

Compliance and Protocol Approvals – Prometer 100 firmware amendment and SMS and Npower protocol approvals

Supplier Volume Allocation Group (SVG)

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Owner/author	Mike Smith	Purpose of paper	Information
Classification	Public	Document version	1.0
Summary	<p>This paper provides the SVG with details of a compliance approval for the Prometer 100 Meter type, following a change to its firmware. It also provides the SVG with details of protocol approvals for the PRI Premier Meter type and the Landis + Gyr ZMD/ZFD Meter types, for two Half Hourly Data Collectors.</p>		

1. Balancing and Settlement Code (BSC) requirements

- 1.1 [BSCP601](#)¹ sets out the processes for Meter manufacturers, Meter Operator Agents, Suppliers, Half Hourly (HH) Data Collectors and other HH Metering Equipment users to apply for compliance testing and protocol² approval. It covers:
 - the application process;
 - submission of Metering Equipment;
 - communications with the Compliance and Protocol Testing Agents;
 - amendments to existing approvals; and
 - issuing and removing Certificates of Compliance or Protocol Approval.
- 1.2 Each HH [Code of Practice](#) (CoP) (i.e. CoPs 1, 2, 3, 5, 6 and 10) requires Meters and Outstations to be tested for compliance in accordance with BSCP601. BSC Parties can apply, under [BSCP32](#)³, for a Metering Dispensation from any departure from the requirements of a CoP.
- 1.3 Each HH CoP also requires Outstation data to be to a format and protocol approved by the BSC Panel⁴ in accordance with BSCP601.

¹ 'Metering Protocol Approval and Compliance Testing'

² A protocol, in the context of an Outstation, is the set of rules (or language) governing the communication of data between the Outstation and any other device connected to it. The manufacturer of the Outstation usually designs the protocol.

³ 'Metering Dispensations'

⁴ Under the BSC Baseline Statement, the BSC Panel has delegated responsibility for BSCP601 to its BSC Panel Committees, the Supplier Volume Allocation Group and the Imbalance Settlement Group. Under BSCP601, since [CP1174](#) was implemented in June 2007, if compliance testing or protocol approval testing is successful, Elexon can issue a Certificate of Compliance or Protocol Approval to an applicant. Prior to June 2007 Elexon had to seek a decision from the relevant BSC Panel Committee before issuing Certificates of Compliance or Protocol Approval to an applicant.

2. Compliance Testing – Prometer 100 firmware amendment

- 2.1 Secure Meters (UK) Limited (Secure) has notified us of an amendment to the firmware (or CLEM) for the Prometer 100, integral Outstation, Meter types (P3E and R3E). The firmware version is changing from M6X8G05 to M6X8G0B. Secure has confirmed that the changes to the firmware do not affect compliance with CoP1⁵ Issue 2, CoP2⁶ Issue 4, CoP3⁷ Issue 5, CoP5⁸ Issue 6 and CoP10⁹ Issue 2. Secure has also confirmed that the protocol the Prometer 100 Meter types use has not been impacted.
- 2.2 The purpose of this paper is to advise the SVG that Elexon issued an updated Certificate of Compliance to Secure, for the Prometer 100 Meter types, in relation to CoP3 Issue 5, CoP5 Issue 6 and CoP10 Issue 2.
- 2.3 Under the [BSC Baseline Statement](#), the SVG is solely responsible for CoPs 5, 6, 7, 8, 9 and 10. Since the ISG is solely responsible for CoPs 1 and 2, and jointly responsible for CoP3, alongside the SVG, we will be presenting a similar paper to the ISG, at its meeting on 5 July 2022. We will let the ISG know we issued an updated Certificate of Compliance to Secure, for the Prometer 100 Meter types, in relation to CoP1 Issue 2, CoP2 Issue 4 and CoP3 Issue 5.

3. Protocol Approval – SMS Energy Services and the PRI Premier Meter type

- 3.1 In November 2021, SMS Energy Services Ltd (Market Participant ID (MPID): UPLH) applied for protocol approval of the PRI Premier, integral Outstation, Meter type, in accordance with BSCP601.
- 3.2 In May 2022, we witnessed the successful protocol testing and, as a result, we issued SMS Energy Services Ltd with a Certificate of Protocol Approval for the PRI Premier Meter type.

4. Protocol Approval – Npower Commercial Gas Limited and the Landis + Gyr ZMD and ZFD Meter types

- 4.1 In February 2022, Npower Commercial Gas Limited (MPID: NATP) applied for protocol approval of the Landis + Gyr ZMD and ZFD, integral Outstation, Meter types, in accordance with BSCP601.
- 4.2 In May 2022, we witnessed the successful protocol testing and, as a result, we issued Npower Commercial Gas Limited (NATP) with a Certificate of Protocol Approval for the Landis + Gyr ZMD and ZFD Meter types.

5. Updates and notifications

- 5.1 In May and June 2022, we:
- published an updated version of the '[CoP Compliance and Protocol Approval](#)' list to include:
 - the amended firmware version for the Prometer 100 Meter types;
 - the protocol approval for the PRI Premier Meter type, using SMS Energy Services Ltd (UPLH) as an HHDC; and
 - the protocol approval for the Landis + Gyr ZMD and ZFD Meter types, using Npower Commercial Gas Limited (NATP) as an HHDC.
 - published an updated version of the '[List of Valid Outstation Types](#)' to include the amended firmware for the Prometer 100 Meter types; and
 - issued a Newscast article notifying BSC Parties and BSC Party Agents of the amended firmware for the Prometer 100 Meter types; the protocol approval for the PRI Premier Meter type using SMS Energy Service Ltd (UPLH) as an HHDC; and the protocol approval for the Landis + Gyr ZMD and ZFD Meter types using Npower Commercial Gas Limited (NATP).

6. Recommendations

- 6.1 We invite the SVG to:
- a) **NOTE** we issued Secure Meters (UK) Ltd, a Meter manufacturer, with an updated Certificate of Compliance for the Prometer 100 Meter types, with the amended firmware version, in relation to Codes of Practice (CoP) 3 Issue 5, CoP5 Issue 6 and CoP10 Issue 2;

⁵ 'Code of Practice for the metering of circuits with a rated capacity exceeding 100MVA for Settlement purposes'

⁶ 'Code of Practice for the metering of circuits with a rated capacity not exceeding 100MVA for Settlement purposes'

⁷ 'Code of Practice for the metering of circuits with a rated capacity not exceeding 10MVA for Settlement purposes'

⁸ 'Code of Practice for the metering of energy transfers with a maximum demand of up to (and including) 1MW for Settlement purposes'

⁹ 'Code of Practice for the metering of energy via low voltage circuits for Settlement purposes'

- b) **NOTE** we will present a similar information paper to the ISG, at its meeting on 5 July 2022, noting we issued Secure Meters (UK) Ltd with an updated Certificate of Compliance for the Prometer 100 Meter types, with the amended firmware version, in relation to CoP1 Issue 2, CoP2 Issue 4 and CoP3 Issue 5;
- c) **NOTE** we issued a Certificate of Protocol Approval to SMS Energy Services Ltd (UPLH), an Half Hourly Data Collector (HHDC), for the PRI Premier Meter type;
- d) **NOTE** we issued a Certificate of Protocol Approval to Npower Commercial Gas Limited (NATP), an HHDC, for the Landis + Gyr ZMD and ZFD Meter types;
- e) **NOTE** we updated the 'CoP Compliance and Protocol Approval' list for the Prometer 100 firmware amendment; the protocol approval for SMS Energy Services Ltd (UPLH); and the PRI Premier Meter type and the protocol approval for Npower Commercial Gas Limited (NATP) for the Landis + Gyr ZMD and ZFD Meter types;
- f) **NOTE** we updated the 'List of Valid Outstation Types' to include the amended firmware version for the Prometer 100 Meter types; and
- g) **NOTE** we issued a Newscast article notifying BSC Parties and BSC Party Agents about the Prometer 100 firmware amendment and the protocol approvals for the PRI Premier and Landis + Gyr ZMD and ZFD Meter types.

For more information, please contact:

Mike Smith, Metering Analyst

mike.smith@elexon.co.uk

020 7380 4033