

## Change Proposal – BSCP40/01

CP No: 1138

Version No: 1.0

### **Title** *(mandatory by originator)*

The Identification and Labelling of Meter Registers

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

The Customer Transfer Programme (CTP) has noted that no industry convention has been established to regulate how the J0010 'Meter Register ID' data item should be populated. At the moment, different Meter Operation Agents (MOAs) use different conventions. As a result, it is not always easy to identify the registers that are displayed on the physical metering asset on the basis of the J0010 data item and vice versa. This results in issues for the Data Collector in accurately allocating a meter reading to a meter register and subsequent processing issues.

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

The solution outlined in this section reflects the proposal discussed at the CTP Meter Register Conventions Meeting on 15 April 2005. It is proposed that the values used to populate the J0010 data item (particularly within the D0149/D0150 flows) should be consistent with and reflective of the identifiers or markings of the meter registers themselves wherever possible.

This convention should be mandatory when installing new, replacement and re-configured meters or when attending the site to carry out other significant work on the meter which would require re-registration of the metering system. Therefore, the solution described below should be followed in these circumstances only:

- The MOA should ensure that the registers of the metering asset are clearly identified, and readily identifiable using the two-character Meter Register Id (data item J0010). If this is not the case, the MOA shall clearly label the registers so that they can then form the link between the register identifier and the two-character Meter Register Id.
- Identifiers may be displayed with the register (eg "R1" for electronic meters), or printed against each register (eg "L" and "N" against mechanical registers). Where the identifier can not be uniquely identified by a 2-character Meter Register Id (eg "CUM 3"), a label shall be applied to, or immediately adjacent to, the meter that shows the display sequence, with the equivalent Meter Register Id for each register (eg "CUM 3 - Reg Id=02", etc).
- Due to limitations of PPMIP software, two-rate key meter registers shall be identified using " 1", "1 ", "01" or "R1" and "2", "2 ", "02" or "R2" Meter Register Ids only. This will enable suppliers to match transaction data from PPMIPs, and customer and DR readings, to register data from MOAs.

Market participants can choose to adopt this convention for existing meters, but are not obliged to do so. This may help market participants to resolve issues without necessarily re-configuring existing meters.

The proposed solution will only apply to Supplier Volume Allocation (SVA) registered Non Half Hourly (NHH) meters.

The solution may require changes to existing DTN software systems, but the extent of any changes will need to be determined by market participants.

### **Justification for Change** *(mandatory by originator)*

This change will support the integrity of settlement by improving the accuracy of the allocation of metered energy to meter registers.

It will also promote competition by establishing clearer guidelines for the identification of registers on all new

<b>Change Proposal – BSCP40/01</b>	<b>CP No: 1138</b> <i>Version No: 1.0</i>
meters, thereby enabling Change of Agent (CoA) and Change of Supplier (CoS) processes to function smoothly.	
<b>Is the Change being proposed a Housekeeping Change?</b> <i>(optional by originator)</i>  No <sup>1</sup>	

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<sup>1</sup> The relevant Panel Committee will decide whether a Change Proposal can be progressed as a Housekeeping Change Proposal.

## Change Proposal – BSCP40/01

CP No: 1138

Version No: 1.0

### Configurable Items Potentially Affected by Proposed Solution(s) *(optional by originator)*

#### **BSCP504 'Non Half Hourly Data Collection for SVA Metering Systems'**

It is suggested that high-level clarification should be added to procedures 2.3.7 "Reconfigure or Replace SVA Metering System" and 3.2.1 "Supplier requests New Connection - Metered Supply" to ensure that the registers of the meter are clearly identifiable and that the identification is used to identify the registers in all relevant data flows (in accordance with Sections 1.4.2 and 1.5.1 of PSL110).

#### **BSCP514 'SVA Meter Operations for Metering Systems Registered in SMRS'**

It is suggested that high-level clarification should be added to procedures 6.2.2 "New Connection" and 6.3.4 "Reconfigure or Replace Metering System" to ensure that the registers of the meter are clearly identifiable and that the identification is used to identify the registers in all relevant data flows (in accordance with Sections 1.4.2 and 1.5.1 of PSL110).

#### **PSL110 'SVA Meter Operation'**

It is suggested that the following paragraphs should be added to Section 1.4.2 "Installation, Removal and Re-programming of Meters" after paragraph 1.4.2.8:

When installing a NHH multi-register meter, or when attending the site to carry out significant work on such a meter that would require re-registration of the metering system, the MOA shall ensure that the registers of the metering asset are clearly identified, and that the Meter Register Ids (J0010) to be used in all relevant data flows clearly identify the registers on the metering asset to be read. (eg "L", "N", "R1", "R2", etc).

Where the identifier can not be uniquely identified by a 2-character Meter Register Id (eg "CUM 3"), a label shall be applied to, or immediately adjacent to, the meter that shows the display sequence, with the equivalent Meter Register Id for each register (eg "CUM 3 - Reg Id=02", etc).

For two-rate key meters only, the only permitted Meter Register Ids are "1", "1 ", "01" or "R1" and "2", "2 ", "02" or "R2" (When installing or attending the site to carry out significant work requiring re-registration).

It is suggested that the following paragraph should be added to Section 1.5.1 "Information to Data Collectors" after paragraph 1.5.1.4:

Whenever the registers of a NHH multi-register meter are identified in accordance with the provisions of Section 1.4.2, the Data Collector shall ensure that the chosen identifiers are used to identify the registers in all relevant data flows.

#### **SVA Data Catalogue**

The J0010 'Meter Register ID' data item is declared as type Char(2). However, the valid set of values for the J0010 is currently defined as comprising "unique positive integers, allocated sequentially starting from 1, within the constraints of the format" on pages 29, 30 and 172 of volume 2 of the SVA Data Catalogue. This should be changed so that the valid set becomes the set of all two character alphanumeric sequences, uniquely assigned to each register on a given meter. This is not expected to require changes to existing software systems.

The description of the J0010 data item in the SVA Data Catalogue should be amended to reflect the requirement that the Meter Register ID should be consistent with the labels on the registers of the meter, whenever the registers are labelled in accordance with PSL110.

#### **Codes of Practice**

The requirement for labelling the meters will not be formalised in the Codes of Practice (CoPs), because the legal status of the CoPs is currently under review owing to the European Measurement Instrument Directive.

<b>Change Proposal – BSCP40/01</b>	<b>CP No: 1138</b>  <i>Version No: 1.0</i>
<b>Impact on Core Industry Documents or System Operator-Transmission Owner Code</b> <i>(optional by originator)</i> None	
<b>Related Changes and/or Projects</b> <i>(mandatory by BSSCo)</i>  Whilst this change is independent from other CTP Change Proposals, a related change to the DTC is being proposed to provide clarity around population of the J0010 data item in DTC flows.	
<b>Requested Implementation Date</b> <i>(mandatory by originator)</i>  February 2006  <b>Reason:</b>  This should provide sufficient lead time for any required systems changes, and is consistent with other CTP related changes.	
<b>Agreed Release/Implementation Date</b> <i>(mandatory by BSSCo)</i>  	
<b>Originator's Details:</b>  <b>BCA Name: Edward Coleman, on behalf of The Customer Transfer Programme</b>  <b>Organisation: E.ON UK</b>  <b>Email Address: Edward.coleman@powergen.co.uk</b>  <b>Date: 10<sup>th</sup> June 2005</b>	
<b>Attachments:</b> None	