ISG99/01

Meeting name	Imbalance Settlement Group
Date of meeting	28 April 2009
Paper title	Change Proposal Progression
Purpose of paper	For Decision
Synopsis	This paper provides: • 2 Change Proposals (CPs) for decision; • Details of a CP ELEXON intends to raise. We recommend that this is progressed as a Housekeeping Change; and • Details of the status of all Open Draft Change Proposals (DCPs) and Change Proposals (CPs).

1 Introduction

1.1 This paper provides details of 2 Change Proposals for you to consider and agree on their progression. ELEXON issued the CPs, and Parties/Party Agents impact assessed the changes via Change Proposal Circular (CPC) 00658. In light of these assessments ELEXON invites the ISG to decide whether to approve or reject the CPs.

1.2 This paper also provides details of a new CP that ELEXON intends to raise. We are asking the ISG to endorse this CP as a Housekeeping CP.

2 Summary of Change Proposals for progression

2.1 CP1275 v2.0 – Supplier Agents - Access to Meter Protocols

2.1.1 We drafted CP1275 v2.0 in February 2009. We raised CP1275 on behalf of the Advanced Metering Expert Group, who developed it as part of the Advanced Metering Operational Framework for Profile Classes 5 to 8. We issued it for impact assessment (via CPC00658) in March 2009.

2.1.2 We issued CP1275 v1.0 for Industry Impact Assessment via CPC00651. One respondent raised a comment that the proposed redlining only concerned access to outstation protocols. In order to achieve full interoperability, the Meter Operator Agent (MOA) will require access to configuration software as well. In response to this comment, we updated CP1275 to version 2.0 which includes revised redlining to cover MOA access to meter configuration software.

2.1.3 We received 11 consultation responses to CP1275 v2.0; of these 8 agreed, 1 disagreed and 2 were neutral. Of the responses received the majority believed that the solution delivered the intended outcome by addressing issues associated with interoperability.

2.1.4 The respondent who disagreed with the proposed solution was concerned that the process of obtaining the required information would not address interoperability issues, as Party Agents would still struggle to obtain protocols and Meter configuration software from the Meter manufacturer in a timely manner. After discussing the issue with the respondent we still believe that the solution proposed by CP1275 v2.0 is the most effective solution. More details of our discussion with the respondent are available in Appendix 1.

2.1.5 Our recommendation, based on majority support for this change and the anticipated benefit of reduced interoperability issues and hence increased efficiency, is to:

- **APPROVE** CP1275 v2.0 for implementation in the November 2009 Release.

2.2 CP1282 – Maintenance of Outstation Types as part of Compliance and Protocol Approval

2.2.1 ELEXON raised CP1282 in February 2009. We issued CP1282 for impact assessment (via CPC00658) in late February 2009.

2.2.2 CP1282 aims to allow Outstation information to be kept more up to date, to make it easier for participants to make use of new equipment. The solution proposes to remove the valid set of Outstation Types from the DTC (Data Transfer Catalogue), and instead establish them as part of the Compliance and Protocol Approval process documented in BSCP601.

2.2.3 We received 12 responses to the consultation; of these 6 agreed, 3 disagreed and 3 were neutral.

2.2.4 One respondent does not agree with this CP because they are concerned that by removing the Valid Set of the 'Outstation Type' from the DTC would mean there is no validation against Outstation Types. This means that 'invalid' three-character identifiers might be included within the D0268. ELEXON noted that CP1282 would only remove the DTC validation, but not the participants' validation. Therefore the DC and MOA can still retain validation on their systems to prevent them sending/receiving invalid codes.

2.2.5 Another respondent disagrees with the CP due to concerns that there would be no direct notification of any changes to industry. ELEXON noted the participant's suggestion to use the Change Proposal Circular (CPC) process to notify the industry of new identifiers. ELEXON agreed to highlight this option but has reservations that it may cause confusion to recipients, as the CPC Emails invite participants to comment on changes, not traditionally as a simple notification tool. Additionally the CPC batch is sent at regular times monthly, whereas approvals can be made at any time. ELEXON therefore recommends that Circulars are the most efficient way to notify participants of changes.

2.2.6 The proposed change will allow Outstation information to be kept more up to date; and make it easier for participant to make use of new equipment.

2.2.7 Based on these benefits and with majority industry support, we recommend that you:

- **APPROVE** CP1282 for implementation in the November 2009 Release.

2.3 Implementation Costs

	BSC Agent (Demand Led)	ELEXON Operational		Total		Impacts
	Cost	Man Days	Cost	Cost	Tolerance	
CP1275 v2.0	£0	2.5	£550	£550	10%	CoP10, BSCP601
CP1282	£0	1	£220	£220	10%	BSCP601

3 Request to classify a change to BSCP537 Appendix 1 as Housekeeping

3.1 Background

3.1.1 CP1272 'Use of Appointment and Termination Flows in Unmetered Supplies (UMS)' removed the requirement in BSCP520[1] for Suppliers to send the D0155[2] , D0148[3] and D0151[4] data flows to Unmetered Supplies Operator's (UMSOs). In addition CP1272 introduced a requirement within BSCP501[5] for Licensed Distribution Systems Operators (LDSOs) to inform UMSOs of any changes.

3.1.2 The Supplier Volume Allocation Group (SVG) approved CP1272 in March 2009 (SVG97/01) for inclusion in the June 2009 Release. Following the approval of CP1272, we have identified that the approved changes to BSCP520 and BSCP501 need to be reflected within BSCP537 Appendix 1: Self Assessment Document (SAD) to ensure consistency between the documents. This impact was missed during the impact assessment of CP1272.

3.2 BSCP537 changes and next steps

3.3 The changes to BSCP537 Appendix 1 are minor consistency changes, required to reflect the revisions to BSCP501 and BSCP520. On this basis, we are recommending the ISG agree that the BSCP537 changes are made via a Housekeeping Change. The CP form and proposed redlined changes to BSCP537 Appendix 1 are available in Attachments E and F to this paper.

3.4 Agreeing that this change is a housekeeping CP, would mean that we can progress this change for inclusion in the November 2009 Release, and Parties and Party Agents will not need to impact assess the change.

3.5 If you do agree that this is a Housekeeping Change, then we will highlight that this CP has been raised as a housekeeping CP to all participants that receive Impact Assessment requests via Change Proposal Circulars (CPCs). We would then bring the CP back to you next month for decision. We would also highlight any comments that we received from participants at the same time.

3.6 ELEXON will also present this housekeeping CP request to the Performance Assurance Board (PAB) and SVG, who share the responsibility for agreeing that it is housekeeping and approving changes to BSCP537 Appendix 1 with the ISG.

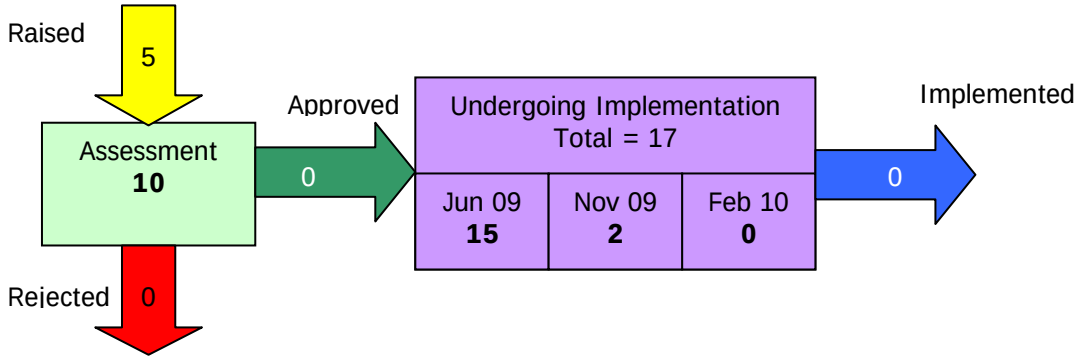
3.7 Therefore we invite the ISG to:

- **NOTE** ELEXON's intention to raise the attached CP;
- **AGREE** to classify the attached CP as a Housekeeping Change targeted at the November 2009 Release;
- **NOTE** the same request will also be provided to the PAB and SVG; and
- **NOTE** that, if you agree that this is a Housekeeping Change, we will present it to you for decision at the ISG meeting on 26 May 2009.

4 Summary of Open Change Proposals

4.1 There are currently **27** open CPs, ISG own **3** CPs, 8 CPs are co-owned by the ISG and SVG, and SVG own the remaining 16 CPs. 5 new CPs have been raised since the last ISG meeting. Details of the new CPs are provided in Appendix 3 on page 20.

[1] BSCP520 - Unmetered Suppliers Registered in SMRS
[2] D0155 – Notification of Meter Operator or Data Collector Appointment and Terms
[3] D0148 – Notification of Change to Other Parties
[4] D0151 – Termination of Appointment or Contract by Supplier
[5] BSCP501 - Supplier Meter Registration Service



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.

4.2 There are currently **no** open DCPs.

5 Summary of Recommendations

5.1 The ISG is invited to:

a) **APPROVE** CP1275 v2.0 and CP1282 for inclusion in the November 2009 Release;

b) **AGREE** to classify the attached CP as a Housekeeping Change; and

c) **NOTE** the status of all open Draft Change Proposals and Change Proposals.

David Barber

ELEXON Change Delivery
0207 380 4327

List of Appendices:
Appendix 1 – Detailed Analysis of CP1275 v2.0
Appendix 2 – Detailed Analysis of CP1282
Appendix 3 – New Draft Change Proposals and Change Proposals
Appendix 4 – Release Information

List of Attachments:
Attachment A – CP1275 v2.0 – CoP10 redlined
Attachment B – CP1275 v2.0 – BSCP601 redlined
Attachment C – CP1282 – BSCP601 redlined
Attachment D – CP1282 – CoP Compliance and Protocol Approvals v13.0
Attachment E – Housekeeping CP - Housekeeping changes to BSCP537 Appendix 1 – Qualification
Attachment F – Housekeeping CP - BSCP537 Appendix 1 redlined

Appendix 1 – Detailed Analysis of CP1275 v2.0 – Party Agents - Access to Meter Protocols

1 Why Change?

1.1 Background

1.2 We raised CP1275 v2.0 on 12 February 2009. We redrafted CP1275 v1.0 as v2.0 to incorporate suggestions received during the assessment of CP1275 v1.0 (Background to CP1275). The majority of responses to CP1275 v1.0 were in favour of the change as originally drafted; however, it was felt that by incorporating the suggested improvements we would further minimise interoperability issues and provide a more robust solution.

1.3 The Problem

1.4 With advanced metering, Suppliers' Party Agents will require access to Settlement Outstation protocols and Meter configuration software to read Settlement Outstations remotely (as in the current Half Hourly market). Currently, Settlement Outstation protocols are provided to Party Agents on a commercial basis.

1.5 The proposed modification to the Standard Conditions of the Electricity Supply Licence condition (which is currently being progressed by Ofgem) requires that all Non Domestic sites within Profile Classes 5 to 8 (PC5-8) sites are metered using advanced metering by 2014. We anticipate that there will be a variety of Outstation types being used, each with different protocols.

1.6 Suppliers will only be able to employ the services of their preferred Party Agents if the Party Agents are in possession of the relevant Outstation protocols and Meter configuration software.

2 Solution

2.1 **CP1275 v1.0** included a provision for Meter manufacturers to make their protocols available to BSC Parties via their Party Agents (subject to non-disclosure agreements). A respondent to the industry impact assessment (CP1275 v1.0 impact assessment responses) highlighted that Meter Configuration Software as well as the Meter protocols would need to be made available to the Meter Operator Agents (MOA). The respondent believed that in order to support true interoperability, the MOA will require access to configuration software. If the MOA does not have the opportunity to purchase/rent/licence the software, they will be unable to access the Meter either for retrieval or configuration. Therefore without mandating the obligation to provide software, interoperability will be compromised.

ELEXON agreed with these comments and we drafted **CP1275 v2.0** to include a section that will promote interoperability within the market by establishing a process that will allow the MOA to have access to the Meter configuration software in addition to the Meter protocols.

This change will impact **BSCP601** and **CoP10.** The proposed changes are available in Attachments A and B.

3 Intended Benefits

3.1 This change has been developed as part of the Advanced Metering Operational Framework: PC5-8. The purpose of the above framework is to facilitate effective market operation and interoperability for PC5-8.

3.2 This change will facilitate interoperability on a Change of Supplier where the new Supplier is in a position to employ the services of their preferred Party Agents as the Party Agents will be able to obtain access to the relevant Outstation protocols.

4 Industry Views

4.1 We issued CP1275 v2.0 for impact assessment in February 2009 (via CPC00658). We received 11 responses; of these 8 agreed, 1 disagreed and 2 were neutral. We didn't receive any comments on the redline text.

4.2 The majority of responses were in favour of the recommended changes. Respondents highlighted the following key benefits:

- this change will **facilitate interoperability** within the industry by ensuring that Party Agents have access to the relevant Meter protocols & software; and
- this change will ensure the **smooth operation of the Change of Supplier process**, particularly relating to Advanced Meters.

4.3 One respondent did not agree with the suggested changes. Their view was that Party Agents should be able to obtain Meter protocols and configuration software data directly from ELEXON. The respondent believed that the data should be provided to ELEXON as part of the compliance process and that ELEXON should maintain and/or store the data. The respondent believed that if Party Agents were able to by-pass the manufacturer when obtaining the Meter protocols and software, there would be fewer barriers to interoperability. The respondent believed that obtaining the relevant protocols and software from manufactures can take time and would lead to an inefficient process if the information was not provided in a timely manner.

4.4 We contacted the respondent in order to discuss their comments. We explained that this approach had been looked at previously; however, it was not deemed a viable option for the following reason:

- Under BSCP601, applicants (usually Meter manufacturers) currently enter into commercial arrangements with the compliance testing agent and submit a test report to ELEXON. ELEXON confirms that the Meter has passed all relevant tests and issues a certificate of compliance. MOA's and Half Hourly Data Collectors (HHDC's) then enter into specific commercial arrangements (with Meter manufacturers) to obtain the Meter's programming software and protocol respectively, on behalf of the Supplier/Registrant. ELEXON does not currently hold or request any protocol or programming software as part of this process. If this requirement was adopted, ELEXON's role would need to be amended in order to enforce these changes; this has not been viewed as a practical solution because the Meter's programming software and protocol form part of the manufacturer's intellectual property and as such are carefully guarded (in order to maintain a degree of competitive advantage). By providing their protocols and software to ELEXON, manufacturers will be forgoing this competitive advantage (as they would not be able to negotiate separate agreements with MOA's and HHDC's). This may lead to a reduction in competition.

4.5 Following our discussion the respondent continued to disagree with the proposed solution. We agreed to highlight their view within this report.

5 Impacts and Costs

Market Participant	Cost/Impact	Implementation time needed
ELEXON	2.5 man days equating to £550	November 09 Release suitable
Party Agents	Several MOAs and DCs highlighted that internal process changes would be needed.	30 to 180WDs (November 09 Release suitable)

6 Implementation Approach

6.1 We recommend that CP1275 v2.0 should be approved for the November 2009 Systems Release.

7 Conclusion

7.1 The majority of responses were in favour of the proposed changes. The respondent who disagreed with the proposed solution was not prepared to change their view. We have therefore included their comments within this report. After considering the comments received we still believe that the solution proposed in CP1275 v.2.0 is the most effective solution.

8 Recommendation

8.1 Our recommendation, based on majority support for this change and the anticipated benefit of reduced interoperability issues and hence increased efficiency, is to:

- **APPROVE** CP1275 v2.0 for implementation in the November 2009 Release.

CP1275 Lead Analyst: Stuart Holmes (0207 380 4135)

Table 1: Industry Impact Assessment Summary for CP1275 v2.0 - Party Agents - Access to Meter Protocols

IA History CPC number	CPC00658	Impacts	BSCP601 & CoP10

Organisation	Capacity in which Organisation operates in	Agree?	Days to Implement
United Utilities	NNH MOA/HH MOA	Yes	--
British Energy – NELC	Supplier	Yes	--
NPower Limited	Supplier, Supplier Agents	Yes	180
ScottishPower	Supplier, LDSO, HHDA, NHHDA, HHDC, NHHDC, HHMOA, NHHMOA	Yes	60
IMServ Europe	HHDC	Yes	--
TMA data Management Ltd	HHDC, HHDA, NHHDC, NHHDA	Yes	30
E.ON UK Energy Services Limited	NHH DC/ DA MOA	Yes	--
Scottish and Southern Energy	Supplier/Generator/ Trader / Party Agent / Distributor	Yes	0
EDF Energy	Supplier, NHH Agent and HH MOP	No	30
Independent Power Networks	LDSO, UMSO, SMRA	Neutral	--
Siemens Metering Services	Party Agent (NHHDA, NHHDC, NHHMO, HHDC, HHDA, HHMO).	Neutral	--

Table 2: Impact Assessment Responses[6]

Organisation	Agree?	Comments	Impacted?	ELEXON Response
British Energy – NELC	Yes	Agree with proposal as it facilitates inter-operability.	--	N/A
NPower Limited	Yes	**Capacity in which Organisation is impacted** – Meter Operators and Data Collectors **Impact on Organisation** - Process and System Impacts **Would implementation in the proposed Release have an adverse impact** - No	Yes	N/A
ScottishPower	Yes	**Comment -** As stated in our original response Scottish Power believes such a change is essential for the smooth operation of the Change of Supplier process where advanced metering is used. However	Yes	We agree with the respondent and, as mentioned in section 2, we have included their recommendation into CP1275 v2.0.

[6] Please note that we have only included responses in this table where the respondent provided additional information.

		it is also essential that the Outstation protocol information and proprietary metering configuration software is provided by the meter manufacturers. **Capacity in which Organisation is impacted** – Supplier, MOA, NHHDC, HHDC **Impact on Organisation** - Internal processes would need to be adapted		
IMServ Europe	Yes	**Capacity in which Organisation is impacted** – HHDC	No	N/A
TMA data Management Ltd	Yes	**Capacity in which Organisation is impacted** – HHDC **Impact on Organisation** – Process change **Adverse Impact -** No, Nov 09 implementation date is fine **Any other comments -** Will ELEXON maintain a contact list of the person(s) to contact in the Meter Manufacturer organisation to ensure that Party Agents can request access to Meter Protocol? It is particularly important in the case of new market entrants that do not have existing contacts.	Yes	We contacted the respondent in order to address their comments. We confirmed that if they needed to contact a Meter manufacturer we could assist them by either contacting the manufacturer on their behalf or we could attempt to put them in contact with them directly.
E.ON UK Energy Services Limited	Yes	**Capacity in which Organisation is impacted:** NHH DC MOA **Impact on Organisation** These changes are sufficient to allow E.ON UK Energy Services to operate within the mandated market both as a MOA & DC.	Yes	N/A
Scottish and Southern Energy	Yes	Minimal changes to processes	Yes	N/A
EDF Energy	No	**Comment:** We do not see that it is acceptable to place the onus on all parties to agree these details given that this data can be provided to ELEXON as part of compliance process. A process is required	Yes	We contacted the respondent, as mentioned in section 3, in order to address their comments. We explained that this approach had been looked at previously; however, it was not deemed a viable option because:

		where meter protocols are sent out as part of compliance and does not require all parties to agree separately with a manufacturer which is likely to lead to more work and costs for each party. A proactive approach is the only thing that we think should be considered and not one that could lead to problems if a compliance notification is missed by a party who then are appointed to a meter they are unaware of and cannot operate. Form F601/03 should be amended so that information is passed to ELEXON as part of compliance work and that a new process is introduced into BSCP 601 for ELEXON to notify relevant parties of those protocols. A process for dealing with any issues surrounding confidentiality can then be dealt with by the whole industry and not on a party by party basis which is inefficient. **Capacity in which Organisation is impacted** – Agents **Impact on Organisation** - Process		• Under BSCP601, applicants (usually Meter manufacturers) currently enter into commercial arrangements with the compliance testing agent and submit a test report to ELEXON. ELEXON confirms that the Meter has passed all relevant tests and issues a certificate of compliance. MOA's and Half Hourly Data Collectors (HHDC's) then enter into specific commercial arrangements (with Meter manufacturers) to obtain the Meter's programming software and protocol respectively, on behalf of the Supplier/Registrant. ELEXON does not currently hold or request any protocol or programming software as part of this process. If this requirement was adopted, ELEXON's role would need to be amended in order to enforce these changes; this has not been viewed as a practical solution because the Meter's programming software and protocol form part of the manufacturer's intellectual property and as such are carefully guarded (in order to maintain a degree of competitive advantage). By providing their protocols and software to ELEXON, manufacturers will be forgoing on this competitive advantage (as they would not be able to negotiate separate agreements with MOA's and HHDC's). This could lead to a reduction in competition.

Table 3: Comments on the redline text

We did not receive any comments on the redline text.

Appendix 2 – Detailed Analysis of CP1282 – Maintenance of Outstation Types as part of Compliance and Protocol Approval

1 Why Change?

1.1 Background

1.2 ELEXON raised CP1282 in February 2009.

1.3 'Outstation Type' is a data item contained within the D0268 Half Hourly (HH) Meter Technical Details (MTD) flow. HH Meter Operators (MOs) and HH Data Collectors (DCs) use it to specify and determine which protocols must be used in order to dial into a particular Outstation The MRA Data Transfer Catalogue (DTC) defines it as a three-character identifier, along with a Valid Set of available codes.

1.4 The Problem

1.5 'Outstation Type' acts as references to specific Outstation makes and models, as in practice most metering communication protocols are manufacturer-specific. This means that if and when a new piece of equipment enters the market, it may not be properly represented by the Valid Set and so the HHDC may not be able to tell which protocol should be used, preventing them from dialling in to the Outstation.

1.6 At present, altering the Valid Set requires a formal change to the DTC, yet new equipment may be introduced at any time, outside the DTC release timescales. The result is that the Valid Set will often be out of date, and participants will frequently have to resort to manual workarounds in order to transfer the necessary information.

2 Solution

2.1 CP1282 would remove the Valid Set of Outstation Types from the DTC and establish them as part of the Compliance and Protocol Approval process documented in BSCP601. Once an Outstation has passed protocol testing, an agreed Outstation Type would be established and included in a revised Approval List published on the BSC Website. HHMOs and HHDCs will be able to use this information to configure their communication systems appropriately, so that they can receive the new codes via the D0268 flow .The draft redlining for BSCP601 is available in Attachment C.

2.2 All existing Outstation Types would remain valid and would be transferred to the relevant entries in the Approval List. Attachment D provides an example, based on an extract from the current list, with additional columns to show the Equipment Type (i.e. Meter or Outstation) and Outstation Type.

3 Intended Benefits

3.1 The current arrangements prevent new equipment from being used properly in the market. CP1282 would allow Outstation information to be kept more up to date and in so doing will make it easier for participants to make use of new equipment.

4 Industry Views

4.1 We issued CP1282 for impact assessment in February 2009 (via CPC00658). We received 12 responses; of these 6 agreed, 3 disagreed and 3 were neutral.

4.2 Those participants who supported CP1282 did so mainly because they are concerned about the validation of the codes and do not believe the current notification methods allow for new approvals to be added in a timely manner. Details of industry views can be found in section 4.3-4.5. We did not receive any comments on the redlining text.

4.3 Validation issue

4.3.1 One respondent wondered if the format of the 'Outstation Type' would be removed and argued that this will enable invalid three-character identifiers to be included in D0268, since currently the DTN can only run a *physical* validation process (i.e. can only reject an identifier that contains characters not equal to three or an identifier that contains a number).

4.3.2 The respondent also suggested that the CP does not recognise that the following process could occur. A Meter Operator could issue a D0268 which includes an Outstation Type identifier that is still awaiting inclusion in the DTC. This will be invalid, therefore once the DTC changes have taken effect, the MOA can re-send the D0268 so that it can be successfully validated and systems can be updated with the data.

4.3.3 ELEXON responded to the comments above as follows:

- We are not removing the format of the 'Outstation Type' from the DTC, but replacing the location of the 'Valid Set'. DCs/MOAs and Suppliers will update their lists using an ELEXON spreadsheet;
- With the CP1282 solution, although there is no DTC validation, participants can still have their own validation on their systems to prevent them sending/receiving invalid codes and thus would not cause major impact to metering outstation types; and
- The suggested solution from the respondent (pending the usage of the approved Outstation Type till next DTC release) does not effectively resolve the issue CP1282 tries to address. ELEXON does not agree with this suggestion because if a protocol was approved but it missed a DTC release, according to the suggestion, it could not be validated by the DTC until the next DTC release which might cause several months of delay. ELEXON believe that participants should be allowed to use the protocol once it has been approved.

4.3.4 ELEXON understands that Electralink (providers of the DTN) are seeking to implement new validation processes this year, which could resolve some of the validation issues. However, under the current arrangements, once the Outstation has passed protocol testing, an agreed Outstation Type would be established and if the Valid Set is removed, DC or MOA and Suppliers will need to manually update the new list according to the ELEXON's spreadsheet.

4.3.5 The respondent still disagrees with this CP and would prefer to see the latest Valid Set in the DTC release to have assurance on the visibility of new approvals.

4.4 Dummy Codes

4.4.1 One respondent does not believe it is necessary to remove the Outstation Types from the DTC, instead, they suggest using the dummy codes that currently exist in the DTC. They believe that the codes are manufacturer specific, and can be used to accommodate any new Outstation Type

prior to the implementation in the DTC of any new codes. By using the dummy codes that are already available would be more beneficial than deleting the valid list, due to the infrequent creation of new Outstation Types.

4.4.2 ELEXON does not agree with this comment and explained to the respondent that the intention of CP1282 is to avoid the 6-month gap between a new Protocol being approved and being updated in the list. The reason why it is not appropriate to use dummy codes is because currently there are two meters with the same dummy code (CWE pro-meter). Unless a DTC change is raised to address this issue, dummy codes will not address this aspect of the problem.

4.4.3 ELEXON also noted that the frequency of new Outstation Types created has increased from three times a year to once a month. This trend highlights the necessity of CP1282.

4.5 **Notification**

4.5.1 One respondent expressed that they would only support this change if there is a mechanism of notifying all Parties when new details are agreed. ELEXON explained that once an Outstation has passed protocol testing, an Outstation and a code would be established and included in a revised Approval List published on the BSC website. To highlight that we have updated the list, Circulars will be issued to interested parties. The respondent still considered the notification is not direct enough and suggested the Change Proposal Circular (CPC) to be the most efficient way to notify the industry.

4.5.2 ELEXON feel that using CPC to notify industry of approval protocol is feasible, but notes that it may cause confusion to the recipients as to whether they are being notified of new approved protocols or they are supposed to provide comments on the information. ELEXON still recommend Circulars are the best way to inform participants of new identifiers.

5 Impacts and Costs

Market Participant	Cost / Impact	Implementation time needed
ELEXON (Implementation)	It will take ELEXON approximately 1 Working Day, to implement these changes, which is equivalent to approximately £220.	November 2009 Release suitable
HHMOP	HHMOPs indicated a range of impacts, including system, process and configuration changes.	30WDs (November 2009 suitable)
HHDC	HHDC will be impacted and potential changes will be required to configuration.	30WDs (November 2009 suitable)
Supplier, Supplier Agents	Optional enhancement to take advantage of identification of new meter types.	30-180 WDs (November 2009 suitable)
MOA	The process for the agreement of outstation type will have little impact on our activities.	30WDs (November 2009 suitable)

6 Implementation Approach

6.1 We recommend CP1282 is implemented on the next available Release - November 2009. All respondents agree that they can implement this change by November 2009.

7 Conclusion

Pros	Cons
▪ CP1282 is considered to be a logical approach, which will be more effective that a Valid Set maintained with the DTC. ▪ The current arrangements prevent new equipment from being used properly in the market. The proposed approach will enable Outstation information to be kept more up to date and in so doing will make it easier for participants.	▪ If the Valid Set of Outstation Types is removed from the DTC, this means that there is no DTC validation against Outstation Types. ▪ DC, MOA and Suppliers would be required to check and update Valid Set from website.

8 Recommendation

8.1 We recommend, based on the benefits of CP1282 (enabling Outstation information to be updated more quickly) and with majority industry support, that you:

- **APPROVE** CP1282 for implementation in the November 2009 Release

CP1282 Lead Analyst: Bu-Ke Qian (0207 380 4146)

IA Summary of CP1282 – Maintenance of Outstation Types as part of Compliance and Protocol Approval

Table 1: Industry Impact Assessment Summary for CP1282 – Maintenance of Outstation Types as part of Compliance and protocol approval

IA History CPC number	CPC00658	Impacts	BSCP601

Organisation	Capacity in which Organisation operates in	Agree?	Days to Implement
NPower Limited	Supplier, Supplier Agents	Yes	180
IMServ Europe	HHDC	Yes	30
Association of Meter Operators	Trade Association for Meter Operators	Yes	--
TMA data Management Ltd	HHDC, HHDA, NHHDC, NHHDA	Yes	30
Scottish and Southern Energy	Supplier/Generator/ Trader / Party Agent / Distributor	Yes	0
Stark Software International	HHDC/HHDA	Yes	--
British Energy – NELC	Supplier	No	--
EDF Energy	Supplier, NHH Agent and HH MOP	No	30
ScottishPower	Supplier, LDSO, HHDA, NHHDA, HHDC, NHHDC, HHMOA, NHHMOA	No	--
Independent Power Networks	LDSO, UMSO, SMRA	Neutral	--
Siemens Metering Services	Party Agent (NHHDA, NHHDC, NHHMO, HHDC, HHDA, HHMO).	Neutral	--
E.ON UK Energy Services Limited	NHH DC/ DA MOA	Neutral	--

Table 2: Impact Assessment Responses[7]

Organisation	Agree?	Comments	Impacted?	ELEXON Response
NPower Limited	Yes	**Comment** - When will we receive the associated DTC CP New Process for Managing Changes to Outstation Type Valid Set? **Capacity in which Organisation is impacted** – HHMOA and NHHDC **Impact on Organisation** – System Impacts and New Processes Required **Would implementation in the proposed Release have an adverse impact** - No	Yes	We have sent the Draft DTC CP to the respondent as requested.

[7] Please note that we have only included responses in this table where the respondent provided additional information.

IMServ Europe	Yes	**Capacity in which Organisation is impacted** – HHDC, MOA **Impact on Organisation** – Potential Changes to Configuration.	--	**--**
Association of Meter Operators	Yes	**Comment -** A logical approach, which will be more effective that a Valid Set maintained within the DTC. A corresponding DTC change will be required to delete the current set, and cross refer to ELEXON website.	--	Noted
TMA data Management Ltd	Yes	**Capacity in which Organisation is impacted** – HHDC **Impact on Organisation**– Processes **Adverse Impact -** No, Nov 09 implementation date is fine	Yes	**--**
Stark Software International	Yes	**Capacity in which Organisation is impacted:** HHDC **Impact on: Optional enhancement to take advantage of identification of new meter types** **Comments:** Optional costs only **Would implementation in the proposed Release have an adverse impact:** No	--	**--**
British Energy – NELC	No	British Energy disagree with the content of the change proposal for a number of significant reasons, The purpose of the DTC is to ensure that all market participants are compliant. Rather than removing the 'Outstation Type' (a mandatory field) form the DTC it would make sense (wherever possible) to align the approval process of new metering equipment with the closest future DTC release to ensure that all new Outstation Types are validated as swiftly as possible. The wording of the Proposed Solution is unclear as to the exact solution that is being suggested. If we interpret "The Valid Set of Outstation Types should be removed from the DTC" as meaning the "official" Valid	--	To clarify, we are not removing the 'Outstation Type' from the DTC, but deleting a Valid Set to enable participants using the updated codes by asking DC/MOA and Suppliers to update the list using an ELEXON spreadsheet. With the CP1282 solution, although there is no DTC validation, participants can still have their own validation on their systems to prevent them sending/receiving invalid codes and thus would not cause major impact to metering outstation types. The suggested solution from the respondent

		Set is held only in the Compliance and Protocol Approval process within BSCP601, it enables any three-character identifier to be included within the D0268. The current "As Is" process of validation within the DTC is there to prevent invalid information entering Supplier and Agent systems: by removing any validation processes, would potentially enable inaccurate information to be distributed, Industry-wide. Likewise, if we interpret "The Valid Set of Outstation Types should be removed from the DTC" as meaning that there is no validation against ANY Outstation Types, there would also be major impacts on assured cleanliness of data not just for new metering/ outstation types but for the existing ones as well. If we are to assume that the Meter Operator sends a D0268 which includes a then- [DTC] non-compliant Outstation Type, (i.e. for the period between the metering approval and the next DTC release) the Proposal should clearly state the necessary process that is required to take place upon the pending DTC release, i.e.: - Once the next DTC release has passed, the Meter Operator must re-send the D0268 complete with the approved Outstation Type, so that it can be successfully validated by the DTC.		(pending the usage of the approved Outstation Type till next DTC release) does not effectively resolve the issue CP1282 tries to address. ELEXON does not agree with this suggestion because if a protocol was approved but it missed a DTC release, according to the suggestion, it could not be validated by the DTC until the next DTC release which might cause several moths of delay. ELEXON believe that participants should be allowed to use the protocol once it has been approved. The respondent still feel they prefer to see the latest Valid Set being updated in alignment with the DTC release to have assurance on the visibility of new approvals.
EDF Energy	No	We would only agree this change if an agreed mechanism of notifying all parties is agreed when new details are agreed. We do not believe current methods are robust enough to deal with this information and place reliance on MOPs to look for changes on a regular basis. This is not acceptable and a direct notification of such changes must be put in place for this data. **Capacity in which Organisation is impacted** – HH MOP **Impact on Organisation** – Process	Yes	ELEXON explained that once an Outstation has passed protocol testing, an agreed Outstation would be established and included in a revised Approval List published on the BSC website. In the meantime, Circulars will be circulated to the interested parties. The respondent still considered the notification is not direct enough and suggest CPC to be the appropriate way to notify the industry. ELEXON agreed with respondent's comment

		Comments - However, without a notification method most of effort will be on-going work to check and update Valid Set from website.		that without a notification method, most of effort will be ongoing, and confirmed that we would publish the Approval List on website so that the DC or MOA can update their list. ELEXON believe it is feasible to notify the industry once a protocol is approved by using Change Proposal Circulars. However ELEXON note it may cause confusion to the recipients as to whether they are being notified of new approved protocols or they are supposed to provide comments on the protocols. ELEXON still recommend that Circulars will be the best way to inform participants of new identifiers.
ScottishPower	No	**Comment -** Scottish Power does not believe that it is necessary to remove the Outstation Types from the DTC. At present the DTC holds a number dummy codes, some which are manufacturer specific, that can be used to accommodate any new Outstation Type prior to the implementation in the DTC of any new codes. In addition it is felt due to the infrequent creation of new Outstation Types this change is unnecessary. Further to this, in order to remove the existing Outstation Types from the DTC will also require a formal change request.	Yes	ELEXON explained that, while the Dummy codes may help D0268 acceptance, they would not help the automated loading of protocols. The respondent still do not support this CP, they believe that at present DTC holds a number of dummy codes that can be used as an interim solution between the insertion of the protocol and update of the list and most of the manufactures have the dummy codes and they observed that such changes rarely happened in the past. ELEXON does not agree with this comment and explained to the respondent that the intention of CP1282 is to avoid the 6-month gap between a new Protocol being approved and being updated in the list. The reason why it is not appropriate to use dummy codes is because currently there are two meters with the same dummy code (CWE pro-meter). So unless someone raises a DTC CP to address this issue, dummy codes will not address this aspect of the problem.

				ELEXON also notes that the frequency of new Outstation Types created has increased from three times a year to once a month. This trend highlights the necessity of CP1282.
E.ON UK Energy Services Limited	Neutral	**Capacity in which Organisation is impacted:** MOA **Impact on Organisation:** The process for the agreement of outstation type will have little impact on our activities.		--

We didn't receive any comments on the redline text for CP1282.

Appendix 3 – New Draft Change Proposals and Change Proposals

New Draft Change Proposals

There are no new Draft Change Proposals this month.

New Change Proposals

CP	CVA/SVA	Title	Description	Raised
1283	CVA	Revisions to data correction processes in BSCP18	ELEXON raised CP1283, which recommends changes to the data correction processes in BSCP18. These changes were identified as part of an operational review undertaken by ELEXON on the behalf of the ISG. The key changes to BSCP18 are: • stating a specific time period for Parties to respond on receipt of amended Bid Offer Acceptances from the Transmission Company; and • the basic principles of the BSCP18 process covers changes made prior to the SF run with the consent of the Transmission Company and Lead Party. It was agreed that ELEXON's role should be removed from the process.	03/04/09
1284	SVA and CVA	Ability for Third Parties to raise Change Proposals and replacement of energywatch with National Consumer Council.	ELEXON raised CP1284 to make amendments to BSCP40 'Change Management' concerning: • the ability for Parties designated by the Authority to raise Change Proposals (CPs) to be consistent with Section F2.1.1 of the BSC; • replacement of references to energywatch with National Consumer Council, in order to be consistent with the code following the Authority Direction that replaced energywatch; and • other minor housekeeping changes. The CP is also recommending the removal of references to energywatch from the PrA and Teleswitch Agent Service Descriptions.	03/04/09
1285	SVG	Unmetered Supplies: Clarification of Central Management System Requirements	ELEXON raised CP1285 to improve clarity around Central Management System (CMS) requirements in BSCP520: The four issues for clarification are that: • the maximum file lines permitted in control files are insufficient to record expected	03/04/09

CP	CVA/SVA	Title	Description	Raised
			amount of information and should be increased; • the CMS Unit Reference for control devices requires clarification to help users meet the BSCP's required 12-digit structure; • the CMS Unit Reference for non-control devices requires clarification to prevent confusion with file naming conventions; and • the definition of information flag. ELEXON has developed CP1285 in collaboration with UMSOs, MAs and CMS manufacturers who are involved in the CMS process.	
1286	CVA	BSCP18 Operational Review: Additional flag in Transmission Company's BOAL file to indicate an amended Bid-Offer Acceptance	ELEXON raised CP1286 to introduce a process to automate Bid-Offer Acceptance Level (BOAL) data corrections. Currently the BSC Systems will reject any automatically sent BOAL data corrections. Therefore BOAL data corrections are entered manually. This is time consuming and introduces the risk of human error. A new field, the 'Amended Acceptance Flag', which identifies a BOAL data correction, would be added to the BOAL file. The BSC Systems would be amended so that they automatically accepted a BOAL data correction if the Amended Acceptance Flag was set to 'True'. The change would: • increase the efficiency of the process for ELEXON and the BSC Agent; and • increase the transparency of the process to BSC Parties as data would be available on the BMRS (including TIBCO) earlier than it appears in the SAA Settlement Reports.	03/04/09
1287	SVG	Correction of inconsistencies in BSCP536 'Supplier Charges'	ELEXON raised CP1287 to recommend changes to BSCP536 'Supplier Charges' to correct a number of inconsistencies as follows: • the BSCP536/03 form to correctly use 'Total GSP Group Take' and include 'Sum of Supplier Cap Take'; • other minor inconsistencies in the rest of BSCP536;and • section 4.11 to remove details of the P99 run off period which are no longer needed.	03/04/09

Appendix 4 – 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			
		June 2009 Scope (Imp. Date 25 Jun 09)	**November 2009 Scope (Imp. Date 05 Nov 09)**	**February 2010 Scope (Imp. Date 25 Feb 10)**	**Standalone Releases**
Change Proposals	**Pending**		1267, 1275, 1278, 1281, 1282, 1283, 1284, 1285, 1286, 1287	Currently there are no CPs targeted at this Release.	P216 Alt✓ (Imp. Date 20 Apr 09)
	Approved	1249 v2.0, 1256, 1257, 1259, 1264, 1265, 1266, 1268, 1270, 1271, 1272, 1273, 1274, 1277, 1279	1248 v2.0, 1269,		
Modifications	**Pending**			Currently there are no Modifications targeted at this Release.	
	Approved	P215 Alt✓, P226 Pro✓, P222 Alt×	P217 Alt✓, P223 Alt✓		
Updates		The June 2009 Release is progressing to time and quality. 10 Change Proposals and Modification P226 (which impacts BMRS) have been added to the Release and an exception plan has been produced for the updated scope. The documentation changes for P215 have now been finalised whilst the documentation for P226 is currently being developed and reviewed.	The November 2009 Release is currently progressing to time and quality. Two additional Change Proposals have been approved for inclusion in the scope of the Release which impact MDD and PARMS software. An exception plan will be produced detailing the revised scope. The scope also includes P217 and P223. All changes for the November 09 Release will be implemented on 5 November 2009 with the exception of P223 which has an implementation date of 1 December 2009.		The P216 Release is currently progressing to time and quality. The new BSCP128 has been authorised by the Panel and all other amended Code Subsidiary Documents have been approved by the ISG or the SVG. The P216 implementation date is 20 April 2009.

Final 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
CP1265	Technical Assurance Documentation Changes Following Review	SVA and CVA TAA Service Descriptions, CVA Data Catalogue, CVA Data Catalogue Annex A, BSCP27, BSCP535, NETA IDD Part 1 and Part 2	£870	4.5	£990	£1,860
CP1266	Updates and Refinements to BSCP504	BSCP504	£0	1.5	£330	£330
CP1268	Publication of new Funds Administration Agent (FAA) Service Description	FAA Service Description	£0	1	£220	£220
CP1270	Improvements to the MDD Process	BSCP509, BSCP509 Appendix	£0	3.5	£770	£770
CP1271	Align Market Domain Data (MDD) Approval Timetable to SVG Meetings	BSCP509	£0	10	£2,200	£2,200
CP1272	Use of Appointment and Termination Flows in Unmetered Supplies (UMS)	BSCP501, BSCP520	£0	3	£660	£660
CP1273	Changes to the scope of CoP10 to cover current transformer operated Meters	CoP10, BSCP601	£0	4	£880	£880
CP1274	Transfer of Meter Technical Details	BSCP504, BSCP514	£0	2	£440	£660
CP1277	Change to UMS Charge code Approval Process	BSCP520	£0	6	£1,320	£1,320
CP1279	Housekeeping Change to BSCP515 – Licensed Distribution	BSCP515	£0	0	£0	£0
		Total[8]	**£870**	**48.5**	**£10,670**	**£11,540**

Draft CP Scope of the November 2009 Release

[8] A Tolerance of 20% applies for both Demand Led costs and ELEXON Operational Costs

CP	Title	Impacts	Demand Led Cost	ELEXON Operational		Total
				Man Days	Cost	
CP1248 v2.0	Early release of Meter Technical Details by the Non Half Hourly Meter Operator Agent	BSCP514, BSCP533 Appendix A and BSCP533 Appendix B	£4,200	3	£700	£4,900
CP1269	Publication of Additional Non Half Hourly Combination Data in Market Domain Data	BSCP509, BSCP509 Appendix, SVA Data Catalogue Vol. 1 and Vol. 2	£73,775	57	£12,540	£86,315
		Total[9]	**£77,975**	**60**	**£13,240**	**£91,215**

[9] A Tolerance of 20% applies for both Demand Led costs and ELEXON Operational Costs

CP1275 v2.0 - REDLINE CHANGES TO COP10 ISSUE 1 V1.0 SECTION 1 – SEE BELOW:

1. SCOPE

This Code of Practice states the practices that shall be employed, and the facilities that shall be provided for the measurement and recording of the quantities required for Settlement purposes.

Additional features may be incorporated within or associated with the Metering Equipment provided but these must not interfere with or put at risk the operation of the Settlement process.

This Code of Practice specifically applies to whole current metering of energy via low voltage circuits for Settlement purposes. Metering Equipment compliant with this Code of Practice can be traded either elective Half Hourly (Measurement Class E) or Non-Half Hourly.

It derives force from the Code, and in particular the metering provisions (Section L), to which reference should be made. It should also be read in conjunction with the relevant BSC Procedures.

Outstations shall, as a minimum, be capable of interrogation by the Settlement instation. In addition, Outstations may deliver metering data to the Settlement instation providing that the requirements of this Code of Practice are met.

This Code of Practice does not contain the calibration, testing and commissioning requirements for Metering Equipment used for Settlement purposes. These requirements are detailed in Code of Practice Four - "Code of Practice for Calibration, Testing and Commissioning Requirements for Metering Equipment for Settlement Purposes".

Meters and Outstations referred to in this Code of Practice shall only achieve successful compliance in respect of any testing detailed in this Code of Practice if the requirements set out in accordance with BSCP601 are also observed and successfully completed or the Registrant has been granted a valid Metering Dispensation covering any departure from the requirements as detailed in this Code of Practice.

Dispensations from the requirements of this Code of Practice may be sought in accordance with the Code and BSC Procedure BSCP32 ‘Metering Dispensations’.

Generic Metering Dispensations applicable to this Code of Practice are located on the BSCCo website (ELEXON Website).

In the event of an inconsistency between the provisions of this Code of Practice and the Code, the provisions of the Code shall prevail.

SECTION 2 - END OF DOCUMENT WILL NOT BE IMPACTED BY CP1275.

CP1275 v2.0 - REDLINE CHANGES TO BSCP601 V10.1 CONFORMED SECTION 1 – SEE BELOW:

1. Introduction

1.1 Scope and Purpose of the Procedure

This BSC Procedure defines the processes for Meter Manufacturers, Meter Operator Agents, Suppliers, Half Hourly Data Collectors and other Half Hourly Metering Equipment users to apply for Compliance Testing and Protocol Approval. This procedure covers the application process, submission of Metering Equipment, communications with the Compliance and Protocol Testing Agents, the issue and removal of certificates. For the avoidance of doubt, this procedure applies only to Half Hourly Metering Equipment.

Protocol Approval

This process is defined to:

a) Approve a Protocol for Settlement purposes; and

b) ensure that a qualified Half Hour Data Collector is capable of appropriate communications with Metering Equipment.

Metering Equipment Compliance

This process is defined to ensure that Metering Equipment is designed and manufactured to the requirements of the relevant Code/s of Practice. Each Compliance Approval is specific to that Metering Equipment tested including type reference and any firmware and software versions. Metering Equipment firmware and software updates not affecting Compliance need not be re-approved. Notification of any such change is to be provided to BSCCo.

When applying for Compliance Approval in respect of Metering Equipment, the Meter Manufacturer will undertake to provide relevant Settlement Outstation Protocols to BSC Parties (via their Party Agents) upon request. The Meter Manufacturer will also undertake to make available to Meter Operator Agents, upon request, the Meter Manufacturer's software that will enable the Meter Operator Agent to re-configure the relevant Meters and/or Outstations (the "Configuration Software"). The Meter Manufacturer may require the disclosure of Settlement Outstation Protocols to be subject to a confidentiality agreement[1].

[1] Confidentiality agreements shall not prohibit Party Agents from fulfilling their BSC obligations.

1.2 Main Users of Procedure and their Responsibilities

The main users are Meter Manufacturers, Half Hourly Data Collectors, Meter Operator Agents, Compliance and Protocol Testing Agents and BSCCo.

- The Applicant is responsible for submitting applications for the testing of Metering Equipment, arranging for testing to be conducted and any costs associated with testing.

- The Applicant is responsible for submitting notification of any amendment to Metering Equipment or Data Retrieval system for an existing Approval.

- The Compliance and Protocol Testing Agents are responsible for receiving Metering Equipment, undertaking the testing of that Metering Equipment and providing a written report to BSCCo of the findings of such tests.

- The Meter Manufacturer is responsible for ensuring that BSC Parties have access to the relevant Settlement Outstation Protocols.

- Where ~~applicable~~requested, the Meter Manufacturer is responsible for ensuring that the Meter Operator Agent has access to the Meter Manufacturer's Configuration ~~s~~Software.

- BSCCo is responsible for the selection of suitably accredited Compliance and Protocol Testing Agents, the scheduling of tests and the determination of successful tests together with the issue of certificates.

- Half Hour Data Collector Agents are required to ensure that approval is obtained for each type of Metering Equipment that it collects data for Settlement purposes.

SECTION 2 - 3.1.1 WILL NOT BE IMPACTED BY CP1275.

CP1275 - REDLINE CHANGES TO BSCP601 V10.1 SECTION 3.1.3 – SEE BELOW:

3.1.3 Form F601/03 – Protocol Approval and Compliance Testing

F601/03

PROTOCOL APPROVAL AND COMPLIANCE TESTING APPLICATION FORM (PART 1)

Ref. No[2]……..

I wish to apply for Protocol Approval of the Products identified in Section **B** below: ☐ tick as appropriate

I wish to apply for Compliance Testing of the Products identified in Section **C** below: ☐ tick as appropriate

Section A: DETAILS OF APPLICANT

Company Name: ……

Address: ……..….

……..…….

Participant Role: ……(e.g. Meter Manufacturer)

Contact Name: …….

Contact Tel. No: ……...……..

Fax. No: ……..……...

E-mail: ……..……...

Signature: ……

Date of Application: …….

[2] Reference No. obtainable from ELEXON Limited

Section B: REQUEST FOR PROTOCOL APPROVAL

Please enter the details of the Metering Equipment type(s) and Data Collector(s) to be Protocol Approved.

Data Collector	Metering Equipment
……	……
……	……
……	……
……	……
……	……
……	……
……	……

Note:
For Data Collectors seeking Protocol Approval, enter one entry in the left hand column and the Metering Equipment type/s to be tested in the right hand column.

For Manufacturers seeking Protocol Approval, enter the Metering Equipment type in the right hand column and the Data Collector/s to conduct the testing in the left hand column.

Section C: REQUEST FOR COMPLIANCE TESTING

Metering Equipment Description

Manufacturer	**Type**	**Serial No.**	**OFGEM TYPE APPROVAL STATUS**		
			APPROVED	**IN PROGRESS**	**NONE**
1					
2					
3					

I agree to provide Settlement Outstation Protocols and ~~configuration~~ Configuration ~~software~~ Software to relevant Party Agents on request: ☐ tick as appropriate

Applicable Codes of Practice for Metering Equipment Testing

Code of Practice *	**Issue**		**Code of Practice** *	**Issue**	
ONE TWO THREE			FIVE SIX SEVEN [CP1261]TEN		

* Delete Codes of Practice not applicable.

SECTION'S 3.2 – END OF DOCUMENT WILL NOT BE IMPACTED BY CP1275.

CP1282 Attachment A – BSCP601 v11.1 Redlined Text v0.1

1. Introduction

1.1 Scope and Purpose of the Procedure

This BSC Procedure defines the processes for Meter Manufacturers, Meter Operator Agents, Suppliers, Half Hourly Data Collectors and other Half Hourly Metering Equipment users to apply for Compliance Testing and Protocol Approval. This procedure covers the application process, submission of Metering Equipment, communications with the Compliance and Protocol Testing Agents, the issue and removal of certificates. For the avoidance of doubt, this procedure applies only to Half Hourly Metering Equipment.

Protocol Approval

This process is defined to:

a) Approve a Protocol for Settlement purposes; and

b) ensure that a qualified Half Hour Data Collector is capable of appropriate communications with Metering Equipment.

Metering Equipment Compliance

This process is defined to ensure that Metering Equipment is designed and manufactured to the requirements of the relevant Code/s of Practice. Each Compliance Approval is specific to that Metering Equipment tested including type reference and any firmware and software versions. Metering Equipment firmware and software updates not affecting Compliance need not be reapproved. Notification of any such change is to be provided to BSCCo. On successful completion of the Compliance Testing process, BSCCo shall select an appropriate code which is to be used in conjunction with the SVA Data Transfer Network data item J0471 'Outstation Type'. This code shall be available on the Compliant and p~~P~~rotocol a~~A~~pproved Metering Equipment list which can be found on the BSC Website (www.elexon.co.uk).

ISG99/01 - Attachment D

					Compliance						Protocol						
No	Manufacturer	Model	Meter Type	Outstation Type	CoP1 Latest Issue Issue 2 23/02/2006	CoP2 Latest Issue Issue 4 23/02/2006	CoP3 Latest Issue Issue 5 01/09/1998	CoP5 Latest Issue Issue 6 01/09/1998	CoP6 Latest Issue Issue 4 01/12/1998	CoP7 Latest Issue Issue 2 18/11/1996	IMServ Europe Ltd HHDC & CDCA	Metering Services Ltd HHDC	Npower Northern Ltd HHDC	Scottish & Southern Energy Plc HHDC	Siemens Metering Services HHDC	SP Dataserve Ltd HHDC	Stark Software International Ltd HHDC
1	ABB Meters	PPM Issue 1	PM2 and PM3	GP1	-	-	Issue 2 22/04/1997	Issue 4 22/04/1997	-	-	01/02/2005	22/04/1997	22/04/1997	22/04/1997	22/04/1997	22/04/1997	22/04/1997
2	ABB Meters	PPM Issue 2	PM2 and PM3	GP2	-	-	Issue 2 22/04/1997	Issue 4 22/04/1997	-	-	01/02/2005	22/04/1997	22/04/1997	22/04/1997	22/04/1997	22/04/1997	22/04/1997
3	PRI	Calmu 3+	Calmu 3+	CMU			Issue 3 05/08/1997	Issue 4 05/08/1997			01/02/2005	27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001
4	Schlumberger	Indigo +	P5A	INP			Issue 3 29/09/1997	Issue 4 29/09/1997			01/02/2005	27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001
5	Horstmann	Intacom 3	NU098	H13					Issue 4 12/07/1999		12/07/1999	12/07/1999	12/07/1999	12/07/1999	12/07/1999	12/07/1999	12/07/1999
6	Schlumberger	Indigo +	P6A	IN6					Issue 4 12/07/1999		12/07/1999	12/07/1999	12/07/1999	12/07/1999	12/07/1999	12/07/1999	12/07/1999
7	PRI	Sprint XP	SxD xxx XP	PRM				Issue 6 24/02/2000			01/02/2005	04/01/2001	04/01/2001	04/01/2001	04/01/2001	04/01/2001	04/01/2001
8	PRI	Premier	P3Vxxx, P3Txxx, P3Wxxx, P3M xxx	PRM		Issue 3 (see note 2) 13/07/2006	Issue 5 13/07/2006	Issue 6 24/02/2000			01/02/2005	04/01/2001	04/01/2001	04/01/2001	04/01/2001	04/01/2001	04/01/2001
9	ABB Meters	A1700 (Vision)	PB3	VIS		Issue 3 (see note 3) 21/02/2006	Issue 5 21/02/2006	Issue 6 24/02/2000			01/02/2005	18/05/2000	18/05/2000	18/05/2000	18/05/2000	18/05/2000	18/05/2000
10	ABB Meters	OPUS	Outstation	GOP	Issue 1 (see note 3) 10/01/1994	Issue 1 10/01/1994	Issue 1 10/01/1994				27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001
11	Kenda/NGC	OSME	Outstation	OSM	Issue 1 (see note 3) 10/01/1994	Issue 1 10/01/1994	Issue 1 10/01/1994				27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001
12	Kenda/NGC	CM10	Outstation	C10	Issue 1 (see note 3) 10/01/1994	Issue 1 10/01/1994	Issue 1 10/01/1994				EIServer 7.3.13 on Windows XP, SP2 13/10/2008 27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001
13	Kenda/NGC	CM11	Outstation	C11	Issue 1 (see note 3) 10/01/1994	Issue 1 10/01/1994	Issue 1 10/01/1994				27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001
14	Baydel/NGC	MITRE	Outstation		Issue 1 (see note 3) 10/01/1994	Issue 1 10/01/1994	Issue 1 10/01/1994				27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001
15	Kenda	MEDO	Outstation	KME	Issue 1 (see note 3) 10/01/1994	Issue 1 10/01/1994	Issue 1 10/01/1994				EIServer 7.3.13 on Windows XP, SP2 13/10/2008 27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001
16	Kenda	METEOR	Outstation	KMO	Issue 1/2 (see note 3) 06/11/2008	Issue 1/4 06/11/2008	Issue 1 10/01/1994				EIServer 7.3.13 on Windows XP, SP2 13/10/2008 27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001
17	Landis & Gyr	FCL-1	Outstation	FCL	Issue 1 (see note 3) 10/01/1994	Issue 1 10/01/1994	Issue 1 10/01/1994				EIServer 7.3.13 on Windows XP, SP2 13/10/2008 27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001
18	Landis & Gyr	FAF21	Outstation	FAF	Issue 1 (see note 3) 10/01/1994	Issue 1 10/01/1994	Issue 1 10/01/1994				EIServer 7.3.13 on Windows XP, SP2 13/10/2008 27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001
19	Landis & Gyr	FAF22	Outstation	FAF	Issue 1 (see note 3) 10/01/1994	Issue 1 10/01/1994	Issue 1 10/01/1994				EIServer 7.3.13 on Windows XP, SP2 13/10/2008 27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001
20	Electricity de France	n/a	n/a	-	pre Issue 1 30/03/1990						30/03/1990	30/03/1990	30/03/1990	30/03/1990	30/03/1990	30/03/1990	30/03/1990
21	CEWE	Prometer	Prometer	PRO		Issue 3 (see note 3) 27/03/2001	Issue 5 27/03/2001	Issue 6 27/03/2001			EIServer 7.3.13 on Windows XP, SP2 08/03/2008 27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001
22	PRI	Calmu 3	Calmu 3	CMU			Issue 5 27/03/2001	Issue 6 27/03/2001			01/02/2005	27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001
23	PRI	Calmu Link	Calmu Link	CLK			Issue 5 27/03/2001	Issue 6 27/03/2001			27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001

ISG99/01 - Attachment D

					Compliance						Protocol						
No	Manufacturer	Model	Meter Type	Outstation Type	CoP1 Latest Issue Issue 2 23/02/2006	CoP2 Latest Issue Issue 4 23/02/2006	CoP3 Latest Issue Issue 5 01/09/1998	CoP5 Latest Issue Issue 6 01/09/1998	CoP6 Latest Issue Issue 4 01/12/1998	CoP7 Latest Issue Issue 2 18/11/1996	IMServ Europe Ltd HHDC & CDCA	Metering Services Ltd HHDC	Npower Northern Ltd HHDC	Scottish & Southern Energy Plc HHDC	Siemens Metering Services HHDC	SP Dataserve Ltd HHDC	Stark Software International Ltd HHDC
24	ABB Meters	OPUS 5	Outstation	GE5			Issue 5 27/03/2001	Issue 6 27/03/2001			EIServer 7.3.13 on Windows XP, SP2 13/10/2008 27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001
25	Schlumberger	PXAR	PXAR	PXA			Issue 5 27/03/2001	Issue 6 27/03/2001			27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001
26	Siemens	S4S	S4S	S4S			Issue 5 27/03/2001	Issue 6 27/03/2001			27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001
27	Westinghouse	Sprite	Outstation	SPR			Issue 5 27/03/2001	Issue 6 27/03/2001			27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001
28	NGL Limited	Minimate	Outstation	NGL			Issue 5 27/03/2001	Issue 6 27/03/2001			27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001	27/03/2001
29	Siemens	CM32	CM32 version 3.6	C10	Issue 1 (see note 3) 05/06/2001	Issue 3 (see note 3) 05/06/2001					05/06/2001	05/06/2001	05/06/2001	05/06/2001	05/06/2001	05/06/2001	05/06/2001
30	Iskraemeco	Poreg	Outstation	*Code Not Defined* *Suggest* POR	Issue 1 (see note 3) 20/06/2001	Issue 3 (see note 3) 20/06/2001					20/06/2001	20/06/2001	20/06/2001	20/06/2001	20/06/2001	20/06/2001	20/06/2001
31	Siemens Metering Services	CM32	CM32 version 4.5	C10	Issue 1/2 (see note 3 & 5) 24/06/2008	Issue 1/2/3/4 (see note 3 & 5) 24/06/2008					14/05/2002	14/05/2002	14/05/2002	14/05/2002	14/05/2002	14/05/2002	14/05/2002
32	Siemens	n/a	Quad 4 Plus (outstation SQ4)	*Code Not Defined* *Suggest* Q4P	Issue 1 (see note 3) 01/04/2005	Issue 3 (see note 3) 01/04/2005	Issue 5 01/04/2005	Issue 6 01/04/2005			EIServer 7.3.13 on Windows XP, SP2 14/10/2008						
33	Siemens Datacare	n/a	ZMU 202 C	*Code Not Defined* *Suggest* ZMU	Issue 1 (see note 3) 01/04/2005	Issue 3 (see note 3) 01/04/2005	Issue 5 01/04/2005	Issue 6 01/04/2005									
34	Landis & Gyr	n/a	FAG10	*Code Not Defined* *Suggest* FAG	Issue 1 (see note 3) 01/04/2005	Issue 3 (see note 3) 01/04/2005	Issue 5 01/04/2005	Issue 6 01/04/2005			EIServer 7.3.13 on Windows XP, SP2 13/10/2008						
35	CEWE	n/a	CEP	CEW	Issue 1 (see note 3) 10/01/1994												
36	CEWE	n/a	CEQ	CEW	Issue 1 (see note 3) 10/01/1994												
37	Actaris	ACE6000	665	*Code Not Defined* *Suggest* AC6			Issue 5 03/11/2006	Issue 6 03/11/2006									03/07/2007
38	CEWE	Prometer	R & W Comms Module v1.4.0 Disp & Register Module v1.4.0	CP2	Issue 2 (see note 4) 12/11/2007	Issue 4 (see note 4) 12/11/2007	Issue 5 (see note 4) 12/11/2007	Issue 6 (see note 4) 12/11/2007			EIServer 7.3.13 on Windows XP, SP2 12/11/2007					MDR v1.4.0.17 on Windows XP 03/04/2008	
			Comms Module v2.0.0 Disp & Register Module v2.0.0	CP2	Issue 2 12/01/2009	Issue 4 12/01/2009	Issue 5 12/01/2009	Issue 6 12/01/2009									
39	EDMI		Mk 10 -1, 2 and 3 Firmware v 1.19	*Code Not Defined* *Suggest* M10			Issue 5 04/01/2008	Issue 6 04/01/2008					Eziview v4.05 04/01/2008				

Version 13.0

For confirmation/clarification of any information contained please contact ELEXON Metering email: metering@elexon.co.uk

N.B. Blue text indicates latest amendments.

Notes

1) Not used

2) Premier has dispensation (D334) so that it can be installed in COP2 installations up to 31 July 2006

3) ISG has approved dispensation (D339) which allows this Metering Equipment type to be installed until 23 February 2008 (and will continue to be applicable for the life time of the Metering System). For new Metering System registrations after this date, Metering Equipment will be subject to compliance with the current issue of the relevant Code of Practice.

4) Prometer R & W with the following firmware versions are subject to dispensation D340:

Firmware	Prometer R & W
Comms Module	v1.4.0
Display & Register Module	v1.4.0

5) ISG has approved dispensation (D344) which allows this Metering Equipment type to be used for all issues of CoP1 and CoP2 up to and including CoP1 Issue 2 and CoP2 Issue 4.

Note:

CoP5 Issue 6 compliances refer to communications by means of interrogation unless otherwise stated.

Protocols for use with CoP5 Issue 6 compliant metering applies to communications by means of interrogation unless otherwise stated.

Code Not Defined means that there is no code currently assigned to this Outstation within the valid set of J0471 ELEXON has proposed a code to be used.

COP	LATEST ISSUE	LATEST ISSUE DATE
COP1	2.0	23/02/2006
COP2	4.0	23/02/2006
COP3	5.0	01/09/1998
COP5	6.0	01/09/1998
COP6	4.0	01/12/1998
COP7	2.0	18/11/1996

Change Proposal – BSCP40/02	CP No: XXXX *Version No: v0.1* *(mandatory by BSCCo)*

Title *(mandatory by originator)*

Housekeeping changes to BSCP537 Appendix 1 – Self Assessment Document (SAD)

Description of Problem/Issue *(mandatory by originator)*

Background:

CP1272[1] (Please see CP1272 - Background documentation) was approved by the Supplier Volume Allocation Group (SVG) on the 03 March 2009. CP1272 removed the requirement in BSCP520 (BSC Procedure: Unmetered Supplies Registered in SMRS) for Suppliers to send D0155[2], D0148[3] and D0151[4] flows to Unmetered Supplies Operator's (UMSOs).

In addition to this change CP1272 introduced a requirement within BSCP501 (Supplier Meter Registration Service) for the Licensed Distribution System Operator (LDSO) to inform the UMSOs of any changes relating to Unmetered Supply. This addition will ensure that UMSOs are kept informed of any changes that impact Unmetered Supply.

What is the Problem?

The guidance text in Section 17 (UMSO) of **BSCP537 Appendix 1** asks UMSOs who are in the Qualification process to explain how they will ensure that they can receive and process the D0148, D0151 and D0155 data flows from Suppliers (sections 17.1.3; 17.1.4; 17.1.5 and 17.1.7). Following the approval of CP1272, this is no longer required.

This Housekeeping CP would update the Self Assessment Document (BSCP537 Appendix 1) based on the changes that were approved as part of CP1272.

Proposed Solution ***(****mandatory by originator)*

In order to address the above issues the following sections will be amended:

Proposed amendments to BSCP537 Appendix 1	
Within section 17.1.3 UMSO's are asked: How do you ensure that information and data flows relating to Half Hourly Unmetered Supplies are sent or received and processed completely, accurately and in a timely manner, in line with the requirements of the BSC? The following changes are proposed within the guidance column:	
Point 4 Currently reads: Receipt and processing of appointment details on D0155 and D0148 data flows.	**Point 4 will be amended to read:** Receipt and processing of appointment details. ~~on D0155 and D0148 data flows~~. *We note that, although the D0155 and D0148 data flows*

[1] Use of Appointment and Termination Flows in Unmetered Supplies (UMS)
[2] Notification of new Meter Operator or Data Collector Appointment and Terms
[3] Notification of Change to Other Parties
[4] Termination of Appointment or Contract by Supplier

	are being removed from section 17, the UMSO's will still be receiving appointment details via alternative means which will need to be processed - so only the reference to the specific data flows needs to be removed.
Within section 17.1.4 UMSO's are asked: How do you ensure that information and data flows relating to Non Half Hourly Unmetered Supplies are sent or received and processed completely, accurately and in a timely manner, in line with the requirements of the BSC? The following changes are proposed within the guidance column:	
Point 4 Currently reads: Receipt and processing of appointment details from the Supplier on D0155 and D0148 data flows.	**Point 4 will be amended to read:** Receipt and processing of appointment details~~. from the Supplier on D0155 and D0148 data flows~~
Within section 17.1.5 UMSO's are asked: What controls do you have in place to ensure that the requirements of BSCP520 are met when a Change of Supplier (CoS) and/or Change of Agent (CoA) event takes place? The following changes are proposed within the guidance column:	
Point 1 Currently reads: Receipt and processing of appointment details D0155 and D0148 data flows.	**Point 1 will be amended to read:** Receipt and processing of appointment details~~. D0155 and D0148 data flows~~.
Point 5 Currently reads: Receipt and processing of appointment details on D0155 and D0148 data flows.	**Point 5 will be amended to read:** Receipt and processing of appointment details~~. on D0155 and D0148 data flows~~
Point 6 Currently reads: Receipt and processing of Termination of Appointment details from outgoing Supplier on a D0151 data flow.	**Point 6 will be amended to read:** Receipt and processing of Termination of Appointment details~~. from outgoing Supplier on a D0151 data flow~~.
Point 8 currently reads: Receipt and processing of appointment flows and D0148.	**Point 8 will be amended to read:** Receipt and processing of appointment details. ~~flows and D0148~~.
Point 9 currently reads: Receipt and processing of D0148 and D0155.	**Point 9 will be amended to read:** Receipt and processing of appointment details. ~~D0148 and D0155~~
Within section 17.1.7 UMSO's are asked: What controls do you have in place to ensure that the requirements of BSCP520 are met when a disconnection is required following de-energisation of an MSID? The following changes are proposed within the guidance column:	

Point 4 currently reads:	**Point 4 will be amended to read:**
Receipt and processing of Termination of appointment date (if NHH) from supplier via D0151 data flow.	Receipt and processing of Termination of appointment date (if NHH) ~~from supplier via D0151 data flow~~.

Justification for Change *(mandatory by originator)*

BSCP537 Appendix 1 should to be updated to reflect changes in BSCP501 & BSCP520, made by CP1272. These changes will ensure that the processes and procedures stipulated within BSCP537 Appendix 1 are consistent with those outlined within BSCP520 & BSCP501.

To which section of the Code does the CP relate, and does the CP facilitate the current provisions of the Code? *(mandatory by originator)*

Yes, CPXXXX better facilitates the provisions of Section S as it would ensure consistency between the Code Subsidiary Documents.

Estimated Implementation Costs *(mandatory by BSCCo)*

To be confirmed.

Configurable Items Affected by Proposed Solution(s) *(mandatory by originator)*

BSCP537 (Qualification Process for SVA Parties, SVA Party Agents and CVA MOAs) Appendix 1: Self Assessment Document (SAD).

Impact on Core Industry Documents or System Operator-Transmission Owner Code *(mandatory by originator)*

None identified

Related Changes and/or Projects *(mandatory by BSCCo)*

CP1272 - Use of Appointment and Termination Flows in Unmetered Supplies (UMS) - which has been approved for the June 09 release.

Requested Implementation Date ***(mandatory by originator)***

November 2009

Reason:
Next available release date

Version History ***(mandatory by BSCCo)***
Version 0.1

Originator's Details:

***BCA Name*……Stuart Holmes**

***Organisation*……ELEXON**

***Email Address*……stuart.holmes@elexon.co.uk**

***Telephone Number*…… 0207 380 4135**

***Date*……TBC**

Attachments: Yes

Attachment A – Redline changes to BSCP537 Appendix 1: Self Assessment Document (SAD) (12 Pages)

Housekeeping CPXXXX – redline changes to BSCP537 Appendix 1: Self Assessment Document (SAD) v 6.0

Section 17 - UMSO

Objectives of this section

The objective of this section is to consider the controls that have been built into the systems and processes supporting your Unmetered Supplies Operator (UMSO) service to ensure the operational requirements of the BSC and BSCPs are met. Whilst Sections 1 to 7 of the SAD are generic to all Qualified Persons, this section focuses on the specific controls required to operate effectively as an UMSO.

Guidance for completing this section

The UMSO is responsible for establishing new Unmetered Supplies and establishing appropriate Connection Agreements with UMS customers in line with the requirements set out in BSCP520. In addition it is responsible for providing summary inventories to the Meter Administrator (Half Hourly) and issuing Unmetered Supplier Certificates (Non Half Hourly).

Business Processes and Mitigating Controls: This set of questions looks at the controls over the provision of data to other participants, the subsequent processing of information received and the transmission of this updated data to relevant participants.

Exception Management: The section looks at the specific controls you have in place to report on, monitor and resolve exceptions during the processing of your data.

A number of questions in the SAD relate to 'data quality'. This section of the SAD is concerned with the on-going quality of your data when your UMSO service is live and in operation. The quality of the data used to initially populate your service is considered in Section 7 of the SAD. A number of the questions in the service specific sections of the SAD relate to how you will ensure the accuracy of incoming and outgoing data and in the event that poor quality data does enter your UMSO service, how you identify and resolve this to minimise the impact upon other Parties and Party Agents.

Both system and manual controls should be considered when answering the SAD questions as your service will rely on both system and manual processes to effectively fulfil its obligations. Responses should consider the procedures in place for dealing with electronic flows received via the DTN and also manual data flows received via any other means (e.g. email, fax letter). It is recognised that not all UMSOs use the DTN to send and receive information from other participants. Where a question references a specific data flow this should be interpreted to mean the information that would normally be sent/received using that data flow even if the DTN is not used as the method of receipt/delivery. A full response should be provided and the Applicant should indicate for each data flow referenced whether the DTN or an alternative method of communication would be used.

17.1 Business processes and mitigating controls

Question	Guidance	Response	Evidence
17.1.1 What controls do you have in place to ensure that the establishment of new UMS connections is done in accordance with the requirements of BSCP520?	The UMSO is required to carry out a number of activities when establishing or updating UMS inventories. The response should include the following key events: 1. Receiving/processing applications for new UMS from customers 2. Establishing UMS Connection Agreements with customers 3. Distinguishing between HH and NHH UMS and applying distinct processes The response should address the following areas: a) Controls in place to ensure that applications for new Unmetered Supplies meet the UMS criteria specified in BSCP520. b) Procedures for establishing appropriate UMS Connection Agreements with all customers ensuring that the key clauses defined in BSCP520 (section 1.1) are adhered to as a minimum. Monitoring controls to ensure that all new connections are set up completely and accurately and have a formal connection agreement in place.		
17.1.2 How do you ensure that once a UMS connection has been	The response should include the following key events:		

Question	Guidance	Response	Evidence
established new inventories or changes to inventories are processed completely and accurately in accordance with the requirements of BSCP520?	1. Receiving and processing new/revised UMS inventories from customers and Change of Measurement Class applications from Suppliers. 2. Calculation of EACs for Non Half Hourly UMS 3. Generation of UMS Certificates and data flows (D0052) 4. Generation of summary inventories for Half Hourly UMS The response should address the following areas: a) Controls and procedures in place to ensure the correct application of initial/revised EAC calculations for each Settlement register is recorded for each MSID for NHH traded UMS (BSCP520 Appendix 4.4). b) Procedures for generating the required outputs for NHH traded UMS (UMS Certificate and D0052) c) Procedures for monitoring the required outputs for HH traded UMS (Summary Inventory) d) Monitoring of compliance against conditions of UMS Certificates) e) Controls in place to ensure that applications for revised UMS inventories continue to meet the UMS criteria specified in BSCP520. f) Existence of a trigger upon receipt of updated inventories/Change of Measurement Class/Change of Supplier notifications to re-start the procedures for		

Question	Guidance	Response	Evidence
	establishing a new UMS inventory to ensure that the criteria for UMS detailed in BSCP520 continue to be met.		
17.1.3 How do you ensure that information and data flows relating to Half Hourly Unmetered Supplies are sent or received and processed completely, accurately and in a timely manner, in line with the requirements of the BSC?	The response should include the following key events: 1. The sending of request to SMRA for a new MSID record via P0171 data flow 2. Sending of UMS Certificates to customer and Supplier on a P0170 flow 3. Provision of Equivalent Meter Technical Details via P0068 data flow 4. Receipt and processing of appointment details ~~on D0155 and D0148 data flows~~. 5. Provision of UMS summary inventories to the appointed Meter Administrator via P0064 data flow 6. Receiving requests for Equivalent Meter Technical Details and location of PECU arrays (if applicable) via a P0176 data flow The response should address the following 1. All flows are identified, reviewed and authorised prior to processing. 2. The validation of data flows for formats and lengths 3. The validation of data for its internal consistency, for		

Question	Guidance	Response	Evidence
	completeness and accuracy (e.g. the MSID is valid). a. Where the generating/sending of flows requires the use of MDD the response should reference how it is ensured that this data is valid. b. Where an agreed method other than the standard DTC flow is to be used the response should address: ▪ How you manage the approval / agreement of receipt / sending of data in another agreed format, ▪ What records are retained of the agreement of the method as well as the actual data received / sent; and • How you ensure that timescales surrounding this data are adhered to. 4. Controls in place to ensure that all data required or expected is received and that all data to be sent is sent in a timely manner. This may be through controls within the update routines or through manual controls. 5. Existence of agreed procedures with the appointed Meter Administrator for the checking and agreement of inventories.		

Question	Guidance	Response	Evidence
17.1.4 How do you ensure that information and data flows relating to Non Half Hourly Unmetered Supplies are sent or received and processed completely, accurately and in a timely manner, in line with the requirements of the BSC?	The response should address the following key events: 1. The sending of a request to SMRA for a new MSID record for UMS via P0171 data flow 2. Accurate calculation of EACs according to calculation type (BSCP520 Appendix 4.4). 3. Sending of UMS Certificates to customer and Supplier via a P0170 data flow 4. Receipt and processing of appointment details. ~~from the Supplier on D0155 and D0148 data flows~~ 5. Sending of split EAC/Profile Class and SSC details via a D0052 data flow to the Supplier and NHHDC following a new connection/change of inventory detail. 6. The creation and sending of an annual spreadsheet of all UMS EACs to Suppliers on a P0218 data flow as specified in BSCP520. The response should include: i. A description of the process by which Supplier UMS registrations are collated; ii. Processes in place for applying the appropriate Average Fraction of Yearly Consumption (AFYC). iii. Submission of the data to Supplier/BSCCo iv. How you ensure that all requests received via a D0310 from the Supplier (or NHHDC) to		

Question	Guidance	Response	Evidence
	resend correct EACs to the NHHDC are actioned. The response should address the following a) All flows are identified, reviewed and authorised prior to processing. b) The validation of data for formats and lengths, e.g. the MSID is valid. c) The validation of data for its internal consistency, for completeness and accuracy. i) Where the generating/sending of flows requires the use of MDD the response should reference how it is ensured that this data is valid. ii) Where an agreed method other than the standard DTC flow is to be used the response should address: ▪ How you manage the approval / agreement of receipt / sending of data in another agreed format, ▪ What records are retained of the agreement of the method as well as the actual data received / sent; and ▪ How you ensure that timescales		

Question	Guidance	Response	Evidence
	surrounding this data are adhered to. d) Controls in place to ensure that all data required or expected is received and that all data to be sent is sent in a timely manner. This may be through controls within the update routines or through manual controls.		
17.1.5 What controls do you have in place to ensure that the requirements of BSCP520 are met when a Change of Supplier (CoS) and/or Change of Agent (CoA) event takes place?	The response should cover how you identify when a CoA/CoS activity has taken place and should address the following: For Half Hourly UMS CoS 1. Receipt and processing of appointment details. ~~D0148 and D0155 flows~~ 2. Sending of latitude and longitude information and inventory details via P0068 data flow. 3. Existence of procedures for agreeing with the Supplier that the existing UMS Certificate continues to meet the requirements of BSCP520 4. Existence of agreed procedures with the appointed Meter Administrator for the checking and agreement of UMS inventories. For NHH CoS 5. Receipt and processing of appointment details. ~~on a D0148 and D0155 data flows~~		

Question	Guidance	Response	Evidence
	6. Receipt and processing of Termination of Appointment details. ~~from outgoing Supplier on a D0151 data flow~~ 7. Existence of procedures for agreeing with the Supplier that the existing UMS Certificate continues to meet the requirements of BSCP520 Change of MA 8. Receipt and processing of appointment details. ~~flows and D0148~~ Change of NHHDC Receipt and processing of appointment details. ~~D0148 and D0155~~		
17.1.6 What controls do you have in place to ensure that the requirements of BSCP520 are met when a change of energisation status takes place?	The response should address the following: 1. Receipt and processing of energisation status change requests via D0134 data flows 2. Sending of confirmation of energisation status change D0139 data flows to MA/Supplier (HH traded UMS) 3. Sending of confirmation of energisation Status change D0139 data flows to NHHDC/Supplier (NHH traded UMS) The response should also provide details of: a) How you ensure that a D0139 is sent for each D0134 data flow received		

Question	Guidance	Response	Evidence
	b) How you receive/process change of energisation requests which are not submitted via a data flow but through other agreed methods.		
17.1.7 What controls do you have in place to ensure that the requirements of BSCP520 are met when a disconnection is required following de-energisation of an MSID?	The response should address the following: 1. The receipt and processing of disconnection request via D0132 data flow 2. Procedures in place to identify and perform any physical site work required 3. The sending of disconnection request/confirmation via P0175 and D0125 data flows 4. The receipt and processing of termination of appointment date (if NHH). ~~from Supplier via D0151 data flow.~~ The response should also provide details of: c) How you ensure that a D0125 / P0175 is sent for each D0132 data flow received d) How you receive/process disconnection requests which are not submitted via a data flow but through other agreed methods.		
17.1.8.How have you ensured that you have appropriate audit trails in place?	The UMSO should retain data to allow the Supplier to fulfil all its obligations under the BSC. The response to this question should address how such data is stored, including the		

Question	Guidance	Response	Evidence
	following key items: 1. Copies of Connection Agreements and evidence that Connection Agreements are in place and have been sent to the customer. 2. Evidence of data sent and received. This data may be in either data flow format or otherwise (e.g. fax/email) and the agreed method should be formalised and recorded. 3. EAC values and evidence of calculations (for NHH UMS) including evidence to support changes made to inventories and subsequent re-calculations of EACs. 4. Summary inventories and history of changes to inventories (for HH UMS) 5. Copies of UMS Certificates and evidence to confirm that these, and D0052 data flows, have been sent 6. Evidence to support changes to UMS Connections and communications of the changes to relevant parties.		

Question	Guidance	Response	Evidence
17.1.9 How have you ensured that you can meet the data retention requirements set out in BSC Section U1.6 and BSCP520 section 1.2.1(j)?	Section U1.6 sets out the requirements on Parties and their Party Agents to retain Settlement Data for: 1. 28 months after the Settlement Day to which it relates on-line; 2. Until the date 40 months after the Settlement Day to which it relates in an archive; and 3. At the request of the Panel, for more than 40 months if needed for an Extra Settlement Determination. The response should address the following: a) Controls to ensure that any archived data can be retrieved within 10 Business Days. b) Systems and procedures to ensure that all data that is retained is in a form in which the data can be used in carrying out a Settlement Run or Volume Allocation Run.		

No further changes will be made to BSCP537 in relation to CPXXXX