

Change Proposal – BSCP40/02	CP No: CP1443 <i>Version No:</i> <i>(mandatory by BSCCo)</i>
Title (mandatory by originator) Standard Settlement Configurations for smart and advanced Meters	
Description of Problem/Issue (mandatory by originator) Under the current BSC arrangements, there are two ways to switch electrical loads or time-of-use registers: <ul style="list-style-type: none"> • locally by timeswitching i.e. via a timeswitch in (or attached to) the Meter; or • remotely using a time signal from the Radio Teleswitch Service (RTS). Suppliers who use the RTS to switch load or registers should assign Metering Systems to an RTS Standard Settlement Configuration (SSC). An RTS SSC includes two additional data items in Market Domain Data (MDD): a Teleswitch User Id (TSU) and a Teleswitch Group Id (TSG). The Time Pattern Regime Ids for an RTS SSC have a Tele-switch/Clock Indicator value of ‘S’ (as opposed to ‘C’ for clock-switched or timeswitched) and, by convention, have five digit Ids that are greater than 00999. <p>In the case of timeswitched Meters, MDD predefines both the time-of-use registers and the switching times. In the case of teleswitched Meters, MDD defines the registers, but the Teleswitch Agent notifies the Supplier Volume Allocation Agent (SVAA) of the broadcast switching times for each TSU and TSG on a daily basis.</p> <p>With the introduction of smart metering and the Data and Communications Company (DCC), the DCC will process requests from Suppliers to remotely switch registers and control load and will send commands to be applied by the relevant smart Meter. When the Meter Operator Agent (MOA) replaces an RTS Meter with a smart Meter, the Supplier could retain the Metering System on its existing RTS SSC. The MOA could configure the smart Meter’s switching calendar so that load (and/or time of use registers) switch at the same time as the RTS group to which the Metering System previously belonged. However, this presents three problems:</p> <ul style="list-style-type: none"> • Assigning a non-RTS Metering System to an RTS SSC would be to mislabel it; • Suppliers, Supplier Agents and Distribution Network Operators (DNOs) would lose the distinction between smart Meters and tele-switch Meters and would be unable to track the migration of RTS Metering Systems; and • When eventually, the RTS signals are no longer broadcast for the RTS group in question, any Metering Systems left on the RTS SSC will no longer be settled correctly. 	
Proposed Solution (mandatory by originator) CP1443 proposes to add the following new requirement to section 4.2 of BSCP516 ‘Allocation of Profile Classes & SSCs for Non-Half Hourly SVA Metering Systems Registered in SMRS’ :	

‘Suppliers should only use SSCs for teleswitch regimes when the Metering System’s registers are switched using the Radio Teleswitch Service. Suppliers should assign all other Metering Systems (including smart Meters which are switched remotely or by a switching calendar) to a timeswitched SSC’.

This proposed solution has the benefit of enduring beyond the end of the RTS to smart transition. This will avoid mixing RTS and smart Metering Systems on the same SSC, and so facilitates Supplier reporting of RTS migration.

Justification for Change (mandatory by originator)

In February 2015, the Profiling and Settlement Review Group (PSRG) completed a project to identify ways to ensure accurate Settlement for dynamically-controlled load (and time-of-use registers) through smart Meters. The PSRG concluded that Half Hourly (HH) Settlement for dynamically-controlled load was the best longer-term option.

In the shorter term, Suppliers could treat dynamically switched smart Meters as static timeswitched (with an approximation in Settlement). Static¹ or semi-static² switching regimes already account for a significant majority of RTS Metering Systems, so Suppliers can move these Metering Systems to an equivalent timeswitched SSC.

At its 3 February 2015 meeting ([SVG168/09](#)), the SVG agreed the PSRG’s recommendations. It requested that ELEXON raise a CP to mandate that Suppliers move smart Meters with dynamically-controlled load to a new (or existing) non-RTS SSC on installation of a smart Meter.

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

Section S ‘Supplier Volume Allocation’

Estimated Implementation Costs (mandatory by BSCCo)

One ELEXON man day of effort to implement the redlined changes. One ELEXON man day equates to £240.

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

BSCP516 ‘Allocation of Profile Classes and SSC’s for Non Half Hourly SVA Metering Systems Registered in SMRS’

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

None identified.

¹ Registers/load are switched at the same time every day of the year

² Registers/load are switched at the same time every day within a defined season or change only to accommodate British Summer Time and/or Bank Holiday adjustments.

Related Changes and/or Projects (mandatory by BSCTCo)

None identified.

Requested Implementation Date (mandatory by originator)

Requested implementation for **25 February 2016** as part of the February 2016 BSC Systems Release.

Reason: The February 2016 Release is the next available release that can include this CP.

Version History (mandatory by BSCTCo)

Version 1.0 of CP1443 was issued on 8 June 2015.

Originator's Details:

BCA Name.....*Claire Kerr*.....

Organisation.....*ELEXON*.....

Email Address..... Claire.Kerr@elexon.co.uk

Telephone Number.....*020 7380 4293*.....

Date.....*12 May 2015*.....

Attachments: Y/~~N~~

BSCP516 – draft redlined text (2 pages)