed to Section 3.5.	TAA			Internal process

3.3 Determination of Metering Systems for Targeted Inspections

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.3.1	At any time	Provide information on SVA Half Hourly or CVA Metering Systems that may require a targeted inspection.	Market Participant, PAA, Panel, PAB or TAA BSCCo	BSCCo	Metering System with reasons and supporting evidence of suspected non-compliance.	Email / Fax / Letter Internal process <u>As agreed</u>
3.3.2	Within 5 WD of receipt of information in 3.3.1	Determine Metering System that requires a targeted inspection.	BSCCo		Suspected non-compliance.	Internal process
3.3.3	Within 1 WD of 3.3.2.	Instruct the TAA to carry out a targeted inspection and inform the TAA of the urgency.	BSCCo	TAA	Metering System and reason for targeted inspection.	Email / Fax / Letter <u>As agreed</u>
3.3.4	At least 20WD prior to the Inspection Visit	Request information.	TAA	MOA Registrant (as necessary)	Meter Technical Details Additional Metering Equipment Technical Details. BSCP514/8.4.8a Complex Site Supplementary Information Form, where applicable (SVA only)..	Email / Fax / Letter <u>As agreed</u>
3.3.5	At least 20WD prior to the Inspection Visit	Request information.	TAA	HHDC or CDCA	Meter Technical Details. BSCP514/8.4.8a Complex Site Supplementary Information Form, where applicable (SVA only).	Email / Fax / Letter <u>As agreed</u>

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.3.6	Within 10 WD of receipt of the request in 3.3.4 as necessary	Provide information (as necessary).	Registrants	TAA	Meter Technical Details. Additional Metering Equipment Technical Details. BSCP514/8.4.8a Complex Site Supplementary Information Form, where applicable (SVA only).	Email / fax / letter <u>As agreed</u>
3.3.7	Where CVA: Within 10 WD of receipt of TAA request in 3.3.4 Where SVA: On the day of the Inspection Visit or within 10 WD of receipt of TAA request in 3.3.4	Provide information.	MOA	TAA	Meter Technical Details. Additional Metering Equipment Technical Details. BSCP514/8.4.8a Complex Site Supplementary Information Form, where applicable (SVA only).	Email / Fax / Letter (CVA) <u>As agreed (SVA)</u> <u>As agreed</u>
3.3.8	Within 10 WD of receipt of the request in 3.3.5	Provide information.	HHDC or CDCA	TAA	Meter Technical Details. BSCP514/8.4.8a Complex Site Supplementary Information Form, where applicable (SVA only).	Email / Fax / Letter <u>As agreed</u>
3.3.9	Prior to Inspection Visit	Collate information required for Inspection Visit and proceed to section 3.5.	TAA			Internal process

3.4 Selection of Metering Systems for Re-inspections

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.4.1	On a Quarterly basis	Identify Metering Systems that were found to be non-compliant and have since been notified as rectified. Randomly select Metering Systems in accordance with the percentage agreed by BSCCo.	TAA		Previous inspection history. Percentages as agreed by BSCCo.	Internal process
3.4.2	Within 2 WD of 3.4.1	Provide BSCCo with schedule of proposed re-inspections for authorisation.	TAA	BSCCo	Schedule of proposed re-inspections.	Email / Fax / Letter As agreed
3.4.3	Within 2 WD of 3.4.2	Analyse proposed schedule of re-inspections and either agree schedule or request amendments. Go back to 3.4.2 if required.	BSCCo	TAA	Schedule of proposed re-inspections.	Email / Fax / Letter As agreed
3.4.4	At least 20WD prior to the Inspection Visit	Request information.	TAA	MOA Registrant (as necessary)	Meter Technical Details. Additional Metering Equipment Technical Details. BSCP514/8.4.8a Complex Site Supplementary Information Form, where applicable (SVA only).	Email / Fax / Letter As agreed
3.4.5	At least 20WD prior to the Inspection Visit	Request information.	TAA	HHDC or CDCA	Meter Technical Details. BSCP514/8.4.8a Complex Site Supplementary Information Form, where applicable (SVA only).	Email / Fax / Letter As agreed

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.4.6	Within 10 WD of receipt of request at 3.4.4 as necessary	Provide information (as necessary).	Registrant	TAA	Meter Technical Details. Additional Metering Equipment Technical Details. BSCP514/8.4.8a Complex Site Supplementary Information Form, where applicable (SVA only).	Email / Fax / Letter <u>As agreed</u>
3.4.7	Where CVA: Within 10 WD of receipt of TAA request in 3.4.4 Where SVA: On the day of the Inspection Visit or within 10 WD of receipt of TAA request in 3.4.4	Provide information.	MOA	TAA	Meter Technical Details. Additional Metering Equipment Technical Details. BSCP514/8.4.8a Complex Site Supplementary Information Form, where applicable (SVA only).	Email / Fax / Letter (CVA) <u>As agreed (SVA)</u> <u>As agreed</u>
3.4.8	Within 10 WD of receipt of request at 3.4.5	Provide information.	HHDC or CDCA	TAA	Meter Technical Details. BSCP514/8.4.8a Complex Site Supplementary Information Form, where applicable (SVA only).	Email / Fax / Letter <u>As agreed</u>
3.4.9	Prior to Inspection Visit	Collate information for Inspection Visit and proceed to Section 3.5.	TAA			Internal process

3.5 Inspection Visit

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.5.1	At least 20 WD prior to an Inspection Visit	Notify Registrant, LDSO and MOA of HH Metering System identified for Inspection Visit.	TAA	Registrant, LDSO and MOA	Date, time and Metering System to be inspected. (as detailed in Appendix 4.5.1 - BSCP27/01)	Email / Fax / Letter As agreed
3.5.2	Within 10 WD of receipt of notification in 3.5.1.	Arrange for access to Metering System for the purposes of an Inspection Visit.	Registrant	MOA, Customer, and if necessary LDSO	Date, time and Metering System to be inspected.	As agreed
3.5.3	At least 5WD prior to an Inspection Visit	Notify the TAA and MOA of acceptance of impending Inspection Visit and those parties attending.	Registrant	TAA MOA	Acceptance of terms and required attendees of an impending Inspection Visit. (as detailed in Appendix 4.5.2 - BSCP27/02).	As agreed
<u>3.5.4</u>	<u>At least 5WD prior to an Inspection Visit</u>	<u>Registrant, LDSO, MOA to provide required information to the TAA for the purposes of the Inspection Visit.</u>	<u>Registrant</u> <u>MOA</u> <u>LDSO</u>	<u>TAA</u>	<u>Meter Technical Details.</u> <u>Additional Metering Equipment Technical Details.</u> <u>BSCP514/8.4.8a Complex Site Supplementary Information Form, where applicable (SVA only).</u>	<u>As agreed</u>
<u>3.5.4</u> <u>5</u>	On the day of the Inspection Visit	TAA performs Inspection Visit with MOA in attendance.	TAA and MOA			

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.5.5 <u>6</u>	On completion of Inspection Visit <u>Within 2 WD of completion of the Inspection Visit</u>	TAA produces Inspection Visit findings and determines Metering System compliance. At same time as steps in 3.5.6 also proceed to 3.5.7. <u>If a category 1 or 2 non compliance identified, initiate process 3.6.</u> <u>If an observation is identified – notify the relevant parties</u> <u>If Inspection Visit is identified as compliant – notify the relevant parties.</u>	TAA MOA	<u>Registrant and MOA, HHDC, LDSO (or Transmission Company) if appropriate</u>	Completed and signed Inspection Schedule (Appendix 4.5.3– BSCP27/03).	<u>As agreed</u>
3.5.6	Within 2 WD of completion of the Inspection Visit	a) If an Inspection Visit has revealed a non-compliance that is currently affecting or has the potential to affect the quality of metered data entering Settlement (category 1 or 2 non-compliance); initiate process in Section 3.6, “Category 1 or 2 Non-Compliance”. b) If an Inspection Visit has revealed a non-compliance that is not currently affecting Settlement nor has the potential to affect Settlement then the TAA records the non-compliance as an observation and reports this to the relevant parties.	TAA TAA	 Registrant, MOA and if appropriate LDSO	 Appendix 4.5.3– BSCP27/03.	 Email / Fax / Letter
		c) If an Inspection Visit shows a Metering System to be compliant notify the relevant parties of compliance, subject to the results of the Consumption Data Comparison Check.	TAA	Registrant or MOA and if appropriate LDSO	Appendix 4.5.3– BSCP27/03.	Email / Fax / Letter
3.5.7	Within 2 WD of completion of Inspection Visit	Request current actual consumption data held by the CDCA or HHDC for the same period as recorded during the Inspection Visit.	TAA	CDCA or HHDC	Current actual consumption data held by the CDCA or HHDC for the same HH period.	Email / Fax / Letter <u>As agreed</u>
3.5.8	Within 5 WD of receipt of request	Provide HH data requested in 3.5.7.	CDCA or HHDC	TAA	HH data.	Email / Fax / Letter <u>As agreed</u>

3.6 Category 1 or 2 Non-Compliance

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.6.1	Within 2WD of an Inspection Visit (3.5.6a)	a) Notify the Registrant, MOA, and HHDC/CDCA <u>LDSO and Transmission Company as relevant</u> of non-compliance. Notify LDSO where appropriate. If the visit was a targeted visit notify BSCCo.	TAA	Registrant, MOA, and HHDC, CDCA, LDSO <u>or</u> <u>Transmission Company</u> if appropriate; BSCCo (for targeted visit only)	Specific details of category 1 or 2 non-compliance (<u>Completed and signed Inspection Schedule Appendix 4.5.3—BSCP27/03</u>).	Email / Fax / Letter <u>As agreed</u>
<u>3.6.2</u>	or within Within 2WD of performing Consumption Data Comparison Check (3.5.9a)	b) Notify the Registrant, and CDCA/HHDC of non-compliance. If appropriate <u>relevant</u> notify the MOA. If the visit was a targeted visit notify BSCCo.	TAA	Registrant, and HHDC/CDCA ; MOA (if appropriate); BSCCo (for targeted visit only)	Specific details of category 1 or 2 non-compliance (<u>Completed and signed Inspection Schedule Appendix 4.5.4—BSCP27/04</u>).	Email / Fax / Letter <u>As agreed</u>

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.6.32	Within 1WD of receiving notification in 3.6.1.	Inform the TAA that a non-compliance notification has been received.	Registrant	TAA	Acknowledgement.	Email / Fax / Letter As agreed
3.6.34	Within 10WD of receiving non-compliance notification in 3.6.1- e Or following 3.6.56, 3.6.7b8, 3.7.2a or 3.7.4a3	a) Where the Registrant, MOA, or HHDC, or CDCA, LDSO or Transmission Company agrees that metering defects are non-compliant; provide a rectification plan to the TAA or rectify the Metering System defects ² and inform the TAA of action taken. Proceed to Section 3.6.7. b) Where the Registrant or MOA disagrees the non-compliances raised; inform the TAA and follow the appeal process set out in 3.7.	Registrant, MOA, or HHDC, or CDCA, LDSO or Transmission Company Registrant, MOA	TAA TAA	Details of the Rectification action taken, or a rectification plan (Appendix 4.5.5 - BSCP27/05). Non-compliance appealed and reason for disagreement	Email / Fax / Letter Email / Fax / Letter
		b) Where the Registrant or MOA disagrees the non-compliances raised; inform the TAA and follow the appeal process set out in 3.7.	Registrant MOA	TAA	Non-compliance appealed and reason for disagreement.	Email / Fax / Letter
3.6.45	On 11 th WD after notifying a Registrant of non-compliance	Where an appeal has <i>not</i> been received, and no rectification details or plan are received from the Registrant MOA, or HHDC/CDCA, send a reminder notification to the Registrant, MOA, and HHDC/CDCA, requesting a rectification plan or details of the rectification action taken.	TAA	Registrant, MOA or HHDC/CDCA	Details of non-compliance.	Email / Fax / Letter
3.6.56	Within 1WD of receiving notification in Ref. 3.6.45	Inform the TAA that a reminder notification has been received and proceed to 3.6.3.	Registrant, MOA and HHDC/CDCA	TAA	Acknowledgement of reminder notification.	Email / Fax / Letter As agreed

² It should be noted that it is the responsibility of the Registrant to progress any non-compliances associated with a Settlement Metering System. However, the MOA can progress the rectification of a non-compliance at the request of the Registrant and will follow the actions of the Registrant detailed in this process.

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.6.67	Within 3WD of 3.6.46	Where no rectification plan or details of the rectification action taken are received, escalate the Registrant, MOA, and HHDC/CDCA. Report to BSCCo. Inform the Registrant, MOA, and HHDC/CDCA that they have failed to provide adequate rectification details and will be reported to BSCCo.	TAA TAA	BSCCo Registrant, MOA or HHDC/CDCA		Email / Fax / Letter
3.6.78	Within 2WD of 3.6.3a-4a or following 3.6.8a9a	Analyse the Information provided. <u>a) Where the Registrant, MOA or HHDC/CDCA has provided adequate information to show rectification action is complete close the non-compliance and notify the Registrant and MOA and HHDC/CDCA. Process ends.</u> <u>b) Where the Registrant, MOA or HHDC/CDCA does not provide: adequate information to show rectification action is complete; or a complete rectification plan; notify the Registrant and , MOA, and HHDC/CDCA with the reasons and proceed to 3.6.3.</u> <u>c) Where the Registrant, MOA or HHDC/CDCA provides an adequate rectification plan, notify the Registrant and MOA and HHDC/CDCA that the plan is satisfactory.</u>	TAA	<u>Registrant, MOA and HHDC/CDCA ; and LDSO (if appropriate)</u> <u>Registrant, MOA and HHDC/CDCA ; and LDSO (if appropriate)</u> <u>Registrant, MOA and HHDC/CDCA ; and LDSO (if appropriate)</u>	<u>Rectification plan.</u>	Internal process <u>As agreed</u> <u>As agreed</u> <u>As agreed</u>

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
		a) Where the Registrant, MOA or HHDC/CDCA has provided adequate information to show rectification action is complete close the non compliance and notify the Registrant and MOA and HHDC/CDCA. Process ends. b) Where the Registrant, MOA or HHDC/CDCA does not provide adequate information to show rectification action is complete; or a complete rectification plan; notify the Registrant and , MOA, and HHDC/CDCA with the reasons and proceed to 3.6.3. c) Where the Registrant, MOA or HHDC/CDCA provides an adequate rectification plan, notify the Registrant and MOA and HHDC/CDCA that the plan is satisfactory.	TAA	Registrant, MOA and HHDC/CDCA ; and LDSO (if appropriate)		Email / Fax / Letter
			TAA	Registrant, MOA and HHDC/CDCA		Email / Fax / Letter
			TAA	Registrant, MOA and HHDC/CDCA	Rectification plan.	Email / Fax / Letter
3.6.89	As appropriate for the milestones in the rectification plan	Monitor completion of milestones in the rectification plan. Analyse the information required. a) Where the milestones have been met provide confirmation to the Registrant, MOA, HHDC/CDCA, and BSCCo. If the final milestone has been met proceed to 3.6.8a. b) Where the milestones have not been met or no information is received regarding the completion of milestones from the Registrant, MOA or HHDC/CDCA Report to BSCCo. Notify the Registrant and MOA, and HHDC/CDCA that they have failed to meet the timescales of the rectification plan and will be reported to BSCCo.	TAA	Registrant, MOA, HHDC/CDCA and BSCCo BSCCo Registrant, MOA, HHDC/CDCA		Internal process As agreed Email / Fax / Letter Email / Fax / Letter

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
		a) Where the milestones have been met provide confirmation to the Registrant, MOA, HHDC/CDCA, and BSCCo. If the final milestone has been met proceed to 3.6.7a.	TAA	Registrant, MOA, HHDC/CDCA, and BSCCo		Email / Fax / Letter
		b) Where the milestones have not been met or no information is received regarding the completion of milestones from the Registrant, MOA or HHDC/CDCA Report to BSCCo.	TAA	BSCCo		Email / Fax / Letter
		Notify the Registrant and MOA, and HHDC/CDCA that they have failed to meet the timescales of the rectification plan and will be reported to BSCCo.	TAA	Registrant and MOA, and HHDC/CDCA		

3.7 Appeal Process

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.7.1	Within 5WD of receipt of appeal details at 3.6. 3b <u>4b.</u>	TAA considers the grounds for the appeal. <u>a) Decide that the appeal is valid and withdraw the non-compliance. Notify the Registrant and/or MOA of the decision and that the issue is now closed. Process ends.</u> <u>b) Decide that the appeal is not valid and inform the Registrant and MOA that the non-compliance will be upheld.</u> a) Decide that the appeal is valid and withdraw the non-compliance. Notify the Registrant and/or MOA of the decision and that the issue is now closed. Process ends. b) Decide that the appeal is not valid and inform the Registrant and MOA that the non-compliance will be upheld.	TAA TAA TAA	<u>Registrant or MOA</u> <u>Registrant or MOA</u> Registrant, MOA and LDSO (if appropriate) Registrant and MOA	Reasons why the non-compliance has been appealed <u>Details of why the non-compliance has been removed</u> <u>Details of why non-compliance is still valid</u> Details of why the non-compliance has been removed. Details of why non-compliance is still valid.	Internal process <u>Email / Fax / Letter</u> <u>Email / Fax / Letter</u> Email / Fax / Letter Email / Fax / Letter
3.7.2	Within 5WD of receiving notification in section 3.7.1b	Registrant or MOA considers appeal decision. <u>a) If Registrant or MOA accept decision; inform TAA and proceed to 4.6.4a.</u> <u>b) If Registrant or MOA still disagree with the non-compliance acknowledge receipt of decision and notify TAA of further appeal. Notify BSCCo of the appeal</u> a) If Registrant or MOA accept decision; inform TAA and proceed to 3.6.3a.	-Registrant or MOA Registrant or MOA	<u>TAA</u> <u>TAA</u> <u>BSCCo</u>	Reasons why the non-compliance has been upheld. <u>Acknowledgement of receipt of appeal decision and further appeal.</u>	<u>Email / Fax / Letter</u> <u>Email / Fax / Letter</u> Email / Fax / Letter

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
		b) If Registrant or MOA still disagree with the non-compliance acknowledge receipt of decision and notify TAA of further appeal. Notify BSCCo of the appeal.	Registrant or MOA	TAA BSCCo	Acknowledgement of receipt of appeal decision and further appeal. Reasons why the non-compliance has been re-appealed by the Registrant and/or MOA.	Email / Fax / Letter
3.7.3	Within 20 WD of receipt of the appeal at 3.7.2b	BSCCo considers the grounds for the appeal. <u>a) Decide that the appeal is valid and withdraw the non-compliance. Notify the relevant parties of the decision and that the issue is now closed. Process ends.</u> <u>(b) Decide that the appeal is not valid and inform the relevant parties that the non-compliance will be upheld.</u>	BSCCo	<u>Registrant, MOA and LDSO (if appropriate); TAA</u> <u>Registrant, MOA and LDSO (if appropriate); TAA</u>	<u>Details of why the non-compliance has been appealed.</u> <u>Details of why the non-compliance has been removed.</u> <u>Details of why non-compliance is still valid.</u>	<u>Internal process</u> <u>Email / Fax / Letter</u> <u>Email / Fax / Letter</u>
		a) Decide that the appeal is valid and withdraw the non-compliance. Notify the relevant parties of the decision and that the issue is now closed. Process ends.	BSCCo	Registrant, MOA and LDSO (if appropriate); TAA	Details of why the non-compliance has been removed.	Email / Fax / Letter
		(b) Decide that the appeal is not valid and inform the relevant parties that the non-compliance will be upheld.	BSCCo	Registrant and MOA; TAA	Details of why non-compliance is still valid.	Email / Fax / Letter
3.7.4	Within 5 WD of receiving	Registrant or MOA considers appeal decision.	Registrant or MOA		Reasons why the non-compliance has been	

³ The Panel may delegate this to the PAB.

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
	notification in 3.7.3-b	<u>a) If Registrant or MOA accept decision; inform BSCCo and TAA. Proceed to 3.6.3a.</u> <u>b) If Registrant or MOA still disagree with the non-compliance acknowledge receipt of decision. Notify BSCCo that they wish to present appeal to the Panel³.</u> <u>The Registrant or MOA may request attendance at the next PAB/Panel meeting.</u>		<u>TAA</u> <u>BSCCo</u> <u>BSCCo</u>	upheld. <u>Acknowledgement of receipt of appeal decision.</u> <u>Reasons why the non-compliance has been appealed.</u>	<u>Email / Fax / Letter</u> <u>Email / Fax / Letter</u>
		a) If Registrant or MOA accept decision; inform BSCCo and TAA. Proceed to 3.6.3a. b) If Registrant or MOA still disagree with the non-compliance acknowledge receipt of decision. Notify BSCCo that they wish to present appeal to the Panel.⁴ The Registrant or MOA may request attendance at the next PAB/Panel meeting.	Registrant or MOA Registrant or MOA	TAA BSCCo BSCCo	Acknowledgement of receipt of appeal decision. Reasons why the non-compliance has been appealed.	Email / Fax / Letter Email / Fax / Letter
3.7.5	Within 1WD of receipt of the appeal details in 3.7.4-b	Notify the TAA of appeal to Panel.	BSCCo	TAA	Reasons why the non-compliance has been appealed.	Email / Fax / Letter <u>As agreed</u>
3.7.6	At next appropriate meeting of the PAB or Panel	BSCCo reports the appeal details to the Panel for decision.	BSCCo	PAB / Panel	Details of non-compliance and details of why the non-compliance has been appealed by the Registrant or MOA	<u>PAB or Panel</u> Paper

⁴ The Panel may delegate this to the PAB.

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.7.7	At PAB or Panel meeting	Panel considers the grounds of the appeal and decides whether to uphold or -withdraw the non-compliance. <u>(a) PAB/Panel decides that the appeal is valid and informs the relevant parties to withdraw the non-compliance. Process ends.</u> <u>(b) PAB/Panel decides that the appeal is not valid and informs the relevant parties to continue with the non-compliance procedure. Proceed to 3.6.3a.</u>	PAB / Panel <u>PAB / Panel via BSCCo</u> <u>PAB / Panel via BSCCo</u>	Registrant, MOA and LDSO (if appropriate); TAA Registrant and MOA; TAA	Report from the TAA and BSCCo. <u>The PAB / Panel's decision and reasons why the appeal has been accepted.</u> <u>The PAB / Panel's decision and reasons why the appeal has not been accepted.</u>	<u>Email / Fax / Letter</u> <u>Email / Fax / Letter</u>
		(a) PAB/Panel decides that the appeal is valid and informs the relevant parties to withdraw the non-compliance. Process ends. (b) PAB/Panel decides that the appeal is not valid and informs the relevant parties to continue with the non-compliance procedure. Proceed to 3.6.3a.	PAB / Panel via BSCCo PAB / Panel via BSCCo	Registrant, MOA and LDSO (if appropriate); TAA Registrant and MOA; TAA	The PAB / Panel's decision and reasons why the appeal has been accepted. The PAB / Panel's decision and reasons why the appeal has not been accepted.	Email / Fax / Letter Email / Fax / Letter

3.8 Reporting

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.8.1	Monthly	Provide BSCCo with a report of the results of all Inspection Visits completed in the previous month and details of all outstanding non-compliances.	TAA	BSCCo		Agreed format <u>As agreed</u>
3.8.2	On or before PAB or Panel paper day	Provide the PAB or Panel with details of Inspection Visits completed by the TAA in the previous month and details of all outstanding non-compliances.	BSCCo	SVA — PAB CVA — Panel <u>PAB</u>		Report
3.8.3	At the PAB or Panel meeting	Determine what action, if any, needs to be taken in respect of a non-compliant Registrant. The PAB or Panel may also choose to initiate the Removal of Qualification Process for a MOA.	SVA — PAB CVA — Panel <u>PAB</u>		Details of Inspection Visits completed by the TAA in the previous month and details of all outstanding non-compliances.	Removal of Qualification Process is defined in BSCP537.

4 Appendices

4.1 Description of Inspection Checks

This appendix describes the tests & checks that may be required to be carried out by the TAA as part of an Inspection Visit, as determined by the PAB. This is not an exhaustive list.

4.1.1 Measurement Transformer Specification (where appropriate)

Where possible check the:

- (a) Ratio, class, rated burden and polarity from the labels physically attached to the measurement transformers and/or the identification plates attached to switchgear or other enclosures containing measurement transformers (in practice this will not always be practical for safety reasons). And
- (b) Test records/certificates detailing specific measured errors held by the LDSO, or asset-equipment owner, associated with the measurement transformers on site or from agreed Generic CT/VT certificates (SVA) in the case of CTs and VTs.

4.1.2 Meter Technical Details

Check to ensure that the actual Meter Technical Details conform to those recorded in Settlement Systems using:

- (a) Information provided by the CDCA (CVA), Registrant (SVA) or Party Agent in accordance with Section 1.14 of this BSCP, including any measurement transformer error offsets & commissioning details.
- (b) Information supplied to the CDCA, HHDC and MOA~~Half Hourly Data Collector~~.

(This may require a remote/local interrogation of data for comparison purposes).

4.1.3 Accuracy

[NO CHANGE PROPOSED TO THIS SECTION]

4.1.4 Correct Energy Measurement Check

[NO CHANGE PROPOSED TO THIS SECTION]

4.1.5 Consumption Data Comparison Check

[NO CHANGE PROPOSED TO THIS SECTION]

4.1.6 Code of Practice Compliance

[NO CHANGE PROPOSED TO THIS SECTION]

4.1.7 Quality of Installation

[NO CHANGE PROPOSED TO THIS SECTION]

4.1.8

The TAA will perform an estimated metered error calculation to be included in the Annual Report to the PAB to provide an indication of the impact on settlements, in particular the impact that category 1 non-compliances may be having.~~Estimating Metered Error and Material Settlement Error for Category 1 Non-Compliances~~

~~A Metering System may be recording energy incorrectly due to non-compliance. However this metered error may not be passed into Settlement due to validation and estimation activities undertaken as part of normal Settlement processes. This approach is focused on identifying the potential metered error in kWh and making the distinction with a materiality impact that could result from non-compliance.~~

~~The basis of this derivation is that if a non-compliance can be quantified, even in an indicative manner, it will provide the PAB with an enhanced insight into the magnitude of the issue. The basis of the approach is as follows:~~

- ~~1. Identify the applicable CoP against which the non-compliance has been identified e.g. CoP 1.~~
- ~~2. Select a value at the mid-point of the range dictated by the specific CoP.~~
- ~~3. Identify the likely Load factor to be applied. It is recognised that in many cases this will be dependent on the nature of the customers operation, but an average value will suffice.~~
- ~~4. Estimate the materiality of the non-compliance in terms of absolute kWh or a percentage value, e.g. the Meter records 33% of actual energy consumed or the Meter has under recorded by 150,000 kWh in 3 months.~~
- ~~5. Derive the potential Materiality for a year, based on 8760 hours in a year.~~

~~This is best illustrated as follows;~~

~~If a Meter with a non-compliance against it was:~~

- ~~• a CoP 3 Meter (1MW to 10MW), implies using 5.5 MW as mid-point of range;~~
- ~~• resulted in an estimated error of +30%;~~
- ~~• an assumed average Load Factor of 50%.~~

~~The derivation of potential Materiality for a year would then be as follows:~~

- ~~• $5.5 \text{ MW} \times 30\% \text{ error} \times 50\% \text{ LF} \times 8760 \text{ hours} = 7,227 \text{ MWh}$~~

~~For a CoP 1 Meter over 100 MVA a value of 200MW should be used.~~

4.2 Not Used

4.3 Provision of Measurement Transformer Certificates for Metering Equipment

4.3.1 Objective

[NO CHANGE PROPOSED TO THIS SECTION]

4.3.2 Ownership

[NO CHANGE PROPOSED TO THIS SECTION]

4.3.3 Responsibilities

[NO CHANGE PROPOSED TO THIS SECTION]

4.3.4 Procedures for CoP1,CoP2, S1 and S2

[NO CHANGE PROPOSED TO THIS SECTION]

4.3.5 Procedures for CoP3, CoP5, S3 and S5

The MOA should obtain the necessary measurement transformer error certificates from the Equipment Owner. This should be provided within 10 WD of the request.⁵

~~Where the LV CTs are of accuracy class 0.5 or below the TAA will not require the MOA to obtain the CT certificates and the error shall be deemed that of the accuracy class in both directions for the purpose of establishing the overall error.~~

If the necessary error certificates are not readily available the Equipment Owner must provide the MOA, (still within the 10 WD of the request), with one of the following:

- Copies of the original certificates
- A generic certificate.

A generic certificate needs to be approved by the Panel. In order to approve a generic certificate, the Panel requires evidence that the statistical analysis method used is robust. The statistical analysis needs to be specific to ratio, make, rating, class and type.

When carrying out an audit the TAA will ask the MOA for the measurement transformer error certificates. The MOA will provide to the TAA, the information provided ~~to him~~ by the LDSO.

4.4 Details of Forms for use in Technical Assurance

⁵ Where the LV CTs are of accuracy class 0.5 or below the TAA will not require the MOA to obtain the CT certificates and the error shall be deemed that of the accuracy class in both directions for the purpose of establishing the overall error.

For the purposes of Technical Assurance the following forms can be utilised. However all exchange of information required⁶ is encouraged through the use of the electronic online tool, as provided by the TAA~~will be utilised:~~

BSCP27/01 - Notification of an Inspection Visit.

BSCP27/02 - Confirmation of Attendance at Technical Assurance Inspection Visit.

BSCP27/03 – ~~No longer used~~~~Inspection Schedule for Half Hourly Metering Systems – Part 1~~

BSCP27/04 – ~~No longer used~~~~Inspection Schedule for Half Hourly Metering Systems – Part 2~~

BSCP27/05 - Rectification Plan.

4.4.1 Notice of Inspection Visit – BSCP27/01

[NO CHANGE PROPOSED TO THIS SECTION]

4.4.2 Confirmation of Attendance – BSCP27/02

[NO CHANGE PROPOSED TO THIS SECTION]

4.4.3 Inspection Schedule for Half Hourly Metering Systems – Part 1 – BSCP27/03

~~No longer used~~~~The inspection schedule is used by the TAA to record details of the Inspection Visit on Site.~~

4.4.4 Inspection Schedule for Half Hourly Metering Systems – Part 2 – BSCP27/04

~~No longer used~~~~The inspection schedule is used by the TAA to record details of the Consumption Data Comparison Check.~~

4.4.5 Rectification Plan – BSCP27/05

[NO CHANGE PROPOSED TO THIS SECTION]

4.5 Forms

Copies Details of all forms follow below in section 4.5.1.

All forms must contain the information stipulated.

⁶ The TAA is able to request any additional information in relation to any Metering System, and is not restricted to the Metering Systems which are being physically audited.

4.5.1 **BSCP27/01 - Notification of Inspection Visit SVA / CVA** ~~—————~~ **BSCP27/01**

The form must contain the following data items:

Contact Details:

- To
- From
- Email address

Date

Number of Pages (only if Faxing)

List of planned Inspection Visits with the following details:

- Date
- Time
- MSID
- Visit Ref
- Site Name / Address
- Attendees

Details that the Registrant must send or facilitate sending prior to the Inspection Visit:

- Meter Test Certificates for all listed MSIDs
- Test Certificates for all Measurement Transformers for all listed MSIDs
- Commissioning documentation
- Compensation calculations (including Transformer Losses, etc), on a circuit by circuit basis
- Metering Equipment Alarm reporting procedure
- And all other reasonable requests made by the TAA

The TAA must stipulate which areas it will require access to, e.g. Metering Equipment Room, Central Control Room, Gen Alternator Pit, Gen VT Chamber, CT / VT's, substations (this list is not exhaustive).

To: _____ **Tel:** _____

From: **Technical Assurance Agent** _____

Date: _____ **E-mail:** _____

Time: _____ **No of Pages:** _____

Dear

~~Please find detailed below planned Inspection Visits to sites for which you are the Registrant.~~

Date	Time	Metering System Id/MSID	Visit Ref	Site Name / Address	Attendees

~~I should be grateful if you would arrange for the following to be sent to the TAA within 5WD prior to the visit:~~

- ~~•A copy of the Meter test certificates associated with the Metering Systems identified above;~~
- ~~•A copy of the test certificates for all measurements transformers (including notification of ratios and compensation applied factors supplied by the relevant Licensed Distribution System Operator) associated with the above Metering Systems; and~~
- ~~•Commissioning documentation, to be supplied during the visit or sent to me prior to the above visit date.~~

~~In accordance with BSCP27 (Technical Assurance of Half Hourly Metering Systems for Settlement Purposes), please complete the attached form and return it to me at least five Working Days prior to the Inspection Visit(s).~~

~~It should be noted that BSCP27 also requires the Meter Operator Agent's attendance at an Inspection Visit.~~

~~Regards~~

~~Technical Assurance Agent~~

Notification of Inspection Visit SVA / CVA Continued **BSCP27/01**

The purpose of this Site visit is to audit the Metering System used for Settlement Purposes. In addition to the documentation listed below, access will be required to the following areas:-

Generation Metering

Access Required to	Information Required
Metering Equipment Room	Metering Equipment details
Central Control Room	Metering Alarm(s)
Gen Alternator Pit (where outages permit)	CT nameplates
Gen VT Chamber (where outages permit)*	VT nameplates
Gen Metering VT Fuse Distribution Box	VT fuse segregation and Sealing
Switchgear Rooms associated with Station Transformer and Gas Turbine Measurement Transformers and fusing	

* ——— Where the Metering Point is on the HV side of the Generator Transformer, access will be required to ——— the HV Compound/Sub Station.

Demand Metering

Access Required to	Information Required
Sub Station Compound	VT/CT Marshalling Boxes
Metering Equipment Room	Metering Equipment Panels

Documentation

Measurement Transformers

Metering CT & VT Test Certificates, on a circuit by circuit basis.

Settlement Meters

Test Certificates, for all circuits

Compensation calculations (including Transformer Losses, etc), on a circuit by circuit basis.

Fault Procedure

Metering Equipment Alarm reporting procedure.

4.5.2 **BSCP27/02 - Confirmation of Attendance at Technical Assurance Visit** ~~BSCP27/02~~

The form must contain the following data items:

Contact Details:

- To
- From
- Email address

Date

Number of Pages (only if Faxing)

Written confirmation of Attendance at the TAA visit

Contact details for the site (per MSID):

- MSID
- Contact
- Company
- Telephone Number
- TAA visit Reference

Attending Parties:

- Meter Operator Agent Contact
- Registrant Contact
- LDSO Contact
- Customer Contact

~~To:—~~ Technical Assurance Agent

~~Fax:~~

~~Tel:~~

~~From:—~~

~~Confirmation of Attendance~~

~~I confirm receipt of your notification and shall ensure that the necessary arrangements will be made to enable the Inspection Visit to be carried out.~~

~~The contact for the above site visit will be:~~

~~(Please complete a separate form for each visit)~~

~~_____~~

Metering System:	
-------------------------	--

Contact:	
-----------------	--

Company:	
Tel (Mobile/Pager):	
TAA Visit Reference:	

Attending Parties:	
Meter Operator Agent	
Registrant	
Distribution System Operator	
Customer	

Signed: _____ on behalf of the Registrant

Date: _____

4.5.3 **BSCP27/03 - Not used**~~Inspection Schedule for Half Hourly Metering Systems—~~
Part 1 ~~BSCP27/03~~

Site Name:			
MSID no:		Registrant:	
MOA:		Code of Practice:	
DC			
Category 1. Checks Currently Affecting The Quality of Data Entering Settlement			
1.01 Standing Data Consistency (Inc. Outstation Personality)		PENDING/COMPLIANT/ T/ NON-COMPLIANT	
		TO BE RECTIFIED BY	
		MOA/LDSO/TAA/ Registrant	
1.02 Metering Equipment Correct and Satisfactory⁷ Operation		PENDING/COMPLIANT/ T/ NON-COMPLIANT	
		TO BE RECTIFIED BY	
		MOA/LDSO/TAA/ Registrant	
1.03 Timing Reference within tolerance limits defined in this BSCP for SVA and UTC for GVA		PENDING/COMPLIANT/ T/ NON-COMPLIANT	
		TO BE RECTIFIED BY	
		MOA/LDSO/TAA/ Registrant	
1.04 Measurement Transformer Ratios correct (where appropriate)		PENDING/COMPLIANT/ T/ NON-COMPLIANT	
		TO BE RECTIFIED BY	
		MOA/LDSO/TAA/ Registrant	
1.05 Compensation Calculations correct (if appropriate)		PENDING/COMPLIANT/ T/ NON-COMPLIANT	
		TO BE RECTIFIED BY	
		MOA/LDSO/TAA/ Registrant	
Notes:			

⁷ Satisfactory Operation relates to the possible checks by the TAA at the time of the Inspection Visit, taking into account site conditions, i.e. access, etc.

Inspection Schedule for Half Hourly Metering Systems—Part 1 Cont.——BSCP27/03**Category 2.——Installation Checks——Potential to Affect The Quality of Data Entering Settlement****2.06——Metering Equipment Correct and Satisfactory Operation****PENDING/COMPLIANT/
NON-COMPLIANT****TO BE RECTIFIED BY****MOA/LDSO/TAA/
Registrant****2.07——Measurement Transformer and/or Meter Certificates****PENDING/COMPLIANT/
NON-COMPLIANT****TO BE RECTIFIED BY****MOA/LDSO/TAA/
Registrant****2.08——Suitable Environment (Serious)****PENDING/COMPLIANT/
NON-COMPLIANT****TO BE RECTIFIED BY****MOA/LDSO/TAA/
Registrant****2.09——Adequate Over current Protection****PENDING/COMPLIANT/
NON-COMPLIANT****TO BE RECTIFIED BY****MOA/LDSO/TAA/
Registrant****2.10——Alarms Installed——Local and Remote****PENDING/COMPLIANT/
NON-COMPLIANT****TO BE RECTIFIED BY****MOA/LDSO/TAA/
Registrant****2.11——Adequate Metering Equipment Integrity****PENDING/COMPLIANT/
NON-COMPLIANT****TO BE RECTIFIED BY****MOA/LDSO/TAA/
Registrant**

Category 2. Installation Checks Potential to Affect The Quality of Data Entering Settlement	
2.12 Metering Equipment Test Facilities	PENDING/COMPLIANT/ NON-COMPLIANT
	TO BE RECTIFIED BY
	MOA/LDSO/TAA/ Registrant
2.13 Miscellaneous	PENDING/COMPLIANT/ NON-COMPLIANT
	to be rectified by
	MOA/LDSO/TAA/ Registrant
2.14 Timing Reference Within Tolerance Limits	PENDING/COMPLIANT/ NON-COMPLIANT
	to be rectified by
	MOA/LDSO/TAA/ Registrant
Notes:	
	Additional detail attached Yes/No

~~Inspection Schedule for Half Hourly Metering Systems – Part 1 Cont. – BSCP27/03~~

Observations. – Installation Checks – not Affecting Data Quality						
O.15 – Suitable Environment (minor)				NOTIFY		
				MOA/LDSO/ TAA/ Registrant		
O.16 – Labelling Consistency				NOTIFY		
				MOA/LDSO/ TAA/ Registrant		
O.17 – Standing Data (including Outstation personality and SMRS not “key fields”				NOTIFY		
				MOA/LDSO/ TAA/ Registrant		
O.18 – Miscellaneous				NOTIFY		
				MOA/LDSO/ TAA/ Registrant		
Notes:						
CAT 1 – Checks – COMPLIANT / NON COMPLIANT						
CAT 2 – Checks – COMPLIANT / NON COMPLIANT						
BSCP Compliance						
MOA Attended Site – YES / NO						
Metering Equipment Access Gained – YES / NO						
Addition Metering Equipment Technical Details provided 10 WD prior to visit – YES / NO						
Volume Data Comparison performed on site – YES/NO⁸						
Witnessed By:	Name:		Signature:		Date:	
Inspected By:	Name:		Signature:		Date:	

MOA to Appeal Non-Compliance

YES / NO

⁸ Where the Consumption Data comparison Check is not performed on site the Metering System will only be compliant subject to the results of that check.

4.5.4 ~~**BSCP27/04 - Not used**~~**Inspection Schedule for Half Hourly Metering Systems–**
Part 2 ~~**BSCP27/04**~~

Site Name:			
MSID no:		Registrant:	
MOA:		Code of Practice:	
DC		Contact at DC	

No of Channels examined		
Metered Data		
DC Consumption Data		
Metered data consistent with data held in DC Systems		YES/NO*
* If NO what is the percentage difference between the metered data and DC Consumption data		
* If NO what is the volume difference between the metered data and DC Consumption data		

Metering System Compliant / Non-Compliant	
Technical Assurance Agent – Name & Signature	
Date	

4.5.5 **BSCP27/05 - Rectification Plan Proforma** **BSCP27/05**

The form must contain the following data items:

Registrant

MOA

HHDC

LDSO

Contact Details:

- Telephone number

- Email address

MSID

TAA Site Visit Reference

Registrant Ref Number

Site Name & Address

Non Compliances - 1 rectification plan per non compliance:

- Category

- Associated Rectification Action

- Target date for completion

- Key Milestones (e.g. MTDs provided by specific date)

- Where the responsibility is for completing the action

Registrant:	Meter Operator Agent:	HHDC:	LDSO:
--------------------	------------------------------	--------------	--------------

Completed By:	Telephone Number:	Email:
----------------------	--------------------------	---------------

MSID:	TAA Site Visit Ref:	Registrant Ref. No:
Site Name and Address		

Non-Compliances	Category
------------------------	-----------------

1.		
2.		
3.		

Rectification Action	
Target Date of Completion:	
Actual Date of Completion:	

Key Milestones					
	Target Date	Non-Compliances Affected: no-as above	Action: e.g. Ordering, Delivery, Fitting of Equipment, Providing evidence to the TAA	To Be Actioned By: (e.g. Meter Operator/ Distributor)	Date Completed
1.					
2.					
3.					

CP1265 Attachment F – Proposed Changes to BSCP535 v8.0**1 Introduction****1.1. Purpose and Scope of the Procedure**

[NO CHANGE PROPOSED TO THIS SECTION]

1.2. Risk Based Performance Assurance Framework

[NO CHANGE PROPOSED TO THIS SECTION]

1.3 Main Users of the Procedure

[NO CHANGE PROPOSED TO THIS SECTION]

1.4. Scope of Work**1.4.1. Technical Assurance Checks**

There are three distinct areas of work that are applicable to all Performance Assurance Parties:

o Scope of work for TAP.

- This includes details of the check to be undertaken and will utilise information from PAPs, other PAF techniques, the BSC Auditor, BSSCo and the PAA when deciding where to apply the checks.

o Targeted Checks of PAPs.

- The PAB may decide to apply a targeted check because of performance related issues, Settlement error, information provided by it's sub-committees or the Panel.

o Post-Qualification checks of newly qualified PAPs.

- These checks take place after a PAP has been qualified or re-qualified and there is a requirement to prove capability.

The key steps in the scope of work of the TAP function are:

- The PAB will produce a scope of work for the TAP function, in respect of each Performance Assurance Operating Period in accordance with the ROP.
- The scope of work will be published on the BSC Website within 10 Working Days of PAB approval.
- The Delegated Authority will report to the PAB on a regular basis on the progress of work being undertaken as part of the [P207]scope for TAP.
- The findings of the check will feed into the Annual Performance Assurance Report.

The key milestones in the performance of a check are:

- The PAB or its Delegated Authority will select PAPs who will form the subject of the TAP check in question. The PAB or its Delegated Authority will then notify the PAP of the check and make any requests for documentation at least 10 Working Days prior to the scheduled date (2 Working Days for an urgent targeted check).
- The PAB or its Delegated Authority shall conduct the check and record the results in accordance with the Check Results form (~~BSCP535/06~~[BSCP535/06F535/06](#)). The PAB shall then provide the PAP in question with a copy of the results.
- In the case of an agreed non-compliance, the PAP must provide rectification details in accordance with BSCP538 – Error and Failure Resolution.
- In the case of a disputed non-compliance, the PAP must provide details of the dispute to the Delegated Authority within 10 Working Days of notification of the non-compliance. The Delegated Authority will then re-determine the validity of the non-compliance. If the PAP still disputes the non-compliance then the Delegated Authority’s decision can be appealed to the PAB.
- The Delegated Authority will report to the PAB as and when required on the results of any targeted checks performed.

1.5. Responsibilities

[NO CHANGE PROPOSED TO THIS SECTION]

1.6. Balancing and Settlement Code Provision

[NO CHANGE PROPOSED TO THIS SECTION]

1.7. Associated BSC Procedures

[NO CHANGE PROPOSED TO THIS SECTION]

1.8. Acronyms

[NO CHANGE PROPOSED TO THIS SECTION]

1.9. Definitions

[NO CHANGE PROPOSED TO THIS SECTION]

2 Not Used

3 Interface and Timetable Information

3.1. Determination of scope of work for Technical Assurance

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.1.1	At PAB meeting.	Determine scope and notify BSCTCo.	PAB	BSCTCo	ROP	Meeting
3.1.2	Within 10 WD of PAB notification.	Publication of scope.	BSCTCo		Scope	Website

3.2. Technical Assurance Check

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.2.1	At least 10 WD prior to a check or 2 WD for an urgent targeted check.	Inform PAP of planned check and request acceptance and that relevant information is available.	Delegated Authority	PAP	Date, time and -PAP to be technically assured together with specific details of the check including Settlement Risk Identification Number.	Telephone / Email BSCP535/01F 535/01 BSCP535/02F 535/02
3.2.2	At least 5 WD prior to the check or immediately upon receipt of notification in 3.2.1 for an urgent targeted check.	Notify Delegated Authority of acceptance of planned check and supply the required information.	PAP	Delegated Authority	Acceptance of impending check and submission of required information.	Telephone / Email BSCP535/02F 535/02

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.2.3	Date of check.	Perform check.	Delegated Authority	PAP	Information, data, documents and access to systems as required.	Interviews, reviews and witnessing as required.
3.2.4	Within 10 WD of completion ¹ of check.	Notify PAP of results of check.	Delegated Authority	PAP	Results of check.	Email BSCP535/06F535/06
3.2.5	At or within 2 WD of sending check results notification.	Delegated Authority checks for receipt of agreement of check results. (a) PAP confirms acceptance of check results. (b) No response is received. Send reminder. Proceed to section 3.2.5	PAP PAB	PAB PAP	Results of check.	Email BSCP535/06F535/06 Email BSCP535/06F535/06
3.2.6	On completion of check.	(a) If check has revealed a non-compliance then proceed to section 3.2.7. (b) If check shows PAP to be compliant. Check closed. Notify Associated Suppliers.	PAB PAB Delegated Authority	PAP PAP Associated Suppliers	Results of check. Results of check.	Email BSCP535/06F535/06 Email BSCP535/06F535/06

¹ The check shall be deemed complete when all aspects of the check on and/or off site have been finalised.

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.2.7	After 3.2.5-6a if check shows PAP to be non-compliant	Follow the Error and Failure Resolution process in BSCP538 to rectify the non-compliances. If check performed on a Supplier Agent issue results to Associated Suppliers.	PAP BSCCo Delegated Authority	 Associated Suppliers	 Results of check	 Email BSCP535/06F 535/06

3.3 Not Used

3.4. Appeals

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.4.1	After 3.2.5 if PAP disagrees with a non-compliance.	Send reason for appealing non-compliance(s).	PAP	Delegated Authority	Reasons why the non-compliance has been appealed by the PAP.	Email
3.4.2	Within 5 WD of receiving the appeal in 3.4.1	(a) Decide that the appeal is valid, and remove the non-compliance. Notify the PAP of the decision and that the non-compliance is now closed. Proceed to Ref. 3.2.5.	Delegated Authority	PAP	Details of why the non-compliance has been removed.	Email
		(b) Decide that the appeal is not valid and inform the PAP that the non-compliance will be upheld.	Delegated Authority	PAP	Details of why non-compliance is still valid.	Email
3.4.3	Within 5 WD of receiving the notification in section 3.4.2	If PAP still disagrees with the non-compliance, inform the Delegated Authority again of an appeal.	PAP	Delegated Authority	Reasons why the non-compliance has been re-appealed by the PAP.	Email
3.4.4	At next available PAB meeting	Delegated Authority reports the appeal details to the PAB for decision.	Delegated Authority	PAB	Details of non-compliance and why the non-compliance has been re-appealed by the PAP.	Paper
3.4.5	At PAB meeting	PAB considers the grounds of the appeal and decides whether to uphold or remove the non-compliance	PAB		Report from the Delegated Authority.	PAB Meeting
		(a) PAB decides that the appeal is valid and informs the Delegated Authority to remove the non-compliance. Proceed to Ref. 3.4.6.	PAB	Delegated Authority PAP	The PAB's decision and reasons why the appeal has been accepted.	Written Communication
		(b) PAB decides that the appeal is not valid and informs the Delegated Authority to continue with the non-compliance procedure. Proceed to Ref. 3.4.7.	PAB	Delegated Authority	The PAB's decision and reasons why the appeal has not been accepted.	Minutes of meeting

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.4.6	Upon notification from the PAB	Delegated Authority informs the PAP that their appeal has been accepted and that the non-compliance issue is now closed. Proceed to 3.2.5.	Delegated Authority	PAP	The PAB's decision on the appeal.	Email
3.4.7	Upon notification from the PAB	Delegated Authority informs PAP that their appeal has not been accepted. Proceed to 3.2.5 to accept check results and rectify non-compliances as necessary under BSCP538	Delegated Authority	PAP	The PAB's decision on the appeal. BSCP538 – Error and failure Resolution	Email

4 Appendices

4.1 Not Used~~The Technical Assurance Function~~

~~There are three distinct areas of work that are applicable to all PAPs:~~

- ~~•Scope of work for Technical Assurance.~~
- ~~•Targeted Checks.~~
- ~~▪ Post-Qualification checks.~~

4.2 Not Used~~Scope of work for Technical Assurance~~

~~The PAB will determine a scope of work for the Technical Assurance function. This will include details of the checks to be undertaken and the Delegated Authority who will be responsible for performing the check and associated functions as described in this BSCP. The scope will be produced for each Performance Assurance Operating Period (PAOP) in accordance with the ROP. However, during the PAOP the scope of Technical Assurance may be amended as and when required in accordance with Section Z of the Code.~~

~~The scope of work for the Technical Assurance function, including any subsequent revisions, will be agreed by the PAB.~~

~~To ensure that the scope of work for Technical Assurance is focused on assuring PAPs' compliance in key areas, when compiling the scope the PAB will utilise information provided by the following:~~

- ~~•Parties and Party Agents.~~
- ~~•Other PAF techniques.~~
- ~~•BSC Auditor — BSC Audit Report, Statement of Significant Matters and Audit Documents.~~
- ~~•BSCCo.~~
- ~~•PAA.~~
- ~~•Annual Performance Assurance Report~~
- ~~•RMP.~~
- ~~•ROP.~~

~~Based on the scope of work the PAB or its Delegated Authority will select PAPs who will form the subject of the check in question.~~

4.43 Not Used~~Targeted Checks~~

~~The PAB or its Delegated Authority may target any PAPs where under performance against the Serials and Standards defined in the BSC or non-compliance (refer to Section 4.6 for the definition of non-compliance) is suspected. The need for a targeted check may be identified as a consequence of information obtained by the Delegated Authority (including that information provided by the PAA) or as directed by the PAB or the Panel.~~

~~In addition targeted checks can be performed if a settlement error is identified by any of the above parties which requires the issue to be investigated.~~

~~The Technical Assurance of Party Agents will take place after the agent has been Qualified. If in the Delegated Authority's judgement a Party Agent which is not operating should be subject to a compliance check prior to an active involvement under the BSC, the PAB will be asked to endorse the Technical Assurance check.~~

~~All proposed checks shall be considered by the PAB in accordance with the ROP prior to a change to the scope or deployment of a TA check.~~

4.4 Not UsedTechnical Assurance Checks

~~It is envisaged that the majority of Technical Assurance checks will be performed out on site and will be of 1 WD duration but this can be extended if necessary to enable further investigations to be carried out. The check itself will usually involve a review of all relevant procedural documentation and in depth interrogation of a sample of MSIDs, if appropriate.~~

~~On completion of the check the PAB or its Delegated Authority shall produce the Check Results (Form F535/06) detailing the results of the check including any non-compliances identified. In the case of checks performed on Supplier Agents, and in accordance with paragraph 1.3.2 of this BSCP, following the check, the PAB or its Delegated Authority may notify the results of the check performed on the Supplier Agent in question to its Associated Supplier. Where a specific check incorporates the use of a random sample, Form F535/06 shall confirm this, but will not state which Associated Suppliers' MSIDs have been sampled. In such circumstances it is the Associated Supplier's responsibility to establish any non-compliance with its agents. In the event that the check results are not derived from a random sample of MSIDs but in fact relate to the performance of a Supplier Agent's generic functions and processes the PAB or its Delegated Authority may confirm such information to the Associated Suppliers of that Supplier Agent.~~

4.4.1 Information Required

~~Where appropriate the PAB or its Delegated Authority may require the following information prior to a Technical Assurance check:~~

- ~~•For Party Agents; the basis upon which Qualified status has been granted (including volume limits, if appropriate) and details of any derogations where applicable, from BSCCo.~~
- ~~•Information received from PAPs.~~
- ~~•An overview of the PAP's structural organisation and operation from the respective PAP.~~
- ~~•Other documentation where available relating to the objective of the check. (For on-site checks this information may be withheld until the PAB or its Delegated Authority is actually on-site).~~

~~The timetable for deliverance of these requirements is included in Section 3.~~

4.5 Not UsedPost-Qualification Checks

~~For any newly Qualified Person a post-Qualification check may be completed by the PAB or its Delegated Authority if deemed appropriate. The scope of the post-Qualification check will be dependent on the role the PAP is performing and performance data gathered by BSCCo.~~

4.6 ~~Not Used~~Non-compliance

~~The PAB or its Delegated Authority shall determine a PAP to be non-compliant if the performance of its systems and/or processes is not in line with appropriate sections of the Code, BSC Procedures and Service Lines, Codes of Practice and the Self Assessment Document (SAD) and if they constitute an instance of a Settlement Risk detailed in the RER.~~

~~Any issue that is not deemed to be a non-compliance but is considered by the PAB or its Delegated Authority to be a deficiency in the PAP's operation will be categorised as an 'Observation' and recorded on the Check Results form (Form F535/06).~~

~~Any determination of non-compliance for a Party Agent shall take into account any agreed derogations applicable. The PAB or its Delegated Authority will look at the derogation log held by BSCGo prior to the Technical Assurance check.~~

~~Where possible, an assessment of the potential resultant error for any non-compliance identified will be calculated by the PAB or its Delegated Authority. These estimates of materiality may not represent the actual level of error being introduced into Settlement but will provide an indicative figure of the potential impact of the non-compliance.~~

~~For any non-compliance identified the PAP must provide rectification details to the PAB or its Delegated Authority within 20 WD of notification of the non-compliance. Rectification details may take the form of:~~

- ~~•Confirmation of rectification of the non-compliance, including supporting documentation. Or~~
- ~~•A rectification plan outlining the steps to be taken by the PAP in order to achieve compliance, including milestone dates and targets for improved performance where appropriate, in accordance with BSCP538 Error Failure Resolution.~~

~~Where a Supplier Agent's performance has been determined to be non-compliant and once a rectification plan has been received from the PAP the Associated Supplier(s) will be informed and shall be responsible for progressing the rectification of the non-compliance with the agent. The Supplier will be expected to take all reasonable steps to ensure that the agent rectifies the non-compliance and will pursue the agent to the extent necessary.~~

4.7 ~~Not Used~~Reporting

~~The Delegated Authority will report to PAB as and when required providing details of checks undertaken as part of the Scope of Technical Assurance. Reports may also be provided on the results of any targeted checks performed.~~

4.8 Technical Assurance Forms

F535/01

All information communicated through the forms in these appendices must contain the detail stipulated for each form; however the communication method is flexible and must be agreed between PAP and PAB / BSCCo.

Form BSCP535/01~~Form F535/01~~ – Site Selection for Technical Assurance of Performance Assurance Parties Check

The Delegated Authority will provide the following details to the PAP in accordance with section 3.2.1:-

- o Check Reference (determined by BSCCo)
- o Proposed Date of Check
- o Anticipated Duration of Check
- o Proposed Time of Check
- o PAP subject to check
- o Role subject to check
- o Reason for check, including link to ROP, scope of work and relevant Settlement Risk Identification Number(s)
- o Required documentation
- o Request for overview of PAP organisation structure
- o Date by which form **BSCP535/02**~~F535/02~~ must be returned to Delegated Authority by PAP
- o Contact details for return of form **BSCP535/02**~~F535/02~~

F535/02

Form BSCP535/02~~Form F535/02~~ – Confirmation of Attendance

The PAP will provide the following details to the Delegated Authority in accordance with section 3.2.2:-

- o Check Reference (determined by BSCCo)
- o Proposed Date of Check
- o Anticipated Duration of Check
- o Proposed Time of Check
- o Confirmation of how/when required documentation will be provided
- o PAP organisation structure
- o Details of main contact at PAP for duration of the check
- o Any other relevant information

Form BSCP535/03~~F535/03~~ – Not used

Form BSCP535/04~~F535/04~~ – Not used

Form BSCP535/05~~F535/05~~ – Not used

F535/06

Form BSCP535/06~~Form F535/06~~ – Check Results

The Delegated Authority will provide the following details as appropriate in accordance with sections 3.2.4 and 3.2.6 and the PAP shall return confirmation of agreement of results in accordance with section 3.2.5:-

- o Check Reference (determined by BSCCo)
- o Date of Check (and date of completion of check if different)
- o Details of check including Settlement Risk Information Number(s)
- o Details of any non-compliances
- o Details of any observations
- o Details of any compliances
- o Details of contact at Delegated Authority issuing the results
- o Details of contact at PAP agreeing the results (when agreed)
- o Date of agreement of results (when agreed)
- o Any other relevant information

CP1265 Attachment G – Proposed Changes to IDD Part 1 v22.0**1 Introduction****1.1 Purpose**

[NO CHANGE PROPOSED TO THIS SECTION]

1.2 Scope**1.2.1 Status**

[NO CHANGE PROPOSED TO THIS SECTION]

1.2.2 The Scope of the Logica Service Provision

Logica is contracted to provide six of the seven services (equivalent to three of the four packages) that were defined in the RETA ITT. The seventh, the Funds Administration Agent, FAA, is being provided by EPFAL. The Logica provided agent services are:

BMRA	Balancing Mechanism Reporting Agent
CDCA	Central Data Collection Agent
CRA	Central Registration Agent
ECVAA	Energy Contract Volume Aggregation Agent
SAA	Settlement Administration Agent
TAA	Technical Assurance Agent

~~Note that the TAA service has no defined electronic interfaces.~~

The remaining five are termed here the Central Services.

1.2.3 Types of Interface

[NO CHANGE PROPOSED TO THIS SECTION]

1.3 NETA Interface Overview

[NO CHANGE PROPOSED TO THIS SECTION]

1.4 Summary

Part 1 of the Interface Definition and Design covers interfaces with BSC Parties and Agents, and is organised as follows:

- Section 2 describes common interface conventions, in particular defining the approach to interfacing via file transfer.
- Section 3 gives a summary of the interfaces, organised by NETA agent and by corresponding party.
- Sections 4 to 0 define the interfaces to each of the NETA Agents.

Part 2 of this document contains interfaces where the only parties involved are within the NETA system, i.e. interfaces between the following services / systems:

- BMRA
- CDCA
- CRA
- ECVAA
- FAA
- SAA
- SO
- SVAA
- ~~TAA~~
- BSCCo Ltd

Note that parts 1 and 2 of the Interface Definition and Design are issued separately and will therefore have different issue numbers.

[NO CHANGE PROPOSED TO REMAINDER OF SECTION 1]

2 Common Interface Conventions

[NO CHANGE PROPOSED TO THIS SECTION]

3 External Interface Summary

This section provides convenient summary lists of the interfaces by system and by party or party agent type. Note that this section defines the default rules for distribution of reports: copies of other reports may be requested through BSCCo Ltd. using the Flexible Reporting procedure.

3.1 Interfaces by NETA Agent

[NO CHANGE PROPOSED TO THIS SECTION]

3.2 Interfaces by Corresponding Party

3.2.1 BSC Party Interfaces

The interfaces to BSC Parties in general are listed below.

Dir'n	User	Agent-id	Name	Type
to	BSC Party	BMRA flows	Publish Balancing Mechanism Reports	Publishing
from	BSC Party	CDCA-I001	Aggregation Rules	Manual
to	BSC Party	CDCA-I007	Proving Test Report/Exceptions	Manual
to	BSC Party	CDCA-I010	Exception Report for missing and invalid meter period data	Electronic data file transfer
to	BSC Party	CDCA-I012	Report raw meter data	Electronic data file transfer
from	BSC Party	CDCA-I013	Response to Estimated data	Manual
to	BSC Party	CDCA-I014	Estimated Data Report	Electronic data file transfer
to	BSC Party	CDCA-I017	Meter Reading Schedule for MAR	Manual
to	BSC Party	CDCA-I018	MAR Reconciliation Report	Manual
to	BSC Party	CDCA-I019	MAR Remedial Action Report	Manual
to	BSC Party	CDCA-I025	Aggregation Rule Exceptions	Manual
to	BSC Party	CDCA-I026	Aggregated Meter Volume Exceptions	Manual
to	BSC Party	CDCA-I029	Aggregated GSP Group Take Volumes	Electronic data file transfer
to	BSC Party	CDCA-I037	Estimated Data Notification	Manual

Dir'n	User	Agent-id	Name	Type
to	BSC Party	CDCA-I038	Reporting Metering Equipment Faults	Manual
to	BSC Party	CDCA-I042	BM Unit Aggregation Report	Electronic data file transfer
to	BSC Party	CDCA-I046	Site Visit Inspection Report	Manual
to	BSC Party	CDCA-I047	Correspondence Receipt Acknowledgement	Manual
to	BSC Party	CDCA-I048	Report of Aggregation Rules	Manual
to	BSC Party	CDCA-I051	Report Meter Technical Details	Manual
to	BSC Party	CDCA-I054	Meter Status Report	Electronic data file transfer
to	BSC Party	CDCA-I059	Initial Meter Reading Report	Manual
From	SVA Registrant, CVA Registrant	CDCA-I060	SVA Party Agent Details	Manual
from	BSC Party	CRA-I001	BSC Party Registration Data	Manual
from	BSC Party	CRA-I002	Interconnector Admin Registration Data	Manual
from	BSC Party	CRA-I005	BM Unit Registration Data	Manual
from	BSC Party	CRA-I006	Trading Unit Registration	Manual
From	DB	CRA-I007	Boundary Point and System Connection Point Registration Data	manual
to	BSC Party	CRA-I012	CRA Encryption Key	Manual
to	BSC Party	CRA-I014	Registration Report	Electronic data file transfer
to	BSC Party	CRA-I021	Registered Service List	Electronic data file transfer
to	BSC Party	CRA-I024	Certification and Accreditation Status Report	Electronic data file transfer
from	BSC Party	CRA-I031	Metering System Data	Manual
from	BSC Party	ECVAA-I002	ECVNAA Data	Manual
from	BSC Party	ECVAA-I003	MVRNAA Data	Manual
to	BSC Party	ECVAA-I007	ECVNAA Feedback	Manual / Electronic data file transfer
to	BSC Party	ECVAA-I008	MVRNAA Feedback	Manual / Electronic data file transfer
to	BSC Party	ECVAA-I009	ECVN Feedback	Electronic data file transfer
to	BSC Party	ECVAA-	MVRN Feedback	Electronic data

Dir'n	User	Agent-id	Name	Type
		I010		file transfer
to	BSC Party	ECVAA-I013	Authorisation Report	Electronic data file transfer
to	BSC Party	ECVAA-I014	Notification Report	Electronic data file transfer
to	BSC Party	ECVAA-I021	Credit Limit Warning	Manual
to	BSC Party	ECVAA-I022	Forward Contract Report	Electronic data file transfer
from	BSC Party	ECVAA-I024	Credit Cover Minimum Eligible Amount Request	Manual
to	BSC Party	ECVAA-I025	Credit Cover Minimum Eligible Amount Report	Manual
to	BSC Party	ECVAA-I028	ECVN Acceptance Feedback	Electronic data file transfer
to	BSC Party	ECVAA-I029	MVRN Acceptance Feedback	Electronic data file transfer
from	BSC Party	ECVAA-I035	Forward Contract Report Start Period Override	Manual
from	BSC Party	ECVAA-I037	Receive Volume Notification Nullification Request	Manual
to	BSC Party	ECVAA-I038	Issue Volume Notification Nullification Confirmation Report	Manual
to	BSC Party	ECVAA-I039	Issue Nullification Completion Report	Manual
from	BSC Party	CRA-I034	Flexible Reporting Request	Manual
from	BSC Party	SAA-I012	Dispute Notification	Manual
to	BSC Party	SAA-I014	Settlement Reports	Electronic data file transfer
to	BSC Party	SAA-I016	Settlement Calendar	Manual
to	BSC Party	SAA-I017	SAA Exception Reports	Electronic data file transfer
to	BSC Party	SAA-I018	Dispute Reports	Manual
to	BSC Party	TAA-I006	Notification of Metering Systems to be subject to site visits and request for site details	Manual
from	BSC Party	TAA-I007	Site details	Manual
from	BSC Party	TAA-I008	Confirmation of acceptance of site visit	Manual
to	BSC Party	TAA-I009	Non-compliance / compliance notice	Manual
from	BSC Party	TAA-I013	Rectification Notice	Manual
to	BSC Party	TAA-I014	Outstanding Non-compliance Reminder	Manual

Dir'n	User	Agent-id	Name	Type
from	BSC Party	TAA-I021	Non-compliance Reminder Acknowledgement	Manual
to	BSC Party	TAA-I022	Site Visit Closure	Manual
from	BSC Party	TAA-I023	Rectification Plan	Manual
to	BSC Party	TAA-I024	Rectification Plan Response	Manual

Interfaces specific to distribution businesses are listed below:

Dir'n	User	Agent-id	Name	Type
to	Distribution Business	CDCA-I012	Report raw meter data	Electronic data file transfer
to	Distribution Business	CDCA-I018	MAR Reconciliation Report	Manual
to	Distribution Business	CDCA-I019	MAR Remedial Action Report	Manual
to	Distribution Business	CDCA-I029	Aggregated GSP Group Take Volumes	Electronic data file transfer
to	Distribution Business	CDCA-I030	Meter Period Data for Distribution Area	Electronic data file transfer
to	Distribution Business	CDCA-I051	Report Meter Technical Details	Manual
to	Distribution Business	CDCA-I054	Meter Status Report	Electronic data file transfer
from	Distribution Business	CRA-I008	Interconnector Registration	Manual
from	Distribution Business	CRA-I027	GSP Group and GSP Registration	Manual

Interfaces specific to the Interconnector Administrator are listed below:

Dir'n	User	Agent-id	Name	Type
to	IA	CDCA-I041	Interconnector Aggregation Report	Electronic data file transfer
from	IA	SAA-I006	BM Unit Metered Volumes for Interconnector Users	Electronic data file transfer
to	IA	SAA-I017	SAA Exception Reports	Electronic data file transfer

For completeness, interfaces specific to meter reading are listed below:

Dir'n	User	Agent-id	Name	Type
from	Physical meters	CDCA-I008	Obtain Metered Data from Metering Systems	Meter System Interface
from	Hand Held Device/Data Capture Device (MV-90)	CDCA-I009	Meter Period Data collected via site visit	Manual
from	Hand Held Device/Data Capture Device (MV-90)	CDCA-I011	Dial Readings from meter, for MAR	Manual
from	MOA/Data Capture Device (MV-90)	CDCA-I045	Meter Data from routine work and Metering Faults	Manual

3.2.2 BSC Party Agent Interfaces

[NO CHANGE PROPOSED TO THIS SECTION]

3.2.3 Market Index Data Provider Interfaces

[NO CHANGE PROPOSED TO THIS SECTION]

4 BMRA External Inputs and Outputs

[NO CHANGE PROPOSED TO THIS SECTION]

5 CDCA External Inputs and Outputs

[NO CHANGE PROPOSED TO THIS SECTION]

6 CRA External Inputs and Outputs

[NO CHANGE PROPOSED TO THIS SECTION]

7 ECVAA External Inputs and Outputs

[NO CHANGE PROPOSED TO THIS SECTION]

8 SAA External Inputs and Outputs

[NO CHANGE PROPOSED TO THIS SECTION]

9 — TAA External Inputs and Outputs

~~10 TAA-I006: (output) Notification of Metering Systems to be
subject to site visits and request for site details~~

11	Req uire ment ID:	13	Us er:	15	Titl e:	17	ITT reference:
12	TAA -1006	14	BS C Pa rt y, M O A	16	Not ific atio n of Met erin g Syst ems to be sub ject to site visit s and req uest for site det ails	18	TAA SD 3.3.2, 3.3.3, CP743

19	Mechanisms:	21	Frequency:	23	Volumes:
20	Manual	22	On demand	24	

25 Interface Requirement:

~~26~~_____

~~27~~_____ ~~The TAA shall notify the relevant BSC Parties and Meter Operator Agents of the Metering Systems for which site visits will be performed.~~

~~28~~_____

~~29~~_____ ~~Date~~

~~30~~_____ ~~Time~~

~~31~~_____ ~~Identity of Site~~

~~32~~_____ ~~Metering System Identifier~~

~~33~~_____ ~~Attendee on behalf of TAA~~

~~34~~_____ ~~MOA~~

~~35~~_____ ~~Request for information relating to metering equipment including:~~

~~36~~_____ ~~A copy of the test certificates for all Metering Systems.~~

~~37~~_____ ~~A copy of the test certificates for all measurement transformers (including ratios and compensation factors/errors) associated with the site~~

~~38~~_____ ~~Any relevant commissioning information.~~

39_____

40_____

~~41 TAA-I007: (input) Site details~~

42 Req uire ment ID:	44 So ur ce:	46 Titl e:	48 ITT reference:
43 TAA -1007	45 BS C Pa rt y	47 Site Det ails	49 TAA SD 3.3.3, Appendix D, CP998

50	Mechanisms:	52	Frequency:	54	Volumes:
51	Manual	53	Quarterly	55	1

56 Interface Requirement:

~~57~~_____

~~58~~_____ ~~The BSC Party shall send the following site details to the TAA at least ten working days prior to the site visit as per TAA-F005:~~

~~59~~_____

~~60~~_____ ~~Current Applicable Metering Dispensations~~

~~61~~_____ ~~Applicable Code of Practice~~

~~62~~_____ ~~Meter Calibration Certificate~~

~~63~~_____ ~~Channel Number(s)~~

~~64~~_____ ~~Meter Register Multiplier~~

~~65~~_____ ~~Pulse Multiplier~~

~~66~~_____ ~~Meter Serial Number~~

~~67~~_____ ~~Circuit Identifier~~

~~68~~_____ ~~Meter Type~~

~~69~~_____ ~~Date of First Registration~~

~~70~~_____ ~~Meter Operator Agent~~

~~71~~_____ ~~Meter Operator Agent Appointment Date~~

72	Site Name
73	Site telephone number
74	Site address
75	Outstation Type and Manufacturer
76	Outstation Communication Address (i.e. telephone number)
77	Outstation PIN / Password
78	Current Transformer Ratio
79	Voltage Transformer Ratio
80	Commissioning Information
81	Current Transformer Test Certificates
82	Voltage Transformer Test Certificates
83	Applicable Meter Compensation Values

85 — ~~TAA-I008: (input) Confirmation of acceptance of site visit~~

86	Req uire ment ID:	88	So ur ce:	90	Titl e:	92	ITT reference:
87	TAA -1008	89	BS C Pa rt y	91	Con fir mat ion of acc ept anc e of site visit	93	None

94 — Mec hani sm:	96 — Fr eq ue ne y:	98 — Volumes:
95 — Man ual	97 — O n de m an d	99 —

~~100~~ Interface Requirement:

~~101~~_____

~~102~~_____ ~~The BSC Party shall confirm that it accepts the site visit notified by the TAA within five working days of notification by the TAA.~~

~~103~~_____

~~104~~_____ ~~Site Name/ID~~

~~105~~_____ ~~Time/Date~~

~~106~~_____ ~~Contact~~

~~107~~_____ ~~Company~~

~~108~~_____ ~~Tel/mobile no.~~

~~109~~_____ ~~Statement of acceptance~~

~~110~~_____ ~~Statement confirming arrangements for access~~

~~111~~_____ ~~Identification of all attendees including MOA where required.~~

~~112~~_____

~~113~~_____

~~115~~ ~~TAA-I009: (output) Non-compliance / compliance notice~~

116 Req uire ment ID:	118 Us er:	121 Titl e:	123 ITT reference:
117 TAA -1009	119 BS C Pa rt y	122 Non com plia nce / com plia nce noti ce	124 TAA SD 3.4.2, appendix B, CP619, CP998
	120 BS C Co Lt d		

125 — Mec hani sm:	127 — Fr eq ue ne y:	129 — Volumes:
126 — Man ual	128 — Q ua rte rly	130 — 1

131 Interface Requirement:

~~132~~——

~~133~~—— **1. The TAA shall send the relevant BSC Party, MOA and LDSO (if appropriate) notification of compliance or non compliance, including the following detail:**

~~134~~—— **Date**

~~135~~—— **Time**

~~136~~—— **Site Address**

~~137~~—— **Metering System Identifier**

~~138~~—— **Attendee on behalf of TAA**

~~139~~—— **Attendee on behalf of BSC Party**

~~140~~—— **Category of non compliance (if applicable)**

~~141~~—— **Reason for non compliance (if applicable)**

~~142~~—— **Non compliance reference number.**

~~143~~—— **The TAA shall send the BSC Co Ltd notification of a non compliance from a Targeted Site Visit including the detail described above. Details of all other non-compliances will be included in the monthly TAA-I010 flow.**

~~144~~——

145

~~147 TAA-I013: (input) Rectification Notice~~

148 Req uire ment ID:	150 So ur ce:	153 Titl e:	155 ITT reference:
149 TAA -1013	151 BS C Pa rt y	154 Rec tific atio n Not ice	156 New requireme nts
	152 _____		

157	Mechanisms:	159	Frequency:	161	Volumes:
158	Manual	160	On Demand	162	

163 Interface Requirement:

~~164~~_____

~~165~~_____ **The BSC Party shall send a rectification notice to confirm that a Non Compliance has been rectified. The notice shall contain the following information:**

~~166~~_____

~~167~~_____

~~168~~_____ **Identity of Site**

~~169~~_____ **Metering System Identifier**

~~170~~_____ **Non compliance reference number**

~~171~~_____ **Action taken to rectify non compliance.**

~~172~~_____

~~173~~_____

~~175 TAA-I014: (output) Outstanding Non-compliance Reminder~~

176 Req uire ment ID:	178 Us er:	181 Titl e:	183 ITT reference:
177 TAA -1014	179 BS C Pa rt y	182 Out stan din g Non - com plia nce Re min der	184 New requireme nt, CP998
	180 _____		

185	Mec hani sm:	187	Fr eq ue ne y:	189	Volumes:
186	Man ual	188	O n De m an d	190	

~~191~~ Interface Requirement:

~~192~~_____

~~193~~_____ ~~The TAA shall send an Outstanding Non-Compliance reminder to the BSC Party or its MOA. The notice shall contain the original non-compliance report (TAA-1009) along with the following information:~~

~~194~~_____

~~195~~_____

~~196~~_____ ~~Date of original non compliance notice~~

~~197~~_____ ~~Consequences of failure to comply.~~

~~198~~_____

~~199~~_____

**~~201~~ TAA-I021: (input) Non-compliance Reminder
Acknowledgement**

202	Req uire ment ID:	204	So ur ce:	207	Titl e:	209	ITT reference:
203	TAA -1021	205	BS C Pa rt y	208	Non - com plia nce Re min der Ack now ledg eme nt	210	CR095
		206					

211 — Mechanisms: 212 — Manual	213 — Frequency: 214 — On Demand	215 — Volumes: 216 —
--	--	---

217 Interface Requirement:

~~218~~_____

~~219~~_____ ~~BSC Parties shall send the TAA an acknowledgement of any non-compliance reminders received. The information provided shall include:~~

~~220~~_____

~~221~~_____ ~~Identity of Site~~

~~222~~_____ ~~Metering System Identifier~~

~~223~~_____ ~~Non-Compliance Reference Number.~~

~~224~~_____

~~225~~_____

~~226 TAA-I022: (output) Site Visit Closure~~

227	Req uire ment ID:	229	Us er:	232	Titl e:	234	ITT reference:
228	TAA -1022	230	BS C Pa rt y	233	Site Visi t Clo sur e	235	CR095
		231					

236	Mechanisms:	238	Frequency:	240	Volumes:
237	Manual	239	On Demand	241	

242 Interface Requirement:

243_____

244_____ **~~The TAA shall notify a BSC Party when all issues relating to a site visit are closed. The information provided shall include:~~**

245_____

246_____ **~~Identity of Site~~**

247_____ **~~Date of visit.~~**

248_____

249_____

252	Req uire ment ID:	255	So ur ce:	257	Ti tle ÷	259	ITT reference:
253	TAA -1023	256	BS C Pa rt y	258	Re eti fie ati on Pl an	260	CP988
254							

261 Man /auto ÷	263 Fr eq ue ne y:	265 Volumes:
262 Man ual	264 A d ho e	266

267 Interface Requirement:

268

269 ~~In response to a notice of non-compliance a BSC Party shall, where appropriate, send the TAA a rectification plan. The plan will detail the rectification actions to be carried out and identify suitable milestones to be met.~~

270

274—Req uire ment ID:	276—Us er:	278—Ti tle ÷	280—ITF reference:
275—TAA -1024	277—BS C Pa rt y, M O A	279—Re eti fie ati on Pl an Re sp on se	281—CP988

282	Man /auto ÷	284	Fr eq ue ne y:	286	Volumes:
283	Man ual	285	In re sp on se to T A A- IO 23	287	

288 Interface Requirement:

289

290 The TAA shall send the BSC Party and MOA details of
its review of each submitted rectification plan (TAA-
I023). This will include, as a minimum, a statement on
whether or not the plan was considered to be adequate.

291

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CP1265 Attachment H – Proposed Changes to IDD Part 2 v22.0

1 Introduction

[NO CHANGE PROPOSED TO THIS SECTION]

2 Common Interface Conventions

[NO CHANGE PROPOSED TO THIS SECTION]

3 External Interface Summary

This section provides convenient summary lists of the interfaces by system / party. Note that this section defines the default rules for distribution of reports: copies of other reports may be requested through BSCCo Ltd. using the Flexible Reporting procedure.

3.1 Interfaces by NETA Agent

The interfaces to each Agent are listed in the following tables. Interfaces which are defined in Part 1 are not included in these tables.

3.1.1 BMRA Interfaces

[NO CHANGE PROPOSED TO THIS SECTION]

3.1.2 CDCA Interfaces

Agent-id	Name	Dir'n	User	Type
CDCA-I016	Metering System Details Request	from	TAA (4004)	Manual
CDCA-I020	Site Visit Inspection Report	from	CDCA Site Visit Agent	Manual
CDCA-I022	Distribution Line Loss Factors	From	BSCCo Ltd	Electronic data file transfer
CDCA-I023	Missing Line Loss Factors	To	BSCCo Ltd	Manual
CDCA-I027	Aggregated Interconnector Meter Flow Volumes	to	SAA (I004)	via shared database
CDCA-I028	Aggregated BM Unit Metered Volumes	to	SAA (I004)	via shared database
CDCA-I032	Data Collection and Aggregation Performance Report	to	BSCCo Ltd	Manual
CDCA-I035	Site Visit Report on Aggregation Rule compliance	from	CDCA Site Visit Agent	Manual
CDCA-I036	GSP Group Take to SAA	to	SAA (I004)	via shared database
CDCA-I039	Exchange of information with TAA	to	TAA (4005)	Manual
CDCA-I043	GSP Group Take to SVAA	to	SVAA	Electronic data file transfer, Pool Transfer File

Agent-id	Name	Dir'n	User	Type
				Format
CDCA-I049	Total Demand per GSP	to	SO	Electronic data file transfer
CDCA-I051	Report Meter Technical Details	to	SO	Manual
CDCA-I055	Transfer from SMRS information	from	Transfer Coordinator	Manual
CDCA-I056	Transfer from SMRS report	to	Transfer Coordinator	Manual
CDCA-I057	Transfer to SMRS information	from	Transfer Coordinator	Manual
CDCA-I058	Transfer to SMRS report	to	Transfer Coordinator	Manual
CDCA-I061	Receive System Parameters	From	BSCCo Ltd	Manual
CDCA-I062 ¹	Receive Sample Settlement Periods	from	BSCCo Ltd	Manual
CDCA-I063 ²	Metered Volume Data for Sample Settlement Periods	to	TLFA	Manual
CDCA-I064	MOA Proving Tests Report	To	BSCCo Ltd	Manual
CDCA-I065	MOA Fault Resolution Report	To	BSCCo Ltd	Manual

3.1.3 CRA Interfaces

[NO CHANGE PROPOSED TO THIS SECTION]

3.1.4 ECVAA Interfaces

[NO CHANGE PROPOSED TO THIS SECTION]

3.1.5 SAA Interfaces

[NO CHANGE PROPOSED TO THIS SECTION]

¹ This flow was added for the Introduction of Zonal Transmission Losses on an Average Basis (P82), but will not be used.

² This flow was added for the Introduction of Zonal Transmission Losses on an Average Basis (P82), but will not be used.

3.1.6 TAA Interfaces

Agent id	Name	Dir'n	User	Type
TAA-I001	Annual number of site visits	from	BSCCo Ltd	Manual
TAA-I002	Agree Metering systems to be subject to Revisited site visits.	to	BSCCo Ltd	Manual
TAA-I003	Notify Metering Systems to be subject to Targeted, Urgent or Additional site visits	from	BSCCo Ltd	Manual
TAA-I004	Request for Metering System Details	to	GDCA (I016)	Manual
TAA-I005	Metering System Details	from	GDCA (I039)	Manual
TAA-I010	Report to BSCCo Ltd	to	BSCCo Ltd	Manual
TAA-I015	List of Metering systems	from	CRA (I022)	Manual
TAA-I017	Approved Metering Dispensation	from	BSCCo Ltd	Manual
TAA-I018	Metering Dispensation Application	from	BSCCo Ltd	Manual
TAA-I019	Metering Dispensation Result	from	BSCCo Ltd	Manual
TAA-I020	Metering Dispensation Appeal Result	from	BSCCo Ltd	Manual

3.2 Interfaces by Corresponding Party

The interfaces to each corresponding party are listed in the following tables. Interfaces which are defined in Part 1 **are** included in these tables, in italic font.

3.2.1 BSCCo Ltd Interfaces

Dir'n	User	Agent-id	Name	Type
To	SO	BMRA-I010	Data Exception Reports	Electronic data file transfer
To	BSCCo Ltd	BMRA-I011	Performance Reports	Manual
from	BSCCo Ltd	BMRA-I012	System Parameters	Manual
To	BSCCo Ltd	BMRA-I013	BMRA BSC Section D Charging Data	Manual
to	BSCCo Ltd	CDCA-I014	Estimated Data Report (Part 1)	Electronic data file transfer
from	BSCCo Ltd	BMRA-I016	Receive Market Index Data Provider Thresholds	Manual
To	BSCCo Ltd	BMRA-I017	Report Market Index Data Provider Thresholds	Manual
to	BSCCo Ltd	CDCA-I018	MAR Reconciliation Report (Part 1)	Manual
to	BSCCo Ltd	CDCA-I019	MAR Remedial Action Report (Part 1)	Manual
from	BSCCo Ltd	CDCA-I022	Distribution Line Loss Factors	Electronic data file transfer
To	BSCCo Ltd	CDCA-I023	Missing Line Loss Factors	Manual
To	BSCCo Ltd	CDCA-I032	Data Collection and Aggregation Performance Report	Manual
from	BSCCo Ltd	CDCA-I043	Receive Exempt Export Registration Data	Manual
To	BSCCo Ltd	CDCA-I047	Correspondence Receipt Acknowledgement (Part 1)	Manual
from	BSCCo Ltd	CDCA-I061	Receive System Parameters	Manual
From	BSCCo Ltd	CDCA-I062	Receive Sample Settlement Periods ³	Manual
from	BSCCo Ltd	CRA-I001	BSC Party Registration Data (Part 1)	Manual
to	BSCCo Ltd	CDCA-I064	MOA Proving Tests Report	Manual
to	BSCCo Ltd	CDCA-I065	MOA Fault Resolution Report	Manual
to	BSCCo Ltd	CRA-I001	BSC Party Registration Data (Part 1)	Manual
from	BSCCo Ltd	CRA-I003	BSC Party Agent Registration Data (Part 1)	Manual
from	BSCCo Ltd	CRA-I004	BSC Service Agent Details	Manual
To	BSCCo Ltd	CRA-I007	Boundary Point and System Connection Point Registration Data (Part 1)	Manual
from	BSCCo Ltd	CRA-I011	CALF	Manual
to	BSCCo Ltd	CRA-I013	Issue Authentication Report	Electronic data file transfer
to	BSCCo Ltd	CRA-I014	Registration Report	Manual
to	BSCCo Ltd	CRA-I020	Operations Registration Report	Electronic data file transfer
to	BSCCo Ltd	CRA-I028	NGC Standing Data Report	Electronic data file transfer
from	BSCCo Ltd	CRA-I029	Transmission Loss Factors	Manual
to	BSCCo Ltd	CRA-I032	CRA Performance Reports	Manual
from	BSCCo Ltd	CRA-I034	Flexible Reporting Request	Manual
to	BSCCo Ltd	CRA-I035	CRA BSC Section D Charging Data	Electronic data file transfer
from	BSCCo Ltd	CRA-I042	Market Index Data Provider Registration Data	Manual
from	BSCCo Ltd	CRA-I044	Withdrawals Checklist Request	Manual
to	BSCCo Ltd	CRA-I047	Withdrawals Checklist	Manual
to	BSCCo Ltd	ECVAA-I017	ECVAA Performance Report	Manual
to	BSCCo Ltd	ECVAA-I021	Credit Limit Warning	Manual
to	BSCCo Ltd	ECVAA-I023	ECVAA BSC Section D Charging Data	Electronic data file transfer
to	BSCCo Ltd	ECVAA-I026	Minimum Eligible Amount Rule Request	Manual
from	BSCCo Ltd	ECVAA-I027	Minimum Eligible Amount Rule Confirmation	Manual
from	BSCCo Ltd	ECVAA-I032	Credit Assessment Price	Manual
to	BSCCo Ltd	ECVAA-I040	Issue Notification System Status Report	Manual
from	BSCCo Ltd	ECVAA-I041	Party Credit Default Authorisation Details	Manual
from	BSCCo Ltd	ECVAA-I049	Request to remove all ECVNs and MVRNs from	Manual

³ This flow was added for the Introduction of Zonal Transmission Losses on an Average Basis (P82), but will not be used.

Dir'n	User	Agent-id	Name	Type
			ECVAA for a Party in Section H Default	
to	BSCCo Ltd	ECVAA-I050	Remove all ECVNs and MVRNs from ECVAA for a Party in Section H Default Feedback	Manual
from	BSCCo Ltd	SAA-I010	BSCCo Ltd Costs (Redundant)	Electronic data file transfer
from	BSCCo Ltd	SAA-I012	Dispute Notification (Part 1)	Manual
to	BSCCo Ltd	SAA-I014	Settlement Report	Electronic data file transfer
To	BSCCo Ltd	SAA-I016	Settlement Calendar (Part 1)	Manual
to	BSCCo Ltd	SAA-I018	Dispute Report (Part 1)	Manual
to	BSCCo Ltd	SAA-I019	BSC Party Performance Reports (Redundant)	Electronic data file transfer
to	BSCCo Ltd	SAA-I020	SAA Performance Reports	Manual
from	BSCCo Ltd	SAA-I023	System Parameters	Manual
To	BSCCo Ltd	SAA-I025	SAA BSC Section D Charging Data	Electronic data file transfer
To	BSCCo Ltd	SAA-I02	Report pre-settlement run validation failure	Manual
From	BSCCo Ltd	SAA-I028	Receive settlement run decision	Manual
From	BSCCo Ltd	SAA-I029	Receive settlement run instructions	Manual
from	BSCCo Ltd	SAA-I031	Receive Market Index Data Provider Thresholds	Manual
to	BSCCo Ltd	SAA-I032	Report Market Index Data Provider Thresholds	Manual
to	BSCCo Ltd	SAA-I034	Report Recommended Data Change	Manual
from	BSCCo Ltd	SAA-I035	Receive Instruction for Data Change	Manual
to	BSCCo Ltd	SAA-I036	Report Confirmation of Data Change	Manual
from	BSCCo Ltd	SAA-I038	Excluded Emergency Acceptance Pricing Information	Manual
to	BSCCo Ltd	SAA-I039	Send Excluded Emergency Acceptance Dry Run Results	Manual
from	BSCCo Ltd	SAA-I040	Receive Authorisation To Proceed With Full Settlement Run	Manual
from	BSCCo Ltd	TAA-I001	Annual number of site visits	Manual
to	BSCCo Ltd	TAA-I002	Agree Metering systems to be subject to Revisited site visits.	Manual
from	BSCCo Ltd	TAA-I003	Notify Metering Systems to be subject to Targeted, Urgent or Additional site visits	Manual
to	BSCCo Ltd	TAA-I009	Non-compliance / compliance notice (Part 1)	Manual
to	BSCCo Ltd	TAA-I010	Report to BSCCo Ltd	Manual
from	BSCCo Ltd	TAA-I017	Approved Metering Dispensation	Manual
from	BSCCo Ltd	TAA-I018	Metering Dispensation Application	Manual
from	BSCCo Ltd	TAA-I019	Metering Dispensation Result	Manual
from	BSCCo Ltd	TAA-I020	Metering Dispensation Appeal Result	Manual

3.2.2 FAA Interfaces

[NO CHANGE PROPOSED TO THIS SECTION]

3.2.3 System Operator Interfaces

[NO CHANGE PROPOSED TO THIS SECTION]

3.2.4 Stage 2 Interfaces

[NO CHANGE PROPOSED TO THIS SECTION]

3.2.5 Transfer Coordinator Interfaces

[NO CHANGE PROPOSED TO THIS SECTION]

3.2.6 TLFA Interfaces⁴

[NO CHANGE PROPOSED TO THIS SECTION]

3.2.7 Internal Interfaces

From	To	Name	Type
BMRA-I007	SAA-I003	SAA Balancing Mechanism Data	Electronic data file transfer
BMRA-I007	ECVAA-I048	SAA/ECVAA Balancing Mechanism Data	Electronic data file transfer
BMRA-I010	CRA-I030	Data Exception Reports	Electronic data file transfer
CDCA-I027	SAA-I004	Aggregated Interconnector Meter Flow Volumes	via shared database
CDCA-I028	SAA-I004	Aggregated BM Unit Metered Volumes	via shared database
CDCA-I036	SAA-I004	GSP Group Take to SAA	via shared database
CDCA-I039	TAA-I005	Exchange of information with TAA	Manual
CDCA Site Visit Agent	CDCA-I020	Site Visit Inspection Report	Manual
CDCA Site Visit Agent	CDCA-I035	Site Visit Report on Aggregation Rule compliance	Manual
CRA-I013	ECVAA-I001	Issue Authentication Report	Electronic data file transfer
CRA-I013	SAA-I001	Issue Authentication Report	Via shared database
CRA-I015	BMRA-I001	BM Unit and Energy Account Registration Data	Electronic data file transfer
CRA-I013	BMRA-I001	Issue Authentication Report	Electronic data file transfer
CRA-I015	ECVAA-I001	BM Unit and Energy Account Registration Data	Electronic data file transfer
CRA-I015	SAA-I001	BM Unit and Energy Account Registration Data	Via shared database
CRA-I017	ECVAA-I001	Credit Assessment Export Capability	Electronic data file transfer
CRA-I017	SAA-I002	Credit Assessment Export Capability	Via shared database

⁴ TLFA functionality was added for the Introduction of Zonal Transmission Losses on an Average Basis (P82), but will not be used.

From	To	Name	Type
CRA-I019	CDCA-I002	Registration Data	Via shared database
CRA-I022	TAA-I015	Metering System Details	Manual
CRA-I036	ECVAA-I030	Notification Agent Termination Request	Manual
ECVAA-I011	SAA-I008	Account bilateral Contract Volume Report	Electronic data file transfer
ECVAA-I012	SAA-I008	MVR Notification Report	Electronic data file transfer
ECVAA-I016	CRA-I030	ECVAA Data Exception Report	Electronic data file transfer
ECVAA-I031	CRA-I037	Notification Agent Termination Feedback	Manual
ECVAA-I036	BMRA-I018	Publish Credit Default Notices	Electronic data file transfer
ECVAA-I047	CRA-I045	Withdrawing Party Authorisation and Notification Details	Manual
SAA-I013	ECVAA-I033	Credit/Debit Reports	Electronic data file transfer
SAA-I016	CDCA-I034	Settlement Calendar (Part 1)	Manual
SAA-I017	CDCA-I050	Data Exception Reports (Part 1)	Via shared database
SAA-I017	CRA-I030	Data Exception Reports (Part 1)	Via shared database
SAA-I017	ECVAA-I020	Data Exception Reports (Part 1)	Electronic data file transfer
SAA-I037	CRA-I046	Withdrawing Party Settlement Details	Via shared database
TAA-I004	CDCA-I016	Information from TAA	Manual

4 Interfaces From and To Multiple Parties

[NO CHANGE PROPOSED TO THIS SECTION]

5 Interfaces From and To System Operators

[NO CHANGE PROPOSED TO THIS SECTION]

6 Interfaces From and To FAA

[NO CHANGE PROPOSED TO THIS SECTION]

7 Interfaces From and To BSCCo Ltd

7.1 BMRA-I010: (output, common) Data Exception Reports

This interface is defined in Part 1 of the Interface Definition and Design.

7.2 BMRA-I011: (output) Performance Reports

Interface ID: BMRA-I011	User: BSCCo Ltd	Title: Performance Reports	ITT reference: BMRA SD B1, B2, B3, B4, B5, B6, B7, P78
Mechanism: Manual, probably in whole or in part produced using a report-formatting tool.	Frequency: Monthly	Volumes: As required.	
Interface Requirement: The BMRA Service shall issue Performance Reports to the BSCCo Ltd on a monthly basis. Performance reports shall include the following: 1. All occurrences of BMRA outages exceeding 30 minutes; 2. All occurrences of valid registration data not incorporated in BMRA systems within 1 hour of receipt; 3. All occurrences of valid new or updated system related data not published within 5 minutes of receipt; 4. All occurrences of valid new balancing mechanism data not published within 5 minutes of receipt; 5. All occurrences of derived data not published within 15 minutes of settlement period end; 6. All tested occurrences of high grade BMR service user main screen not loaded within 10 seconds; 7. All tested occurrences of high grade BMR service user switch screen operations that exceed 1 second; 8. All tested occurrences of high grade BMR service user data downloads that do not begin within 1 minute of request. BMRA will report on the performance of the Market Index Data Providers. This performance data will include the following information: Month Ending Date Market Index Data Provider Identifier Number of Settlement Periods for which Market Index Data was not provided Number of Settlement Periods where Individual Liquidity Threshold required default by BMRA Number of Settlement Periods where zeroes were used in Indicative Calculations			
Physical Interface Details:			

7.3 BMRA-I012: (input) System Parameters

Requirement ID: BMRA-I012	Status: Mandatory	Title: System Parameters	ITT reference: CR 003, P10, P18A, P194
Mechanism:	Frequency:	Volumes:	

Requirement ID:	Status:	Title:	ITT reference:
BMRA-I012	Mandatory	System Parameters	CR 003, P10, P18A, P194
Manual	Ad-hoc	Low – typically one or two per month	
Interface Requirement:			
The BMRA Service shall receive the following system parameters from the BSCCo Ltd via a manual interface, expected to be either a fax or telephone call:			
Effective from Settlement Date Effective from Settlement Period (1-50) Effective to Settlement Date Effective to Settlement Period (1-50) ETLMO+ ETLMO- Arbitrage Flag NRL _j (Notional Reserve Limit) (MW) DMAT _d (De Minimis Acceptance Threshold) (MWh) CADL _d (Continuous Acceptance Duration Limit (minutes) PAR _d (Price Averaging Reference Volume) (MWh) (0-9,999,999,999)			
Physical Interface Details:			
The BSCCo Ltd system parameter values shall continue to apply to all settlement periods, until a change to a parameter is made.			
Issues:			

7.4 BMRA-I013: (output) BMRA BSC Section D Charging Data

Interface ID: BMRA-I013	User: BSCCo Ltd	Title: BMRA BSC Section D Charging Data	ITT reference: CR 65, CN160
Mechanism: Manual	Frequency: Monthly	Volumes:	
Interface Requirement: The system shall, on the 15 th working day of each month, collect information required for charging BSC parties under Section D of the Code and send this to BSCCo Ltd. The information included shall be: Month Participant Id Participant Name Count of Physical lines installed Count of Comms Base Software (up to 5 users) Count of Comms additional Software (each additional user) Each month the information will be produced for both the previous calendar month and the month before that. Data used shall be the latest available data from Interim Run and Initial Run only			
Physical Interface Details:			

7.5 CDCA-I014: (output, part 1) Estimated Data Report

This interface is defined in Part 1 of the Interface Definition and Design.

7.6 BMRA-I016: (input) Receive Market Index Data Provider Thresholds

Interface ID: BMRA-I016	Source: BSCCo	Title: Receive Market Index Data Provider Thresholds	ITT reference: P78
Mechanism: Manual	Frequency: Ad-hoc	Volumes: This manual flow is expected to handle a maximum of 6 date ranges to be defined, for each MIDP, for each year. Each date range to have a maximum of 4 different Liquidity Thresholds.	

Interface Requirement:
The BMRA shall receive Market Index Data Provider Liquidity Threshold data from BSCCo. The processing rules for this flow are described in BMRA-F008. The flow shall include: Market Index Data Provider Identifier <u>MIDP Date Range</u> Action Type Effective From Settlement Date Effective To Settlement Date <u>MIDP Period Data</u> Effective From Settlement Period (1-50) Effective To Settlement Period (1-50) Liquidity Threshold Action Type describes the type of operation to be performed in relation to the data supplied in the other fields. It can be one of: • Insert; • Update; • Delete.
Physical Interface Details:
Issues:

7.7 **BMRA-I017: (output) Report Market Index Data Provider Thresholds**

Interface ID: BMRA-I017	User: BSCCo	Title: Report Market Index Data Provider Thresholds	ITT reference: P78
Mechanism: Manual	Frequency: In response to BMRA-I016, as described in BMRA-F008	Volumes: This manual flow is expected to handle a maximum of 6 date ranges to be defined, for each DP, for each year. Each date range to have a maximum of 4 different Liquidity Thresholds.	
Interface Requirement:			

The BMRA shall report Market Index Data Provider Liquidity Threshold to BSCCo. The flow shall include: - Market Index Data Provider Identifier - MIDP Date Range - Effective From Settlement Date - Effective To Settlement Date - MIDP Period Data - Effective From Settlement Period (1-50) - Effective To Settlement Period (1-50) - Liquidity Threshold
Physical Interface Details:
Issues:

7.8 CDCA-I018: (output, part 1) MAR Reconciliation Report

This interface is defined in Part 1 of the Interface Definition and Design.

7.9 CDCA-I019: (output, part 1) MAR Remedial Action Report

This interface is defined in Part 1 of the Interface Definition and Design.

7.10 CDCA-I022: (input) Distribution Line Loss Factors

The BSC Parties send the Distribution Line Loss Factors to the BSCCo Ltd for validation, then the BSCCo Ltd sends them on to CDCA via this interface:

Interface Id: CDCA-I022	Source: BSCCo Ltd	Title: Distribution Line Loss Factors	ITT reference: CDCA SD 15.1 CDCA BPM 4.5 (?), CP548
Mechanism: Electronic data file transfer	Frequency: Annually	Volumes: 17568000 factors (1000 metering systems * 366 * 48)	
Interface Requirement:			
The CDCA receives Line Loss Factors relating to a Metering System from BSCCo Ltd. Metering System Identifier Settlement Date Settlement Period Line loss Factor			
Note that each instance of the flow may contain up to 200000 records, and that it is legal for replacement data to be provided where necessary.			
Physical Interface Details:			

7.11 CDCA-I023: (output) Missing Line Loss Factors

Interface Id: CDCA-I023	User: BSCCo Ltd	Title: Missing Line Loss Factors	ITT reference: CDCA SD 15.2, CP527
Mechanism: Manual	Frequency: Monthly, covering a period of four months from the run date	Volumes: 17520000 factors (1000 metering systems * 365 * 48)	
Interface Requirement:			
The CDCA shall validate such Line Loss Factors received from the BSCCo Ltd. Any missing or invalid factor values will be reported back to the BSCCo Ltd. Attributes are likely to include: File Reference for Line Loss Factors Date LLF File Received File Acceptance Status (all accepted, partially accepted, file rejected) Date of Acceptance Status File Rejection Reason (if File Acceptance Status = file rejected) Details of any individual exceptions: Metering System Identifier (for site specific Line Losses) Settlement Date Time Period Line Loss Factor Reason for rejection			
Physical Interface Details:			

7.12 CDCA-I032: (output) Data Collection and Aggregation Performance Report

Interface Id: CDCA-I032	User: BSCCo Ltd (Customer)	Title: Data Collection and Aggregation Performance Report	ITT reference: CDCA SD 19.6 CP1153
Mechanism: Manual, probably in whole or in part produced using a report-formatting tool.	Frequency: As below	Volumes:	
Interface Requirement: CDCA shall provide performance reports on the data collection and data aggregation functions to the BSCCo Ltd. These shall include: <i>Monthly, or immediately if service level falls below agreed level for each item:</i> Percentage of total number of Outstation Channels interrogated; Percentage of total number of Outstation Channels successfully read by agreed time [eg 09:00 at Day+1]; Percentage of data needing to be estimated that was created in time for Interim Initial Settlement; Percentage of data needing to be estimated that was agreed with BSC Party in time for Initial Settlement; Percentage of raw meter data sent to relevant BSC Party by agreed time [eg 13:00 on Day+1]; Percentage of aggregated meter data which included estimates sent to SAA for Interim Initial Settlement; Percentage of aggregated meter data which included estimates sent to SAA for Initial Settlement; <i>Monthly:</i> Percentage of changed metered data reported to SAA in time for next Settlement Run for relevant Settlement Day; Percentage of occasions where Site appointments were kept on agreed date and time; Percentage of occasions where help desk queries were registered to agreed timescales; Percentage of occasions where help desk queries were responded to within agreed timescales according to severity level; Percentage of occasions where help desk queries were resolved to agreed timescales. <i>Quarterly:</i> Percentage of responses to MOA for Proving Test requests given by agreed time [eg 5 working days] for remote tests; Percentage of responses to MOA for Proving Test requests given by agreed time [eg 1 working day] for local tests; Percentage of suspected metering system faults notified to MOA within agreed time [eg 1 working day]; Percentage of MAR data and reports issued to BSC Party within agreed timescales [eg three, six or twelve months for a given metering system; refer to CDCA-F013 for details]; Percentage of reports issued in complete, accurate and correct format to BSC Parties and SAA over the period; <i>Quarterly, or immediately if service level falls below agreed level for each item:</i> Percentage of Proving Test results sent to MOA within agreed time [eg 1 working day] of completion; <i>By exception and confirmed monthly:</i> Percentage of cases where receipt of information from a BSC Party is confirmed back to Party within agreed timescales [eg 15 minutes for data received electronically]; Percentage of cases where information received from CRA or a BSC Party is processed within agreed timescales;			
Physical Interface Details:			

7.13 CDCA-I047: (output, part 1) Correspondence Receipt Acknowledgement

This interface is defined in Part 1 of the Interface Definition and Design

7.14 CDCA-I061 (input) Receive System Parameters

Requirement ID: CDAA-I061	Status: Mandatory	Title: System Parameters	ITT reference: CP751
Interface Requirement:			
The CDCA Service shall receive the following system parameters from the BSCCo Ltd via a manual interface, expected to be either a fax or telephone call:			
Primary/Secondary Time-Shift Factor			
Physical Interface Details:			
The BSCCo Ltd system parameter values shall continue to apply to all settlement periods, until a change to a parameter is made.			
Issues:			

7.15 CDCA-I062: (input) Receive Sample Settlement Periods⁵

Interface Id: CDCA-I062	Source: BSCCo Ltd	Title: Receive Sample Settlement Periods	ITT reference: P82
Mechanism: Manual	Frequency: Annually	Volumes: 600 periods	
Interface Requirement:			
CDCA shall receive the specification of all Load Periods and Sample Settlement Periods for the latest Reference Year from BSCCo Ltd, via a manual interface.			
CDCA shall receive the data for the latest Reference Year, no later than 5 October in the current BSC Year.			
The following information shall be included in the interface:			
Reference Year			
Load Period Name			
Settlement Date			
Sample Settlement Period			
Total Number of Sample Settlement Periods in Load Period			
Total Number of Settlement Periods in Load Period			
Physical Interface Details:			

⁵ This functionality was added for the Introduction of Zonal Transmission Losses on an Average Basis (P82), but will not be used.

A physical structure is defined for this manual interface because it will be processed automatically.

7.16 CDCA-I064: (output) MOA Proving Tests Report

Interface Id: CDCA-I064	User: BSCCo Ltd	Title: MOA Proving Tests Report	ITT reference: P99
Mechanism: Manual	Frequency: Monthly	Volumes: Low	
Interface Requirement:			
CDCA shall report the following information to the BSCCo, after the end of every month: <u>Participant Header</u> Market Sector Market Participant Role Code Meter Operator Agent Id Period End Date Periodicity <u>CVA MOA Serial 1 Data</u> GSP Group ID Number of MSIDs for which Proving Test outstanding Average number of business days for which Proving Test is outstanding after scheduled date of Proving Test, at time of report Count of faults outstanding after scheduled date of Proving Test The report shall be produced in POOL file format, and sent to the BSCCo (as an email attachment) no later than 7 Business Days after the end of the month to which the data pertains.			
Physical Interface Details:			
The filename shall be CDCA133<last digit of the year number>.<MON>, where <MON> is the reporting month (e.g. JAN, FEB, etc.). See the physical flow for details, in the BSCCo Ltd tab of the IDD Part 2 spreadsheet. ZHD Header information:			
File Type		='P0133001'	
From Role Code		='Z'	
From Participant Id		='CDCA'	
To Role Code		='Z'	
To Participant Id		='POOL'	
Creation Time		date and time (local) of file generation YYYYMMDDHHMISS	

7.17 CDCA-I065: (output) MOA Fault Resolution Report

Interface Id: CDCA-I065	User: BSCCo Ltd	Title: MOA Fault Resolution Report	ITT reference: P99
Mechanism: Manual	Frequency: Monthly	Volumes: Low	
Interface Requirement:			
CDCA shall report the following information to BSCCo Ltd, after the end of every month: <u>Participant Header</u> Market Sector Market Participant Role Code Meter Operator Agent Id Period End Date Periodicity <u>CVA MOA Serial 2 Data</u> GSP Group ID Number of MSIDs with fault Count of faults identified Average number of business days faults outstanding Average number of business days taken to resolve fault The report shall be produced in POOL file format, and sent to BSCCo Ltd (as an email attachment) no later than 7 Business Days after the end of the month to which the data pertains.			
Physical Interface Details:			
The filename shall be CDCA134<last digit of the year number>.<MON>, where <MON> is the reporting month (e.g. JAN, FEB, etc.). See the physical flow for details, in the BSCCo Ltd tab of the IDD Part 2 spreadsheet.			
ZHD Header information:			
File Type		='P0134001'	
From Role Code		='Z'	
From Participant Id		= 'CDCA'	
To Role Code		='Z'	
To Participant Id		='POOL'	
Creation Time		date and time (local) of file generation YYYYMMDDHHMISS	

7.18 CRA-I001: (input & output, part 1) BSC Party Registration Data

This interface is defined in Part 1 of the Interface Definition and Design.

7.19 CRA-I003: (input, part 1) BSC Party Agent Registration Data

This interface is defined in Part 1 of the Interface Definition and Design.

7.20 CRA-I004: (input, common) BSC Service Agent Details

This interface is defined in Section 4.

7.21 CRA-I011: (input) CALF

Interface ID: CRA-I011	Source: BSCCo Ltd	Title: CALF	ITT reference: CRA SD 5.0, CRA BPM 3.5, CRA 4.5, ERM, RETA SCH 4,B, 2.4.2, CR 12, CP756
Mechanism: Manual, by email, letter or fax	Frequency: As necessary	Volumes: approximately 4 times per year	
The CRA shall receive, from time to time the Credit assessment Load factor from the BSCCo Ltd. The information shall contain: Action Description <u>Authentication Details</u> Name Password <u>BM Unit Credit Assessment Load Factor Details</u> BM Unit Id Credit Assessment Load Factor (CALF_i) Effective From Date			
Physical Interface Details:			

7.22 CRA-I020: (output, common) Operations Registration Report

This interface is defined in Section 4.

7.23 CRA-I028: (output) NGC Standing Data Report

This interface is defined in Section 4.

7.24 CRA-I029: (input) Transmission Loss Factors

Interface ID: CRA-I029	Source: BSCCo Ltd	Title: Transmission Loss Factors	ITT reference: SAA SD: 2.6, A1 SAA BPM: 3.6, CP756
Mechanism: Manual, by email, letter or fax	Frequency: As required	Volumes: Very low volume	
Interface Requirement: The CRA Service shall receive Transmission Loss data from BSCCo Ltd from time to time. The Transmission Loss data shall contain the following details: Authentication Details Name Password			

<u>Transmission Loss Details</u>
Proportion of Losses (alpha)
Effective From Date
<u>BM Unit Transmission Loss Details</u>
BM Unit ID
Transmission Loss Factor
Effective from Date
Effective to Date

7.25 CRA-I032: (output) CRA Performance Reports

This interface is defined in the CRA URS as a functional requirement rather than an interface requirement. The reference in the CRA URS is CRA-F027.

7.26 CRA-I034: (input) Flexible Reporting Request

Interface ID: CRA-I034	Source: BSCCo Ltd	Title: Flexible Reporting Request	ITT reference: CR 53, CP756
Mechanism: Manual, by email, letter or fax	Frequency:	Volumes:	
Interface Requirement: The CRA shall receive authorisations from BSCCo Ltd. to start or stop sending copies of a BSC Party report to another BSC Party. <u>Requesting BSC Party Details</u> BSC Party Id BSC Party type <u>Report Details</u> Report Type BSC Party Id BSC Party type Start/Stop Flag			
Physical Interface Details: The flow may contain requests from one or more BSC Parties, and each request may cover a			

number of report types/BSC Parties.

7.27 CRA-I035: (output) CRA BSC Section D Charging Data

Interface ID: CRA-I035	User: BSCCo Ltd	Title: CRA BSC Section D Charging Data	ITT reference: CR 65, CN160, P100
Mechanism: Electronic data file transfer	Frequency: Monthly	Volumes:	
Interface Requirement: The system shall, on the 15 th working day of each month, collect information required for charging BSC parties under Section D of the Code and send this to BSCCo Ltd. The information included shall be: Month Participant Id Participant Name Count of CVA Metering Systems Count of CVA BM Units Count of CVA Exempt Export BM Units Count of SVA Base BM Units Count of SVA additional BM Units Count of SVA Replacement Base BM Units Count of SVA Replacement additional BM Units Count of SVA Exempt Export BM Units Each month the information will be produced for both the previous calendar month and the month before that. Data used shall be the latest available data from Interim Run and Initial Run only.			
Physical Interface Details:			

7.28 CRA-I042: (input) Receive Market Index Data Provider Registration Data

Interface ID: CRA-I042	Source: MIDP	Title: Receive Market Index Data Provider Registration Data	ITT reference: P78
Mechanism: Manual	Frequency: As Necessary	Volumes: Low	
Interface Requirement:			

Interface ID: CRA-I042	Source: MIDP	Title: Receive Market Index Data Provider Registration Data	ITT reference: P78
Mechanism: Manual	Frequency: As Necessary	Volumes: Low	
Both initial registration, and updates to details, of a Market Index Data Provider, will be done by BSCCo Ltd. The CRA shall receive Market Index Data Provider Details including the following: Action Description <u>Market Index Data Provider Details</u> Market Index Data Provider Name Market Index Data Provider Identifier Provider Effective From Settlement Date Provider Effective To Settlement Date <u>Contact Details</u> <u>Name</u> <u>Address</u> <u>Telephone No</u> <u>Fax No</u> <u>e-mail Address</u>			
Physical Interface Details:			

7.29 CRA-I043: (input) Receive Exempt Export Registration Data

Interface ID: CRA-I043	Source: BSCCo Ltd	Title: Receive Exempt Export Registration Data	ITT reference: P100
Mechanism: Manual, by email, letter or fax	Frequency: As necessary	Volumes: Low	
CRA shall receive the Exempt Export registration details for a BM Unit from BSCCo Ltd via a manual interface. The flow shall include the following: <u>BM Unit Details</u> BSC Party Id BM Unit Id <u>Exempt Export Registration</u> Effective From Settlement Date Or, <u>Exempt Export De-Registration</u> Effective To Settlement Date			
Physical Interface Details:			

7.30 CRA-I044: (input) Withdrawals Checklist Request

Interface ID: CRA-I044	Source: BSCCo Ltd	Title: Withdrawals Checklist Request	ITT reference: CP974
Mechanism: Manual, by email or fax	Frequency: Ad hoc	Volumes: Low	
The CRA shall receive a request for the Withdrawals Checklist from BSCCo Ltd on an ad-hoc basis. The request shall contain the following information: BSC Party / BSC Party Agent Name, and / or BSC Party / BSC Party Agent Id Reason for request Withdrawal Date (optional) Notes: - Valid reasons for requesting the Withdrawals Checklist shall be defined as (not exclusively): - Information - Final Compliance - The Withdrawal Date shall optionally be included in a request, as an indication of when the 'Final Compliance' report should be run. If included, the CRA shall run the 'Final Compliance' report at 5pm, two Working Days prior to the Withdrawal Date. In this case, there is no need for the BSCCo to submit a specific request for the 'Final Compliance' report, but on the morning of the day that the report is due, the BSCCo shall confirm that the report is required.			
Physical Interface Details:			

7.31 CRA-I047: (output) Withdrawals Checklist

Interface ID: CRA-I047	User: BSCCo Ltd	Title: Withdrawals Checklist	ITT reference: CP974
Mechanism: Manual, by email or fax	Frequency: On request	Volumes: Low	
The CRA shall issue a Withdrawals Checklist on receipt of a request from BSCCo Ltd (via Interface Requirement CRA-I044). The report shall contain the following data: Report Date Reason for Request <u>Registration Details</u> <u>Participation capacities registered</u> BSC Party / BSC Party Agent Name BSC Party / BSC Party Agent Id Market Role Code(s) Effective From Date Effective To Date <u>BM Units registered</u> BM Unit ID			

Effective From Date Final Effective To Date <u>Metering Systems registered</u> MSID Effective From Date Final Effective To Date <u>Communication Lines</u> High-grade or low-grade line Own or shared line <u>FTP accounts/ Encryption keys to be terminated.</u> Access to NETA Central Systems terminated effective from <u>Report non deliveries set up for BSC Party/ BSC Party Agent</u> Flow Type Effective From Date Effective To Date <u>Trading Details</u> Last Day of Trading Payment date of the RF run for the Last Day of Trading (if known) <u>Settlement Details</u> As received via Interface Requirement CRA-I046 <u>Authorisation and Notification Details</u> As received via Interface Requirement CRA-I045
Physical Interface Details:

7.32 ECVAA-I017: (output) ECVAA Performance Report

Interface ID: ECVAA-I017	User: BSCCo Ltd	Title: ECVAA Performance Report	ITT reference: ECVAA SD: B ECVAA IRR: E6 CR 12, CP519
Mechanism: Manual, probably in whole or in part produced using a report-formatting tool.	Frequency: Monthly	Volumes:	

Interface Requirement:

The ECVAA Service shall issue ECVAA Performance Reports once a month to BSCCo Ltd.

- Percentage of valid new or updated registration data incorporated in ECVAA systems within 1 day of receipt
- Percentage of valid new or updated credit limit data incorporated in ECVAA systems within 1 day of receipt
- Percentage of Energy Contract Volume Authorisation requests processed within 1 day of receipt
- Percentage of Energy Contract Volume Authorisation termination requests processed within 1 day of receipt
- Percentage of Metered Volume Reallocation Authorisation requests processed within 1 day of receipt
- Percentage of requests to add additional BM Unit Subsidiaries to an existing Metered Volume Reallocation Authorisation processed within 1 day of receipt
- Percentage of Metered Volume Reallocation Authorisation termination requests processed within 1 day of receipt
- Percentage of Energy Contract Volume Notifications processed within 15 minutes of receipt
- Percentage of valid Energy Contract Volume Notifications aggregated for Settlement Day (SD)

- and Total Energy Contract Volumes calculated and transmitted to SAA by 12:00 on SD + 2
- Percentage of Metered Volume Reallocation Notifications processed within 15 minutes of receipt
- Percentage of Metered Volume Reallocation Notifications for SD transmitted to SAA by 12:00 on SD + 2.
- Percentage of Half Hourly Credit Check Processes completed within 15 minutes of gate closure.
- Percentage of Credit Cover Minimum Eligible Amount Requests processed by the first Working Day after the expiry of the Waiting Period or the date of receipt of the Minimum Eligible Amount Rule Confirmation from BSCCo Ltd, whichever is the later (see ECVAA-F011: Process Credit Cover Minimum Eligible Amount Request).

7.33 ECVAA-I021: (output) Credit Limit Warning

This interface is defined in Part 1 of the Interface Definition and Design.

7.34 ECVAA-I023: (output) ECVAA BSC Section D Charging Data

Interface ID: ECVAA-I023	User: BSCCo Ltd	Title: ECVAA BSC Section D Charging Data	ITT reference: CR 65, CN160
Mechanism: Electronic data file transfer	Frequency: Monthly	Volumes:	
Interface Requirement: The system shall, on the 21 st calendar day of each month, collect information required for charging BSC parties under Section D of the Code and send this to BSCCo Ltd. The information included shall be: Month Participant Id Participant Name Gross Contract Volume where Gross Contract Volume is $\sum_{zabj} ECQ_{zabj} + \sum_{zabj} ECQ_{zbaj} + \sum_{zaij} QMFR_{zaij} + \sum_{zbij} QMFR_{zbij} $ Each month the information will be produced for both the previous calendar month and the month before that. Data used shall be the latest available data from Interim Run and Initial Run only.			
Physical Interface Details:			

7.35 ECVAA-I026: (output) Minimum Eligible Amount Rule Request

Requirement ID: ECVAA-I026	User: BSCCo Ltd	Title: Minimum Eligible Amount Rule Request	ITT reference: CP519
Mechanism: Manual	Frequency: Ad hoc, as a result of receipt of Credit Cover Minimum Eligible Amount Requests	Volumes: Low	

Interface Requirement:

The ECVAA shall issue Minimum Eligible Amount Rule Requests to BSCCo Ltd as a result of the receipt of Credit Cover Minimum Eligible Amount Requests from a BSC Party.

The Minimum Eligible Amount Rule Request data shall comprise:

BSC Party ID

Minimum Eligible Amount Request Date

Note: the Minimum Eligible Amount Request Date is the date of receipt of the Credit Cover Minimum Eligible Amount Request by the ECVAA.

7.36 ECVAA-I027: (input) Minimum Eligible Amount Rule Confirmation

Requirement ID: ECVAA-I027	Source: BSCCo Ltd	Title: Minimum Eligible Amount Rule Confirmation	ITT reference: CP519
Mechanism: Manual	Frequency: Ad hoc, in response to Minimum Eligible Amount Rule Requests	Volumes: Low	
Interface Requirement:			

The ECVAAs shall receive Minimum Eligible Amount Requests from BSCCo Ltd in response to Minimum Eligible Amount Rule Requests.

The Minimum Eligible Amount Rule Confirmation data shall comprise:

BSC Party ID
Minimum Eligible Amount Request Date
Minimum Eligible Amount Rule (75% or 80%)

7.37 ECVAAs-I032: (input) Credit Assessment Price

Requirement ID: ECVAAs-I032	Source: BSCCo Ltd	Title: Credit Assessment Price	ITT reference: P2
Mechanism: Manual	Frequency: As required	Volumes: Low	
Interface Requirement: The ECVAAs Service shall receive the Credit Assessment Price from BSCCo from time to time. The Credit Assessment Price shall comprise: <u>Credit Assessment Price:</u> Credit Assessment Price (£/MWh) Effective from date Notes: The effective from date shall be the settlement date upon which the price is to take effect, and shall be no earlier than the day after the price is received by ECVAAs. The Credit Assessment Price shall be in the range 0.00 to 999.99, and shall be held to two decimal places.			
Physical Interface Details:			

7.38 ECVAAs-I040: (output) Issue Notification System Status Report

Requirement ID: ECVAAs-I040	Source: BSCCo Ltd	Title: Issue Notification System Status Report	ITT reference: CP739
Mechanism: Manual, by email, fax or telephone call.	Frequency: As required	Volumes: Low	
Interface Requirement: The ECVAAs Service shall issue a status report to BSCCo Ltd. as soon as possible after: ▪ The start of an ECVAAs System Failure or ECVAAs System Withdrawal; ▪ A change in the Notification Agents affected by an existing ECVAAs System Failure or ECVAAs System Withdrawal; or ▪ The end of an ECVAAs System Failure or ECVAAs System Withdrawal. The notification shall contain Incident Type (ECVAAs System Failure or ECVAAs System Withdrawal).			

Incident Status (Start, End or Change) Date and Time (GMT) of Incident Status Affected Agents (list of affected Notification Agents or ALL).
Physical Interface Details:

7.39 ECVAA-I041: Receive Party Credit Default Authorisation Details

Interface ID: ECVAA-I041	Source: BSCCo Ltd	Title: Receive Party Credit Default Authorisation Details	ITT reference: CP975
Mechanism: Manual, by email, letter or fax	Frequency: As necessary	Volumes: approximately 10 times per year	
The ECVAA shall receive, from time to time the BSC Party Credit Default Authorisation Flag from the BSCCo Ltd. The information shall contain: <u>Authentication Details</u> Name Password <u>BSC Party Credit Default Authorisation Details</u> BSC Party Id Credit Default Authorisation Flag Effective From Date			
Physical Interface Details:			

7.40 SAA-I010: (input) BSCCo Ltd Cost Data (Redundant)

Interface ID: SAA-I010	Source: BSCCo Ltd	Title: BSCCo Ltd Cost Data	ITT reference: SAA SD: 2.6 SAA BPM: 3.16, 4.12, CP527, CP1223
Mechanism: Electronic data file transfer	Frequency: Monthly/ Annual	Volumes:	

Interface Requirement:

The SAA Service shall receive forecast BSCCo Ltd Costs monthly and actual BSCCo Ltd Costs annually from BSCCo Ltd.

The BSCCo Ltd Cost data shall include:

Forecast Costs:
Settlement Date
BSCCo Ltd Forecast Cost (£)

Total Actual Costs:
Year
BSCCo Ltd Actual Cost (£)

This interface is not in use.

7.41 SAA-I012: (input, part 1) Dispute Notification

This interface is defined in Part 1 of the Interface Definition and Design.

7.42 SAA-I014 (output) Settlement Reports

There are three variants of the Settlement Report. The first variant is sent to BSC Parties and is defined in Part 1 of the IDD. The second variant is sent to the System Operator and is defined in section 5 of this document. The third variant is sent to BSCCo Ltd and is defined here:

Interface ID: SAA-I014	User: BSCCo Ltd	Title: Settlement Report	ITT reference: CR_991027_06a, CP527, P8, P18A, CP597, CP610, P71, P78, P194
Mechanism: Electronic data file transfer	Frequency: Daily per settlement run	Volumes:	

The following information is provided:

Settlement Day Information
Settlement Date
Settlement Run Type
SAA Run Number
SAA CDCA Settlement Run Number
SVAA CDCA Settlement Date
SVAA CDCA Settlement Run Number
SVAA SSR Run Number
BSC Party Id

For each BSC Party:

BSC Party Information
BSC Party Id
Aggregate Party Day Charges (defined in IDD Part 1 section 8.4.1)

For each Settlement Period:

Settlement Period Information
Settlement Period (1-50) (j)
Total Demand (sum of all negative QM_{ij})
Notional Reserve Limit (MW) (only for Settlement Dates prior to the P78 effective date)
Arbitrage Flag
 $CADL_d$ Continuous Acceptance Duration Limit
 $DMAT_d$ De Minimis Acceptance Threshold
System Period Data (defined in IDD Part 1 section 8.4.3)

Trading Unit Period Information:
Trading Unit Name
Total Trading Unit Metered Volume (MWh)

BM Unit Period Information:

BM Unit ID (i)
Trading Unit Name
Period FPN (FPN_{ij}) (MWh)
BM Unit Metered Volume (QM_{ij}) (MWh)
Transmission Loss Multiplier (TLM_{ij})
BM Unit Applicable Balancing Services Volume (QAS_i) (MWh)

BM Unit Period Bid-Offer Information:

Bid-Offer Pair Number (n)
Bid Price (PB_{ij}ⁿ) (£)
Offer Price (Po_{ij}ⁿ) (£)

BM Unit Period Bid-Offer Spot Points (QBO_{ij}ⁿ):

Time from
Bid-Offer Value from
Time to
Bid-Offer Value to

Maximum Export Limit Information:

Time From
Level From (MW)
Time to
Level To (MW)

Maximum Import Limit Information:

Time From
Level From (MW)
Time to
Level To (MW)

Physical Interface Details:

This is sub-flow 3 of the Settlement Report, file id S0143.

For the Interim Initial Settlement Run, the full set of data is included in the file.

For subsequent Settlement Runs, certain information is only included if it has been changed: this applies to the Maximum Export Limit Information, (MEL), Minimum Export Limit Information (MIL), and BM Unit Period Bid-Offer Spot Points (BO2). BM Unit Period Bid-Offer Information (BBO) is only included where there are changes (to prices or to underlying BM Unit Period Bid-Offer Spot Points (BO2)).

For BO2 it is possible that the change being reported is that the record has been deleted; this is indicated by reporting nulls, e.g.

where there had been a record

BO2|10|123456.789|20|123456.789|

deletion of this record would be shown by

BO2|10||20||

Note:

SAA CDCA Settlement Run Number

Identifies the CDCA run which generated volumes used directly by SAA in the settlement calculations

For runs other than Interim Initial:

SVAA CDCA Settlement Date

SVAA CDCA Settlement Run Number

Identify the CDCA run for Settlement Date which generated the GSP Group Take volumes which were allocated by the SVAA

SVAA SSR Run Number

Identifies the SVAA Run for Settlement Date which generated the SVA BM Unit volumes

For Interim Initial Settlement Run:

SVAA CDCA Settlement Date

SVAA SSR Run Number

Identify the Settlement Date and Initial Settlement (SF) SVAA Run from which SVA volumes are derived

SVAA CDCA Run Number

Will be zero

7.43 SAA-I016: (output, part 1) Settlement Calendar

This interface is defined in Part 1 of the Interface Definition and Design.

7.44 SAA-I018: (output, part 1) Dispute Report

This interface is defined in Part 1 of the Interface Definition and Design.

7.45 SAA-I019: (output) BSC Party Performance Reports (Redundant)

Interface ID: SAA-I019	User: BSCCo Ltd	Title: BSC Party Performance Reports	ITT reference: SAA IRR: SAA6, CP1222
Mechanism: Electronic data file transfer	Frequency: Monthly	Volumes:	

Interface Requirement:

The SAA Service shall issue BSC Party Performance Reports once a month to BSCCo Ltd.

The BSC Party Performance Reports shall include:

- BSC Party rankings by number/volume of trades
- BSC Party rankings by imbalance volumes

Ranking will be as follows:

Ranking by Number of Trades, then by Volume (ie if two parties have the same number of trades, then their relative ranking will be established using volume of trades).

Ranking by Energy Imbalance, then by Information Imbalance (ie if two parties have the same energy imbalance, then their relative ranking will be established using information imbalance). Note that the Imbalance Volumes flow for this report contains only a single value for imbalance volume.

This interface is not in use.

7.46 SAA-I020: (output) SAA Performance Reports

Interface ID: SAA-I020	User: BSCCo Ltd	Title: SAA Performance Reports	ITT reference: SAA SD: B, CP527, P78
Mechanism: Manual, probably in whole or in part produced using a report-formatting tool.	Frequency: Monthly	Volumes:	

Interface Requirement:

The SAA Service shall issue SAA Performance Reports once a month to BSCCo Ltd.

The SAA Performance Reports shall include:

Settlement Run Reporting:

Month Ending Date
Settlement Date
Report Run Type
Report Recipient
Expected Settlement Report Date
Settlement Run Date/Time
Actual Settlement Report Date/Time

Settlement Calendar Publishing:

Settlement Calendar Year
Expected Publish Date
Actual Publish Date

BM Unit Credit Assessment Import Capability Reporting:

Month Ending Date
Reason (Month End/CALF Change)
Report Recipient
Expected Report Date
Actual Report Date

Help Desk Reporting :

Call Severity Level
Response Time

Market Index Data Provider Performance:

Month Ending Date

Market Index Data Provider Identifier

Number of Settlement Days for which Market Index Data was not provided in time for the Initial Interim Settlement Run

Number of Settlement Periods where individual Liquidity Threshold required default by SAA

Number of Settlement Periods where zeroes were used in the Initial Interim Settlement Calculation

7.47 SAA-I023: (input) System Parameters

Requirement ID: SAA-I023	Status: Mandatory	Title: System Parameters	ITT reference: CR 003, P10, P18A, CP632, P194
Mechanism: Manual	Frequency: Ad-hoc	Volumes: Low – typically one or two per month	
Interface Requirement: The SAA Service shall receive the following system parameters from the BSCCo Ltd via a manual interface, expected to be either a fax or telephone call: Effective from Settlement Date Effective from Settlement Period (1-50) Effective to Settlement Date Effective to Settlement Period (1-50) Information Imbalance Price 1 Information Imbalance Price 2 Arbitrage Flag NRL _j (Notional Reserve Limit) (MW) DMAT _d (De Minimis Acceptance Threshold) (MWh) CADL _d (Continuous Acceptance Duration Limit (minutes) PAR _d (Price Averaging Reference Volume) (MWh) (0-9,999,999,999)			
Physical Interface Details:			
The BSCCo Ltd system parameter values shall continue to apply to all settlement periods, until a change to a parameter is made.			
Issues:			

7.48 SAA-I025: (output) SAA BSC Section D Charging Data

Interface ID: SAA-I025	User: BSCCo Ltd	Title: SAA BSC Section D Charging Data	ITT reference: CR 65, CN160
Mechanism: Electronic data file transfer	Frequency: Monthly	Volumes:	
Interface Requirement: The system shall, on the 15th working day of each month, collect information required for charging BSC parties under Section D of the Code and send this to BSCCo Ltd. The information included shall be: Month Participant Id Participant Name Production/Consumption Flag Volume where Volume is Credited Energy Volume for the Production/Consumption Energy Account belonging to the BSC Party. Each month the information will be produced for both the previous calendar month and the month before that. Data used shall be the latest available data from Interim Run and Initial Run only.			
Physical Interface Details:			

7.49 SAA-I027: (output) Report pre-settlement run validation failure

Interface ID: SAA-I027	Source: SAA	Title: Report pre-settlement run validation failure	ITT reference: CP639, CP1222
Mechanism: Manual	Frequency: Ad-hoc	Volumes: As required.	
Interface Requirement: The SAA shall send to BSCCo details of pre-settlement run validation failures. The content of the report shall include Settlement Date Settlement Run Type Failure Reasons			
Physical Interface Details:			
This interface is likely to take the form of a fax or an e-mail or a telephone call. Failure Reasons will be various.			
Issues:			

7.50 SAA-I028: (input) Receive settlement run decision

Interface ID: SAA-I028	Source: BSCCo	Title: Receive settlement run decision	ITT reference: CP639
Mechanism: Manual	Frequency: In response to SAA-I027	Volumes: Low – typically one or two per month	
Interface Requirement: BSCCo shall send to the SAA a decision on whether a settlement run should continue if the SAA has reported pre-settlement run validation run failures (SAA-I027) for this run. Settlement Date Settlement Run Type Decision			
Physical Interface Details: This interface is likely to take the form of a fax or an e-mail or a telephone call. Failure Reasons will be various.			
Issues:			

7.51 SAA-I029: (input) Receive settlement run instructions

Interface ID: SAA-I029	Source: BSCCo	Title: Receive settlement run instructions	ITT reference: CP639
Mechanism: Manual	Frequency: In response to SAA-I027	Volumes: Low – typically one or two per month	
Interface Requirement: BSCCo shall send to the SAA instructions on how to progress a settlement run that the SAA has reported pre-settlement run validation run failures (SAA-I027) for. Settlement Date Settlement Run Type Instructions			
Physical Interface Details: This interface is likely to take the form of a fax or an e-mail or a telephone call. Failure Reasons will be various.			
Issues:			

7.52 SAA-I031: (input) Receive Market Index Data Provider Thresholds

Interface ID: SAA-I031	Source: BSCCo	Title: Receive Market Index Data Provider Thresholds	ITT reference: P78
Mechanism: Manual	Frequency: Ad-hoc	Volumes: This manual flow is expected to handle a maximum of 6 date ranges to be defined, for each DP, for each year. Each date range to have a maximum of 4 different Liquidity Thresholds.	
Interface Requirement:			
The SAA shall receive Market Index Data Provider Liquidity Threshold data from BSCCo. The processing rules for this flow are described in SAA-F023. The flow shall include: - Market Index Data Provider Identifier <u>MIDP Date Range</u> - Action Type - Effective From Settlement Date - Effective To Settlement Date <u>MIDP Period Data</u> - Effective From Settlement Period (1-50)			

Effective To Settlement Period (1-50) Liquidity Threshold Action Type describes the type of operation to be performed in relation to the data supplied in the other fields. It can be one of: • Insert; • Update; • Delete.
Physical Interface Details:
Issues:

7.53 SAA-I032: (output) Report Market Index Data Provider Thresholds

Interface ID: SAA-I032	User: BSCCo	Title: Report Market Index Data Provider Thresholds	ITT reference: P78
Mechanism: Manual	Frequency: In response to SAA-I031, as described in SAA-F023	Volumes: This manual flow is expected to handle a maximum of 6 date ranges to be defined, for each DP, for each year. Each date range to have a maximum of 4 different Liquidity Thresholds.	
Interface Requirement:			
The SAA shall report Market Index Data Provider Liquidity Threshold to BSCCo. The flow shall include: Market Index Data Provider Identifier <u>MIDP Date Range</u> Effective From Settlement Date Effective To Settlement Date <u>MIDP Period Data</u> Effective From Settlement Period (1-50) Effective To Settlement Period (1-50) Liquidity Threshold			
Physical Interface Details:			
Issues:			

7.54 ~~TAA-I001: (input) Annual number of site visits~~

Requirement ID: TAA-I001	Source: BSCCo Ltd	Title: Annual number of site visits	ITT reference: 3.1.5
Mechanism: Manual	Frequency: Annual	Volumes: 1	
Interface Requirement:			
The BSCCo Ltd sends the TAA the annual number of Metering Systems to be technically assured.			
● Number of Metering Systems in CRA ● Percentage figure to be applied ● Total number of Metering Systems to be assured.			

7.55 ~~TAA-I002: (output) Agree Metering systems to be subject to Revisited site visits~~

Requirement ID: TAA-I002	User: BSCCo Ltd	Title: Agree Metering systems to be subject to Revisited site visits.	ITT reference: 3.1.6, CP619
Mechanism: Manual	Frequency: Quarterly	Volumes:	
Interface Requirement:			
The TAA sends BSCCo Ltd a list detailing the Metering Systems for which "Targeted", "Revisited" and "Sampled" technical assurance visits will be performed.			
The BSCCo Ltd will be sent the list in an electronic format and include the following detail			
- Category—Sample, Targeted or Revisited - Metering System Identifier - Quarter 1, 2, 3, or 4			

7.56 — ~~TAA I003: (input) Notify Metering Systems to be subject to Targeted, Urgent or Additional site visits~~

Requirement ID: TAA-I003	Source: BSCCo Ltd	Title: Notify Metering Systems to be subject to Targeted, Urgent or Additional site visits	ITT reference: 3.2.9, CP619
Mechanism: Manual	Frequency: Quarterly (targeted), at any time (others)	Volumes:	
Interface Requirement:			
The BSCCo Ltd sends a the TAA a list detailing the Metering Systems for which technical assurance visits are to be performed.			
The BSCCo Ltd will be send the list in an electronic format.			
The list will include			
• Metering System Identifier • Type of Inspection • Targeted • Urgent • Additional Targeted • Additional Revisited			

7.57 — ~~TAA I009: (output, part 1) Non compliance / compliance notice~~

~~This interface is defined in Part 1 of the IDD.~~

7.58 ~~TAA-I010: (output) Report to BSCCo Ltd~~

Requirement ID: TAA-I010	User: BSCCo Ltd	Title: Report to BSCCo Ltd	ITT reference: TAA-SD-3.4.3
Mechanism: Manual	Frequency: Monthly	Volumes: 1	
Interface Requirement:			
The results and details of all technical assurance visits shall be reported by the TAA to the BSCCo Ltd.			
● Number of site visits performed by category ● Number of Non Compliances by category ● Number of access failures			

7.59 ~~TAA-I017: (input) Approved Metering Dispensation~~

Requirement ID: TAA-I017	Source: BSCCo Ltd	Title: Approved Metering Dispensation	ITT reference: GR095
Mechanism: -Manual	Frequency: On-Demand	Volumes:	
Interface Requirement:			
BSCCo Ltd. shall send the TAA details of approved metering dispensations. The information provided shall include: ● Identity of Site ● Metering System Identifier ● Metering Dispensation number ● Metering Dispensation details.			

7.60 ~~TAA-I018: (input) Metering Dispensation Application~~

Requirement ID: TAA-I018	Source: BSCCo Ltd	Title: Metering Dispensation Application	ITT reference: CR095, CP619
Mechanism: -Manual	Frequency: On-Demand	Volumes:	
Interface Requirement:			
BSCCo Ltd. shall notify the TAA of applications for metering dispensations. The information provided shall include:			
● Identity of Site ● Metering System Identifier ● Dispensation Issue Reference Number ● Metering Dispensation details.			

7.61 ~~TAA-I019: (input) Metering Dispensation Result~~

Requirement ID: TAA-I019	Source: BSCCo Ltd	Title: Metering Dispensation Result	ITT reference: CR095
Mechanism: -Manual	Frequency: On-Demand	Volumes:	
Interface Requirement:			
BSCCo Ltd. shall notify the TAA of the result of metering dispensation applications. The information provided shall include: ● Identity of Site ● Metering System Identifier ● Metering Dispensation Number (if applicable) ● Result			

7.62 ~~TAA-I020: (input) Metering Dispensation Appeal Result~~

Requirement ID: TAA-I020	Source: BSCCo Ltd	Title: Metering Dispensation Appeal Result	ITT reference: CR095
Mechanism: -Manual	Frequency: On-Demand	Volumes:	
Interface Requirement:			
BSCCo Ltd. shall notify the TAA of the result of metering dispensation appeals. The information provided shall include: ● Identity of Site ● Metering System Identifier ● Metering Dispensation Number (if applicable) ● Result			

7.61 SAA-I034: (output) Report Recommended Data Change

Interface ID:	User:	Title:	ITT reference:
SAA-I034	BSCCo	Report Recommended Data Change	CP995
Mechanism:	Frequency:	Volumes:	
Manual	In response to SAA-I033	Low	
Interface Requirement:			
The SAA will report to BSCCo a recommend a course of action with regards a request for data change receive from the System Operator (via SAA-I033).			
Non Functional Requirement:			
Issues:			

7.62 SAA-I035: (input) Receive Instruction for Data Change

Interface ID: SAA-I035	Source: BSCCo	Title: Receive Instruction for Data Change	ITT reference: CP995
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Mechanism:	Frequency:	Volumes:
Manual	In response to SAA-I034	Low
Interface Requirement:		
In response to SAA-I034 BSCCo shall send to the SAA instructions for a data change.		
Non Functional Requirement:		
Issues:		

7.63 SAA-I036: (output) Report Confirmation of Data Change

Interface ID:	User:	Title:	ITT reference:
SAA-I036	BSCCo, System Operator	Report Confirmation of Data Change	CP995
Mechanism:	Frequency:	Volumes:	
Manual	In response to SAA-I035	Low	
Interface Requirement:			
The SAA shall report to BSCCo and the System Operator confirmation of the completion of an instructed data change (received via SAA-I035).			
Non Functional Requirement:			
Issues:			

7.64 SAA- I038: (input) Receive Excluded Emergency Acceptance Pricing Information

Interface ID:	Source:	Title:	ITT reference:
SAA-I038	BSCCo	Receive Excluded Emergency Acceptance Pricing Information	P172

Mechanism:	Frequency:	Volumes:
Manual	Ad-hoc	Low
Interface Requirement: The BSCCo shall send to the SAA recalculated Energy Imbalance Prices resulting from Excluded Emergency Acceptances prior to each subsequent Settlement Run. The following data items will be included in the communication: Settlement Day Settlement Period Buy Price Sell Price Settlement Run Type that was used to calculate the new Energy Imbalance Prices.		
Non Functional Requirement:		
Issues:		

7.65 SAA-I039: (output) Send Excluded Emergency Acceptance Dry Run Results

Interface ID:	User:	Title:	ITT reference:
SAA-I039	SAA	Send Excluded Emergency Acceptance Dry Run Results	P172
Mechanism:	Frequency:	Volumes:	
Manual	Ad-hoc	Low	
Interface Requirement: The SAA shall, as a result of any additional 'dry run' carried out in response to Excluded Emergency Acceptances received, send to the BSCCo confirmation of whether SAA has matched the prices within the defined threshold. The confirmation will be in the form of a Y/N flag.			
Non Functional Requirement:			
Issues:			

7.66 SAA- I040: (input) Receive Authorisation To Proceed With Full Settlement Run

Interface ID:	Source:	Title:	ITT reference:
SAA-I040	BSCCo	Receive Authorisation To Proceed With Full Settlement Run	P172
Mechanism:	Frequency:	Volumes:	
Manual	Ad-hoc	Low	
Interface Requirement:			
The BSCCo shall send to the SAA authorisation to proceed with the full Settlement Run.			
Non Functional Requirement:			
Issues:			

7.67 ECVA- I049: (input) Request to remove all ECVNs and MVRNs from ECVA for a Party in Section H Default

Interface ID:	Source:	Title:	ITT reference:
ECVAA-I049	BSCCo Ltd	Request to remove all ECVNs and MVRNs from ECVAA for a Party in Section H Default	CP1140 CP1169
Mechanism:	Frequency:	Volumes:	
Manual, by email.	As required	Low	
Interface Requirement:			
The ECVAA shall receive, from time to time request to remove all ECVNs and MVRNs from ECVAA for a Party in Section H Default, which shall contain:			
1. Party ID 2. Removal effective from Date 3. Removal effective from Period 4. Copy of the BSC Panel resolution 5. Any notes pertinent to this removal			
Physical Interface Details:			

7.68 ECVAAs-I050: (output) Remove all ECVNs and MVRNs from ECVAAs for a Party in Section H Default Feedback.

Requirement ID:	User:	Title:	ITT reference:
ECVAA-I050	BSCCo Ltd	Remove all ECVNs and MVRNs from ECVAA for a Party in Section H Default feedback	CP1140 CP1169
Mechanism:	Frequency:	Volumes:	
Manual, by email.	As required	Low	
Interface Requirement:			
The ECVAA shall issue feedback to BSCCo Ltd following the <u>receipt of a request to remove all</u> ECVNs and MVRNs for a Party in Section H default, which shall contain:			
1. Party ID 2. Removal effective from Date 3. Removal effective from Period 4. Any notes pertinent to this removal			
Physical Interface Details:			
The ECVAA-I050 shall be used on the following occasions:			
Where the dis-application is to commence from Period 1:			
1. To confirm receipt of the ECVAA-I049. 2. To confirm that all Notifications have been removed and all Authorisations terminated for the defaulting Party, 3. To confirm that the Credit Check has been restarted. 4. To confirm that the final check has been completed.			
Where the dis-application is to commence from any period other than Period 1:			
1. To confirm receipt of the ECVAA-I049. 2. To confirm that all Notifications have been removed from the next settlement day and all Authorisations terminated for the defaulting Party, 3. To confirm that the Credit Check has been restarted. 4. To confirm that the Volume Nullification process is completed. An update on the progress of each Volume Notification Nullification will be sent every working day if this process takes more than one working day. 5. To confirm that the final check has been completed.			
Note: additional informal communications may occur between the ECVAA and BSCCo by email and/or telephone as individual circumstances dictate.			

8 Interfaces From and To Stage 2

[NO CHANGE PROPOSED TO THIS SECTION]

9 Interfaces Within Logica NETA Central Systems

9.1 BMRA-I001 (input): Registration Data

See CRA-I013 and CRA-I015 in section 4.

9.2 BMRA-I007 (output) SAA/ECVAA Balancing Mechanism Data

Interface IDs: From: BMRA-I007 To: SAA-I003 To: ECVAA-I048	User: SAA, ECVAA	SAA/ECVAA Balancing Mechanism Data	ITT reference: RETA SCH: 4, B, 2.4.1 SAA SD: 2.1, A1, ITT Query Response Ref R-031 SAA BPM: 3.3, 4.3, 4.4, 4.17, 4.18, P71, P140
Mechanism: BMRA stores the files it receives from the SO in a directory readable by SAA and ECVAA.	Frequency: As required for SAA and ECVAA.	Volumes: Between 1000 - 5000 BM units*. In each settlement period, at least 1 FPN data and 1 Bid-Offer Acceptance per BM unit. At most 10 Bid-Offer Pairs per BM unit (estimated 1000) that receives bids and offers.	
Interface Requirement: The BMRA Service shall copy all Balancing Mechanism data that was received from the SO on settlement day N to a directory that is readable by SAA. The SAA shall load the data in time for the first (Interim) settlement run for settlement day N. . Physical Notification data shall additionally be copied to a directory readable by the ECVAA. * N.B. Only Physical Notification data will be read by ECVAA. Balancing mechanism data shall include all data listed in BMRA-I002 that was received from the SO, i.e: - Physical Notification (PN) - Quiescent PN (QPN) - Bid-Offer Data (BOD) - Bid-Offer Acceptance Level (BOAL) - Applicable Balancing Services Volume (QAS) - Maximum Export Limit (MEL) - Maximum Import Limit (MIL) - Run Up Rates Export (RURE) - Run Up Rates Import (RURI) - Run Down Rates Export (RDRE) - Run Down Rates Import (RDRI) - Notice to Deviate from Zero (NDZ) - Notice to Deliver Offers (NTO) - Notice to Deliver Bids (NTB) - Minimum Zero Time (MZT) - Minimum Non-Zero Time (MNZT) - Stable Export Limit (SEL) - Stable Import Limit (SIL) - Maximum Delivery Volume (MDV) - Maximum Delivery Period (MDP)			

Interface IDs: From: BMRA-I007 To: SAA-I003 To: ECVA A-I048	User: SAA, ECVA A	SAA/ECVA A Balancing Mechanism Data	ITT reference: RETA SCH: 4, B, 2.4.1 SAA SD: 2.1, A1, ITT Query Response Ref R-031 SAA BPM: 3.3, 4.3, 4.4, 4.17, 4.18, P71, P140
Physical Interface Details:			

9.3 BMRA-I010: (output, common) Data Exception Reports

This interface is defined in Part 1 of the Interface Definition and Design.

9.4 BMRA-I018: (input) Publish Credit Default Report

See ECVA A-I036 in this section.

9.5 CDCA-I002: (input) Registration Data

See CRA-I019 in this section.

9.6 CDCA-I016: (input) Information from TAA

<u>Interface Id:</u> <u>CDCA-I016</u>	<u>Source:</u> <u>TAA</u>	<u>Title:</u> <u>Request for</u> <u>Metering System</u> <u>details</u>	<u>ITT reference:</u> <u>TAA SD 3.2.3</u>
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Mechanism: <u>Manual</u>	Frequency: <u>Quarterly</u>	Volumes: <u>1</u>
Interface Requirement:		
The TAA shall request from the CDCA the following details for each Metering Systems identified by the BSCCo Ltd as being in the Sampled category: This information shall be used by the TAA to ensure that a fair sample is selected, and to ensure that any selection guidance given by the BSCCo Ltd can be followed. • <u>Relevant BSC Party</u> • <u>Meter Operator Agent</u> • <u>Metering Equipment technical details</u> • <u>Applicable Code of Practice</u> • <u>GSP and/or GSP Group</u>		

See TAA-I004 in this section.

9.7 CDCA-I020: (input) Site Visit Inspection Report

Interface Id: CDCA-I020	Source: CDCA Site Visit Agent	Title: Site Visit Inspection Report	ITT reference: CDCA SD 13.1- 13.7, CP753, CP756, P190
Mechanism: Manual, by email, letter or fax	Frequency: Ad hoc	Volumes: 50 per month	
Interface Requirement:			
On completion of the site inspection, the Site Visit Agent will provide a written report to CDCA detailing the outcome of the site inspection including, but not limited to meter readings.			
Physical Interface Details:			

9.8 CDCA-I027: (output) Aggregated Interconnector Meter Flow Volumes

Interface Id: From: CDCA-I027 To: SAA-I004	User: SAA	Title: Aggregated Interconnector Meter Flow Volumes	ITT reference: CDCA SD 22, 23.1, A, B CDCA BPM 4.15, CP527
Mechanism: via shared database	Frequency: Daily	Volumes: Initially 96 (2 interconnectors * 48 readings). The number of interconnectors is expected to increase to 5 or 6.	
Interface Requirement:			
Aggregated meter flow volumes for the Interconnectors are sent to SAA, as follows for each Interconnector: Interconnector Identifier Settlement Date Settlement Period Estimate Indicator Date of aggregation Meter Volume CDCA Run Number Import/Export indicator (I/E) The Import/Export indicator indicates the direction of the energy flow: the Meter Volume is therefore unsigned.			
Physical Interface Details:			

9.9 CDCA-I028: (output) Aggregated BM Unit Meter Flow Volumes

Interface Id: From:CDCA-I028 To: SAA-I004	User: SAA	Title: Aggregated BM Unit Meter Flow Volumes	ITT reference: CDCA SD 22, 23.1, A, B CDCA BPM 4.9, CP527
Mechanism: via shared database	Frequency: Daily	Volumes:	
Interface Requirement:			
Aggregated meter flow volumes for the BM Units are sent to SAA, as follows for each BM Unit: BM Unit Identifier Settlement Date Settlement Period Estimate Indicator Date of aggregation Meter Volume CDCA Run Number Import/Export indicator (I/E) The Import/Export indicator indicates the direction of the energy flow: the Meter Volume is therefore unsigned.			
Physical Interface Details:			

9.10 CDCA-I034:Settlement Calendar

This interface is defined in Part One as SAA-I016.

9.11 CDCA-I035: (input) Site Visit Report on Aggregation Rule Compliance

Interface Id: CDCA-I035	User: CDCA Site Visit Agent	Title: Site Visit Report on Aggregation Rule Compliance	ITT reference: CDCA SD 22.4, CP756
Mechanism: Manual, by email, letter or fax	Frequency:	Volumes: Currently 12 GSP Groups in England & Wales	
Interface Requirement:			
A report from the site visit agent, after undertaking (where necessary) a site visit to verify the validity of the aggregation rules.			
Physical Interface Details:			

9.12 CDCA-I036: (output) GSP Group Take to SAA

Interface Id: From: CDCA-I036 To: SAA-I004	User: SAA	Title: GSP Group Take to SAA	ITT reference: CDCA SD 22, 23.1, A, B CDCA BPM 4.13, CP527
Mechanism: via shared database	Frequency: Daily	Volumes: Currently 12 GSP Groups in England & Wales	
Interface Requirement:			
CDCA provides aggregated meter flow volumes for the GSP Groups to SAA, as follows for each GSP Group: GSP Group Id Settlement Date Settlement Period Estimate Indicator Date of aggregation Meter Volume CDCA Run Number Import/Export indicator (I/E) The Import/Export indicator indicates the direction of the energy flow: the Meter Volume is therefore unsigned.			
Physical Interface Details:			

9.13 CDCA-I039: (output) Information to TAA

Interface Id: From: CDCA-I039 To: TAA-I005	User: TAA	Title: Information to TAA.	ITT reference: CDCA SD 11.6 BPM
Mechanism: Manual	Frequency: As required	Volumes: estimate 10 per day (0.2% of 5000)	
Interface Requirement:			
The CDCA carry out site inspections and liaise with the Technical Assurance Agent (TAA) as necessary.			
The CDCA sends the TAA the following Metering System details for all Metering Systems in the Sampled category.			
• Relevant BSC Party • Meter Operator Agent • Metering Equipment technical details • Applicable Code of Practice • GSP and/or GSP Group			
Physical Interface Details:			

9.14 CDCA-I050: (input) Data Exception Reports

This interface is defined in Part One as SAA-I017.

9.15 CRA-I010

This interface is redundant.

9.16 CRA-I013: (output, common) Issue Authentication Report

This interface is defined in Section 4.

9.17 CRA-I015: (output, common) BM Unit and Energy Account Registration Data

This interface is defined in Section 4.

9.18 CRA-I017 (output): Credit Assessment Capability

Requirement ID: From: CRA-I017 To: ECVAA-I001 To: SAA-I002	User: ECVAA, SAA	Title: Credit Assessment Capability	ITT reference: SAA SD: 2.7, A1 SAA BPM: 3.1, CRA 7.2.2
Mechanism: Via shared database with SAA and electronic data file transfer to ECVAA	Frequency: Monthly or Ad- hoc	Volumes:	
Interface Requirement: The CRA Service shall issue the Credit Assessment to the SAA and ECVAA Services from time to time. The report shall contain: <u>Credit Assessment Details</u> BM Unit ID BM Unit Credit Assessment Export Capability (BMCAEC) BM Unit Credit Assessment Import Capability (BMCAIC) Effective From Date Effective To Date			
Physical Interface Details:			

9.19 CRA-I019: (output) Registration Data

Interface Id: From: CRA-I019 To: CDCA-I002	User: CDCA	Title: Registration Data	ITT reference: CDCA SD: 4.6-4.14, A CDCA BPM 4.16, P100, P197
Mechanism: Via shared database	Frequency: Daily	Volumes: Low	

Interface Requirement:

Interface Requirement:

The CRA Service shall issue to the CDCA the registered meter data required by that system. This will contain:

Note: Certification /Accreditation refers to Qualification.

BSC Party Details
BSC Party Name
BSC Party ID

Party Role Details
BSC Party Type
Registration Effective From Date
Registration Effective To Date

Role Address Details
Address
Telephone No
Fax No
e-mail Address

Settlement Report Details
Report Type

Distribution Method

Authentication Details

Name
Password

Authorised Signatories

Name
Password
Contact Phone No
e-mail Address

Authorisation Levels

Activity
Effective From Date
Effective To Date

Interconnector Administrator Details

Interconnector Administrator Name
Interconnector Administrator ID
Interconnector ID
GSP Group ID (optional)
Registration Effective From Date
Registration Effective To Date

Contact Details

Name
Telephone No
Fax No
e-mail Address
Effective From Date
Effective To Date

Meter Operator Agent Details

Meter Operation Agent Name
Meter Operation Agent Identifier
Registration Effective From Date
Registration Effective To Date

Role Address Details

Address
Telephone No
Fax No
e-mail Address

Authorised Signatories

Name
Password
Contact Phone No
e-mail Address

Authorisation Levels

Activity
Effective From Date
Effective To Date

Certification/Accreditation Details

Certification/Accreditation Status

Metering System Registration Details

Metering System Identifier
BSC Party ID
Meter Operator Agent ID
Effective From Date

Effective To Date
<u>Boundary Point Details</u>
Boundary Point ID
Boundary Point Type
Effective From Date
Effective To Date
<u>BM Unit Registration Details</u>
BM Unit Name
BM Unit ID
BM Unit Type
NGC BM Unit Name
GSP Group ID
Trading Unit Name
Lead Party Identifier
Generation Capacity (MW)
Demand Capacity (MW)
Production / Consumption Flag
Exempt Export Flag
Base TU Flag
Transmission Loss Factor
FPN flag
Interconnector ID
Effective From Date
Effective To Date
<u>Interconnector Registration Details</u>
Name
Additional Details
Interconnector ID
Effective From Date
Effective To Date
<u>GSP Group Registration Details</u>
GSP Group Registrant (ie the responsible distribution business)
GSP Group ID
GSP Group Name
<u>GSP Details</u>
GSP ID
Effective From Date
Effective To Date
Physical Interface Details:

9.20 CRA-I022: (output) Metering System Details

Requirement ID: From: CRA-I022 To: TAA-I015	User: TAA	Title: Metering System Details	ITT reference: CRA SD 10.3
Mechanism: Manual	Frequency: On Request	Volumes: Low	
Interface Requirement:			
The CRA system shall issue a report on the metering systems attributed to a given Technical Assurance Agent. <u>Metering System Registration Data</u> <u>Metering System Details</u> Action Code Metering System Identifier BSC Party ID (registrant) Meter Operator Agent ID Effective From Date Effective To Date The first field of each record of the report is an Action Code, indicating whether the record has a) been added or changed; b) been deleted or c) not changed.			
Physical Interface Details: A physical definition is included in the spreadsheet to define the format of the report which is printed out and passed to TAA.			

9.21 CRA-I030: (input) Data Exception Reports

This interface is defined in Section 4 as ECVAA-I016 and SAA-I017, and in Part 1 of the Interface Definition and Design as BMRA-I010.

9.22 CRA-I045: (input) Withdrawing Party Authorisation and Notification Details

See ECVAA-I047 in this section.

9.23 CRA-I046: (input) Withdrawing Party Settlement Details

9.24 See SAA-I037 in this section. ECVAA-I001 (input): Registration Data

See CRA-I013 and CRA-I015 in section 4, CRA-I017 in this section

9.25 ECVAA-I011: Account Bilateral Contract Volume Report

Requirement ID:	User:	Title:	ITT reference:
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From: ECVAA-I011 To: SAA-I008	SAA	Account Bilateral Contract Volume Report	ECVAA SD: 8.5, A RETA ERR: 6 ECVAA BPM: 3.3, 4.21 RETA SCH: 4, B, 3.1, CP527
Mechanism: Electronic data file transfer	Frequency: Daily and in support of disputes	Volumes:	

Interface Requirement:

The ECVAA Service shall issue an Account Bilateral Contract Volume Report to the SAA once a day. At the end of each Settlement Day, the ECVAA shall report Account Bilateral Contract Volumes for that Settlement Day to the SAA.

The ECVAA Service shall issue a revised Account Bilateral Contract Volume Report to the SAA as required to support disputes.

Note: Revision of ECVAA data in support of disputes will not cause credit cover tests to be retrospectively applied.

The Account Bilateral Contract Volume Report shall include:

- BSC Party ID
- Production/Consumption flag
- ECVAA Run Number
- Settlement Date
- Settlement Period (1-50)
- Account Bilateral Contract Volume (MWh)

9.26 ECVAA-I012: MVRN Report

Requirement ID: From: ECVAA-I012 To: SAA-I008	User: SAA	Title: MVRN Report	ITT reference: ECVAA SD: 9.2, 9.4, A RETA ERR: 2 ECVAA BPM: 3.3, 4.19 RETA SCH: 4, B, 3.1, CP527
Mechanism: Electronic data file transfer	Frequency: Daily and in support of disputes	Volumes: Medium	

Interface Requirement:

The ECVAA Service shall issue a Metered Volume Reallocation Notification Report (initial and revised) to the SAA once a day. At the end of each Settlement Day, the ECVAA shall report valid Metered Volume Reallocation Notifications for that Settlement Day to the SAA.

The ECVAA Service shall issue a revised Metered Volume Reallocation Notification Report to the SAA as required to support disputes.

Note: Revision of ECVAA data in support of disputes will not cause credit cover tests to be retrospectively applied.

The Metered Volume Reallocation Notification Report shall comprise:

- BM Unit ID
- ECVAA Run Number
- Settlement Date
- Settlement Period (1-50)
- Lead Party Production/Consumption flag
- Subsidiary Party ID
- Subsidiary Party Energy Account Production/Consumption flag
- Metered Volume Fixed Reallocation (MWh)
- Metered Volume Percentage Reallocation (%)

9.27 ECVAA-I016: (output, common) ECVAA Data Exception Report

This interface is defined in Section 4.

9.28 ECVAA-I020: (input) Data Exception Reports

This interface is defined in Part One as SAA-I017.

9.29

ECVAA-I036: (output) Publish Credit Default Report

Requirement ID: From: ECVAA-I036 To: BMRA-I018	User: BMRA	Title: Publish Credit Default Report	ITT reference: CP703, Variation 45
Mechanism: Electronic Data File Transfer	Frequency: As required	Volumes: Low	
Interface Requirement: The ECVAA Service shall issue a Publish Credit Default Report to the BMRA as described in requirement ECVAA-F007. The Publish Credit Default Report shall comprise: <u>Credit Default Notice:</u> BSC Party ID Credit Default Level Entered Default Settlement Day Entered Default Settlement Period Cleared Default Settlement Day Cleared Default Settlement Period Cleared Default Reason Notes: 1. The Credit Default Level may be one of the following: Level 1 Default; Level 2 Default; 2. The Entered Settlement Day and Entered Settlement Period indicate when the BSC Party entered the reported default level. 3. The Cleared Settlement Day and Cleared Settlement Period indicate when the BSC Party cleared the reported default level. 4. The Cleared Default Reason indicates why the Party cleared default and may include one of the following Credit Cover Percentage <= 75% of Credit Limit (Level 1 Default) Credit Cover Percentage <= 90% of Credit Limit (Level 2 Default) Authorisation Withdrawn by BSCCo Ltd (Discretionary). Authorisation Withdrawn by BSCCo Ltd (Trading Dispute Upheld) Party Withdrawn from BSC			

9.30 ECVAA-I047: (output) Withdrawing Party Authorisation and Notification Details

Interface ID: ECVAA-I047	User: CRA	Title: Withdrawing Party Authorisation and Notification Details	ITT reference: CP974
Mechanism: Manual, by email or fax	Frequency: On request	Volumes: Low	
Interface Requirement: The ECVAA shall issue details of outstanding authorisations and notifications for a withdrawing participant, on request from the CRA. Report Date BSC Party / BSC Party Agent Name BSC Party / BSC Party Agent Id <u>Authorisation and Notification Details</u> Indication of outstanding ECVNA / MVRNA authorisations for the party / agent ¹ Date of last outstanding non-zero notifications for the party ² 1. This field is set to “Yes” if outstanding ECVNA / MVRNA authorisations are in place or “No” otherwise. An outstanding authorisation is one where the effective to date is null or equal to or greater than the report date. If outstanding authorisations are found the maximum effective to date is given. 2. The date of the last outstanding non-zero notification gives the last date for which there are outstanding non-zero ECVN / MVRN volumes relating to the party. For the avoidance of doubt, this check is done at the individual notification level (i.e. not after netting the notifications to give the overall contract position). Where the party has a notification in place with no effective to date, the date of the last outstanding non-zero notification is reported as “evergreen”.			
Physical Interface Details:			

9.31 ECVAA-I048 (input) Physical Notification Data

See BMRA-I007 in this section.

9.32 SAA-I013: (output) Credit/Debit

This interface is defined in Section 4.

9.33 SAA-I001 (input): Registration Data

See CRA-I013 and CRA-I015 in section 4.

9.34 SAA-I002 (input): Credit Assessment Capability

See CRA-I017 in this section

9.35 SAA-I003 (input) SAA Balancing Mechanism Data

See BMRA-I007 in this section.

9.36 SAA-I004: (input) Period Meter Data

See CDCA-I027, CDCA-I028 and CDCA-I036 in this section.

9.37 SAA-I008: MVRN Report

See ECVAA-I011 and ECVAA-I012 in this section.

9.38 SAA-I015

This interface is redundant.

9.39 SAA-I016: (output, part 1) Settlement Calendar

This interface is defined in Part 1 of the Interface Definition and Design.

9.40 SAA-I017: (output, common) SAA Data Exception Report

This interface is defined in Part 1 of the Interface Definition and Design.

9.41 SAA-I037: (output) Withdrawing Party Settlement Details

Interface ID: SAA-I037	User: CRA	Title: Withdrawing Party Settlement Details	ITT reference: CP974
Mechanism: Manual, via shared database	Frequency: On request	Volumes: Low	
Interface Requirement:			
The SAA shall issue settlement details for a withdrawing participant, on request from the CRA. Report Date BSC Party Name BSC Party Id <u>Settlement Details</u> Date of last non-zero metered volumes held in SAA The date of the last metered volumes held in SAA is the last settlement date for which the party has non-zero metered volumes registered against its Interconnector, Supplier or CDCA metered BM Units.			
Physical Interface Details:			

~~9.42~~ ~~TAA-I004: (output) Information from TAA~~

Requirement ID: From: TAA-I004 To: CDCA-I016	User: CDCA	Title: Request for Metering System details	ITT reference: TAA-SD-3.2.3
Mechanism: Manual	Frequency: Quarterly	Volumes: 1	
Interface Requirement:			
The TAA shall request from the CDCA the following details for each Metering Systems identified by the BSCCo Ltd as being in the Sampled category: This information shall be used by the TAA to ensure that a fair sample is selected, and to ensure that any selection guidance given by the BSCCo Ltd can be followed. • Relevant BSC Party • Meter Operator Agent • Metering Equipment technical details • Applicable Code of Practice • GSP and/or GSP Group			

~~9.43~~ ~~TAA-I005: (input) Information to TAA~~

~~See CDCA-I039 in this section.~~

~~9.44~~ ~~TAA-I015: (input) Metering System Details~~

~~See CRA-I022 in this section.~~

9.459.42 CRA-I036: (output) Notification Agent Termination Request

Interface Id: From: CRA-I036 To: ECVAA-I030	User: ECVAA	Title: Notification Agent Termination Request	ITT reference: CP503
Mechanism: Manual	Frequency: As required	Volumes: Low	
Interface Requirement:			
The CRA Service shall issue Notification Agent Termination Requests to ECVAA when CRA is in the process of terminating an MVRNA or ECVNA role.			
The Notification Agent Termination Request shall comprise:			
<u>Notification Agent Termination Request:</u>			
BSC Party Agent Id BSC Party Agent Role (MVRNA or ECVNA) Termination effective date			
Physical Interface Details:			

9.469.43 ECVAA-I031: (output) Notification Agent Termination Feedback

Interface Id: From: ECVA-1031 To: CRA-1037	User: CRA	Title: Notification Agent Termination Feedback	ITT reference: CP503
Mechanism: Manual	Frequency: As required	Volumes: Low	
Interface Requirement:			
The ECVA Service shall issue a Notification Agent Termination Feedback to CRA in response to a Notification Agent Termination Request.			
The Notification Agent Termination Feedback shall comprise:			
<u>Notification Agent Termination Feedback:</u>			
BSC Party Agent Id BSC Party Agent Role (MVRNA or ECVNA) Termination effective date Termination Status			
Notes:			
Termination status may indicate one of two situations:			
1. The notification agent has no outstanding notification authorisations beyond the termination effective date (and therefore CRA may terminate the role)			
2. The notification agent has some outstanding notification authorisations beyond the termination effective date (and therefore CRA may not terminate the role)			
Physical Interface Details:			

9.479.44 ECVAA-I033: (input) Credit/Debit Reports

See SAA-I013 in Section 4.

10 Interfaces From and To Transfer Coordinator

[NO CHANGE PROPOSED TO THIS SECTION]

11 CInterfaces From and To TLFA⁶

[NO CHANGE PROPOSED TO THIS SECTION]

⁶ This functionality was added for the Introduction of Zonal Transmission Losses on an Average Basis (P82), but will not be used.