CP Report – CP1390

Date	2 July 2013
Purpose of paper	For Information
Summary	This report provides details of the background, solution, impacts, industry views and the SVG's final views on its decision to approve CP1390 ''New MDD Entity for SMETS Version'.

1.   Why Change

Background

The Department of Energy and Climate Change (DECC)'s Smart Metering Implementation Programme (SMIP) has defined requirements for Smart Metering arrangements, which impact existing electricity and gas codes. These requirements are known as the Smart Metering Equipment Technical Specification (SMETS).

The required SMETS changes to registration data have been developed by a joint BSC and Master Registration Agreement (MRA) working group, culminating in the approval of changes to the MRA[1] and the Data Transfer Catalogue (DTC) [2] in October 2012.

What is the issue?

The SMETS is expected to change over time as further versions are developed by the SMIP. In order to help support arrangements for Smart Metering, a new DTC data item called 'SMETS Version' has been created under MRA governance. This data item will be used by Suppliers to indicate (in the Supplier Meter Registration Service (SMRS)) their view of the SMETS version against which a particular Smart Metering System is compliant, and will also be used by Distributors in their role as Supplier Meter Registration Agents (SMRAs) to validate this.

The 'SMETS Version' data item includes a valid set, which lists the versions of the SMETS created under the governance of the Smart Energy Code (SEC). As part of the consultation process for DTC CP3362, Suppliers and Distributors identified a requirement that this valid set be maintained as part of the BSC's Market Domain Data (MDD). Storing this information in MDD will provide participants with a central and reliable reference, one that is governed by processes clearly defined in the BSC Procedures (BSCPs).

ELEXON raised CP1390 'New MDD Entity for SMETS Version' on 22 March 2013 to progress this solution.

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[1] MRA CP0199 'Consequential changes to the MRA to meet the SMIP requirements related to Registration'.
[2] DTC CP3362 'Revisions to the DTC related to SMIP consequential Changes: Registration'.

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2.   Solution

'SMETS Version' would be included in MDD as a new entity. In doing so:

- SMETS Version would be established as a new entity in BSCP509 'Changes to Market Domain Data', with BSCCo as the originator;

- A corresponding MDD Entity Form would be created to define the data format; and

- Any subsequent changes to the valid values will go through the existing MDD Change Request process as set out in BSCP509.

It is not proposed that SMETS Version should be added to the D0269/D0270 MDD data flows. We propose that, for consistency, the information should instead be made available through the ELEXON Portal, alongside similar entities (such as GSP Group Profile Class Default EAC) that are stored in MDD but are not included in the DTC flows. The entity would be relatively simple, comprising the SMETS Version identifier itself and a description field.

ELEXON believes that provision of SMETS Version information through the ELEXON Portal is more cost-effective than modifying the D0269/D0270. It minimises the impact on the recipients of those flows, especially those who are not involved in Smart Metering (e.g. HH Suppliers and Supplier Agents). It avoids the need to potentially decommission one of the existing flow versions (either v002 or v004), as the affected systems cannot usually support more than two versions of a flow at one time.

3.   Impacts and Costs

Central impacts and costs

The following table shows the impacted documents and systems:

Document Impacts	System Impacts
BSCP509	Changes to the ELEXON Portal to add 'SMETS Version' to MDD Online.
BSCP509 Appendix: MDD Entity Change Request Forms	
Guidance Notes – MDD Made Easy; Market Domain Data Handbook	

The table below shows the estimated ELEXON implementation effort and costs of amending the ELEXON Portal:

ELEXON Costs		
Document Changes	**System Changes**	**Total**
3.5 man days of ELEXON effort, equating to £840	Approximately £6,000 if completed as a standalone release (the cost may be less if implemented alongside other similar changes).	**Approximately £6,840**

Participant impacts and costs

The following table summarises the participant impacts associated with CP1390, including those identified in the responses received to the Participant Impact Assessment.

Participant Impacts	
Participant Type	**Impacts & Costs**
Data Collectors / Aggregators	No cost.
Distributors	Small cost.
Suppliers	Responses included 'minimal' and 'none', and some respondents provided no cost details.

4. Implementation Approach

CP1390 is targeted for implementation on 7 November 2013 as part of the November 2013 BSC Release. The new entity would need to be available for use to coincide with the implementation of DTC CP3362, which has been accepted by the MRA Development Board (MDB) for implementation in November 2013.

5. SVG's Initial Views

ELEXON presented the New CP Progression paper for CP1390 to the SVG at its meeting on 5 March 2013 (SVG145/08). SVG Members had no comments on the CP at that stage.

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6. Industry Views

We issued CP1390 for Participant Impact Assessment via CPC00727. We received ten responses of which nine agreed and one disagreed with the CP.

The following table shows the breakdown of responses. You can find the full collated participant responses to CP1390 in Attachment C and on the BSC Website here.

Summary of Responses for CP1390			
Organisation	**Capacity in which Organisation operates** (Supplier, Distributor, LDSO, etc.)	**Agree?**	**Impacted?**
British Gas	Supplier, Meter Operator	Yes	Yes
EDF Energy	Supplier, NHHDC, HHDC, MOA	Yes	Yes
Electricity North West	Distributor	No	Yes
Northern Powergrid	LDSO, UMSO	Yes	Yes
Npower	Supplier and Supplier Agents (HH & NHH)	Yes	No
ScottishPower	Supplier, NHHDC, NHHDA	Yes	Yes
Southern Electric Power Distribution (SOUT)/ Scottish Hydro Power Distribution (HYDE)	Distributor	Yes	Yes
SSE Energy Supply Ltd	Supplier, NHHMO, NHHDC, HHMO	Yes	Yes
TMA Data Management Ltd	HHDC, HHDA, NHHDC and NHHDA	Yes	No
Western Power Distribution	LDSO	Yes	Yes

Eight respondents are impacted by the change, which would require minimal changes to their internal systems and procedures.

The respondent who disagrees with the change agrees with the SMETS version being maintained within MDD to provide participants with a reliable central reference. However, they disagree with the decision not to include the SMETS Version in the D0269/D0270 data flows. This is because participants will have to locate the data on the ELEXON Portal and load it into their systems, which the respondent believes could create inconsistencies. Though disagreeing with CP1390 overall, the respondent agrees that CP1390 should be implemented as suggested but would like a further change to include the SMETS Version within the D0269/D0270 data flows. The CP1390 solution is designed to work without inclusion of the SMETS Version within the D0269/D0270. We therefore do not believe that a subsequent change to include it in the D0269/D0270 would be necessary if CP1390 is approved and implemented; however it would be open to any Party to raise such a CP for consideration.

Two other respondents also comment that, although they agree with the proposed Implementation Date and the overriding principle of CP1390, they disagree with the decision not to include the SMETS Version in the D0269/D0270 data flows.

One respondent questions how the data item "Meter Type" under the DTC would be kept in line with the SMETS Version in MDD. The respondent believes that there is the potential for SMETS Version to be updated and notified in SMRS; however the Meter Type held by the Meter Operator may be different with the potential to cause data conflicts. ELEXON recognises that SMETS Version and Meter Type could be out of line, as they are sourced from two different organisations (Supplier and Meter Operator respectively) and so synchronisation cannot be guaranteed. However, they are not intended to be used in combination and so there is no firm requirement for them to be aligned at all times. Where any discrepancies are identified, the Supplier should discuss this with their Meter Operator in the first instance, and this could result in either an update to the data held in SMRS or a change to the Meter Type held in the Electricity Central Online Enquiry Service (ECOES). ELEXON has clarified its view to the respondent, who made no further comments.

Comments on the proposed redlining

No respondents commented on the proposed redlined changes to BSCP509 and BSCP509 Appendix: MDD Entity Change Request Forms.

7. Final Report

SVG's Final Views

ELEXON presented CP1390 to the SVG for decision at its meeting on 4 June 2013[3].

ELEXON presented the background, solution, impacts and industry views for CP1390. ELEXON invited the SVG to approve CP1390 for implementation in the November 2013 Release.

An SVG Member asked why the solution did not include the new entity within the MDD data flows. The Member expressed concern that ELEXON was moving to a situation where not all of the MDD data items were in the flows. They noted that participants prefer to have all items within the flows rather than having to manually pull/load some from the Portal.

ELEXON advised that the central costs of any flow changes were likely to be ten times those of the proposed Portal solution, and that past changes to the MDD flows have also historically incurred significant participant impacts/costs due to the need to decommission one of the two flow versions. ELEXON noted the requirement to have a solution in place for November in order to co-ordinate with the implementation of the Data Transfer Catalogue (DTC) changes, and that it was now not possible to deliver flow changes by that date. ELEXON noted that it was not ruling out a subsequent change to flows, especially if the need for

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[3] Further information on this meeting, including the CP1390 paper, can be found on the SVG148 page of the BSC Website here.

further data items arises from the Smart Implementation Programme – however CP1390 aimed to address a specific need in a practical way.

SVG Members agreed that the CP should be approved as it was, at this point, the only practical way to deliver a solution for November 2013. However, Members expressed the strong view that any inflexibility/complexity of the MDD system was a reason to improve the system so that it could better facilitate change, and not to bypass it or the data flows as the industry's delivery mechanism for SVA standing data. ELEXON agreed to consult on the design and challenges of MDD and to provide periodic updates to the SVG.

Final Decision

The SVG approved CP1390 for implementation on 7 November 2013 as part of the November 2013 BSC Systems Release and agreed the proposed amendments to BSCP509 and BSCP509 Appendix: MDD Entity Change Request Forms.

Appendices:
None

Attachments:
Attachment A – BSCP509 Redlining v0.1
Attachment B – BSCP509 Appendix: MDD Entity Change Request Forms Redlining v0.1
Attachment C – CP1390 Consultation Responses

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