

Confirmation of CoP Compliance and Protocol Approval – Firmware update to the EM-Lite EMA1 integral Outstation Meter Type

Supplier Volume Allocation Group (SVG)

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Summary **EM-Lite Ltd, a Meter manufacturer, has notified Elexon about a firmware update to the EMA1 (integral Outstation) Meter type. It has confirmed that the firmware update does not impact compliance with Code of Practice 10 Issue 2 or the protocol the Meter type uses. We invite the SVG to note that we: issued an updated Certificate of Compliance to EM-Lite Ltd; updated the CoP Compliance and Protocol Approvals list; and informed industry via a Newscast article about this update.**

1. Background

- 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 BSCP32³, 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.
- 1.4 BSCP601, section 2.3, covers amendments to Metering Equipment (or data retrieval systems). Manufacturers of Meters or Outstations are required to notify Elexon of any amendments to Metering Equipment and agree the impact of those amendments. HHDCs are required to notify Elexon of any amendments to data retrieval systems and agree the impact of those amendments.

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. Firmware update for the EMA1 integral Outstation Meter type

- 2.1 In September 2021 EM-Lite Ltd notified us of an amendment to the EMA1 (integral Outstation) Meter type.
- 2.2 The amendment relates to a firmware update (v3.04-0) for the Meter type to add functionality (Attachment A).
- 2.3 EM-Lite Ltd has confirmed the EMA1 Meter type remains compliant with [CoP10 Issue 2](#)⁵, with the following firmware versions:
- v3.03-2 and v3.04-0
- 2.4 The software version for the EMA1 has remained unchanged (v3.20-4) so the metrology has not been affected.
- 2.5 From a Settlement perspective, the manufacturer has confirmed separately⁶ to Attachment A that the protocol (communication language) the EMA1 Meter type uses has not been impacted.

3. Updates and notifications

- 3.1 In September 2021, we:
- Published an updated version (v58.0) of the '[CoP Compliance and Protocol Approval](#)' list to include this updated firmware version; and
 - Issued a [Newscast](#) article ([871](#)) notifying BSC Parties and BSC Party Agents of this updated firmware version.

4. Recommendations

- 4.1 We invite the SVG to:
- a) **NOTE** we issued EM-Lite Ltd, a Meter manufacturer, with an updated Certificate of Compliance for the EMA1 integral Outstation Meter type, against Code of Practice 10 Issue 2;
 - b) **NOTE** we updated the '[CoP Compliance and Protocol Approval](#)' list to include this updated firmware version; and
 - c) **NOTE** we issued a Newscast article notifying BSC Parties and BSC Party Agents of this updated firmware version.

Attachments

Attachment A (CONFIDENTIAL) – Confirmation letter for EMA1 integral Outstation Meter type

For more information, please contact:

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⁵ 'Code of Practice for metering of energy via low voltage circuits for Settlement purposes'

⁶ 'The protocol for the meter has not been impacted at all and no changes have been made'