
Compliance Approvals – CP1527

Imbalance Settlement Group (ISG)

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Summary **This paper invites the ISG to note that EDM I Europe Limited (EDMI) and Landis+Gyr Ltd (L+G) have confirmed that their integral Outstation Meter types comply with the new Issues of CoPs 1, 2 and 3, where applicable. We will also take a similar information paper to the Supplier Volume Allocation Group to inform it that EDM I, L+G and Em-Lite Limited have confirmed that their integral Outstation Meter types comply with the new Issues of CoPs 3, 5 and 10, where applicable.**

1. Balancing and Settlement Code (BSC) requirements

- 1.1 [BSCP601](#)¹ sets out the processes for Meter Manufacturers, Meter Operator Agents, Suppliers, Asset Metering Virtual Lead Parties, Half Hourly Data Collectors (HHDCs), Asset Metering Half Hourly Data Collectors and other Half Hourly Metering Equipment or Asset Metering Equipment users to apply for compliance testing and protocol² approval.
- 1.2 Each HH [Code of Practice](#) (CoP) (i.e. CoPs 1, 2, 3, 5, 6, 10 and 11) requires Meters and Outstations to be tested for compliance in accordance with BSCP601.
- 1.3 Each HH CoP also requires Outstation data to be to a format and protocol approved by the BSC Panel³ in accordance with BSCP601.
- 1.4 Under the [BSC Baseline Statement](#), the ISG is solely responsible for CoPs 1 and 2, and jointly responsible for CoPs 3 and 4, alongside the Supplier Volume Allocation Group (SVG). The SVG is solely responsible for CoPs 5, 6, 7, 8, 9, 10 and 11.

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 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 Approvals – CP1527

- 2.1 [CP1527](#)⁴ changed CoPs [1](#)⁵, [2](#)⁶, [3](#)⁷, [5](#)⁸ and [10](#)⁹ to require Outstations to store 90 days of Half Hourly data per Outstation channel. It also changed CoPs 3, 5 and 10 to require Outstations to have selectable integration periods of 30, 20, 15, 10 and 5 minutes duration. Elexon implemented CP1527 on 30 June 2022 as part of the June 2022 BSC Release.
- 2.2 CP1527 incremented the Issue (and version) numbers of these CoPs, by one. This is because the CoPs require Meters and Outstations to be subject to Compliance Testing under BSCP601 and changes to certain Meter or Outstation requirements need to be confirmed:

CoP/Issue (Pre CP1527)	CoP/Issue (Post CP1527)	CoP responsibility
CoP1 Issue 2	CoP1 Issue 3	ISG
CoP2 Issue 4	CoP2 Issue 5	ISG
CoP3 Issue 5	CoP3 Issue 6	ISG/SVG
CoP5 Issue 6	CoP5 Issue 7	SVG
CoP10 Issue 2	CoP10 Issue 3	SVG

- 2.3 EDM I Europe Ltd (EDMI), Landis+Gyr Ltd (L+G) and Em-Lite Limited (Em-Lite) have applied for compliance testing against the new Issues of the CoPs relevant to their integral Outstation Meter types.
- 2.4 EDM I and L+G confirmed their integral Outstation Meter types already comply with the new Issues of the relevant CoPs (Appendices 1A and 2A).
- 2.5 Em-Lite confirmed its integral Outstation Meter type already had sufficient memory to extend the storage period to 90 days, for all integration periods. It also confirmed its integral Outstation Meter type already had 15 minute integration periods for other markets and it updated the integration periods to include the additional required periods. The firmware version for its Meter type has been updated from v3.04-2 to v3.04-5 to comply with CoP10 Issue 3 (Appendix 1C). This firmware change did not impact the protocol its integral Outstation Meter uses so, HHDCs will not have to go through Protocol Approval.
- 2.6 The purpose of this paper is to advise the ISG that we issued updated Certificates of Compliance to EDM I and L+G for their integral Outstation Meter types, in relation to CoP1 Issue 3, CoP2 Issue 5 and CoP3 Issue 6, where applicable.
- 2.7 Since the SVG is jointly responsible for CoP3 and solely responsible for CoPs 5 and 10, we will present a similar paper to the SVG, at its meeting on 7 March 2023. We will advise the SVG that we issued updated Certificate of Compliance to EDM I, L+G and Em-Lite for their integral Outstation Meter types, in relation to CoP3 Issue 6, CoP5 Issue 7 and CoP10 Issue 3, where applicable.

3. Updates and notifications on Compliance Approval related to CP1527

- 3.1 We recently published an updated version of the 'CoP Compliance and Protocol Approval' list. This reflects EDM I's and L+G's integral Outstation Meter types' compliance with the new Issue of the relevant CoPs.
- 3.2 We also issued Newscast articles notifying BSC Parties and BSC Party Agents of the integral Outstation Meter types' compliance with the new Issues of the relevant CoPs.

⁴ 'Increase the minimum data storage capacity for Settlement Outstations and mandate specific selectable integration periods for Metering Codes of Practice'

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'

4. Recommendations

4.1 We invite the ISG to:

- a) **NOTE** that Elexon has issued EDMl and L+G, Meter manufacturers, with updated Certificates of Compliance for their integral Outstation Meter types, against the new Issues of Codes of Practice (CoPs) 1, 2 and 3, where applicable;
- b) **NOTE** that Elexon has updated the 'CoP Compliance and Protocol Approval' list to include the EDMl and L+G integral Outstation Meter types as compliant with the new Issues of CoPs 1, 2 and 3, where applicable and issued Newscast articles; and
- c) **NOTE** that Elexon will present a similar information paper to the SVG, at its meeting on 7 March 2023, in relation to Elexon issuing EDMl, L+G and Em-Lite Certificates of Compliance for their integral Outstation Meter types, against CoP3 Issue 6, CoP5 Issue 7 and CoP10 Issue 3, where applicable.

Appendices

Appendix 1A - EDMl integral Outstation Meter types (relevant to ISG)

Appendix 1B - L+G integral Outstation Meter types (relevant to ISG)

Appendix 1C - Em-Lite integral Outstation Meter type (relevant to ISG)

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Appendix 1A – EDMI integral Outstation Meter types (relevant to ISG)

Integral Outstation Meter Type	Firmware	CoP/Issue (Post CP1527)
Mk10-1, 2, 3	v1.19	CoP3 I6, CoP5 I7, CoP10 I3
Mk10-3, 4	v1.36	CoP3 I6, CoP5 I7, CoP10 I3
Mk10	v1.19, v1.36, v1.366, v1.367 & v1.416	CoP3 I6, CoP5 I7, CoP10 I3
Mk10A	v1.366, v1.367, v1.416 & v1.417	CoP3 I6, CoP5 I7, CoP10 I3
Mk7B	v1.45, v1.505, v2.910, v2.911 & v2.912	CoP10 I3
Mk10D	v1.29, v1.36, v1.366, v1.367, v1.416, v1.417, v1.43, v1.45, & v1.464	CoP5 I7, CoP10 I3
Mk10E	v1.416 & v1.417	CoP2 I5, CoP3 I6, CoP5 I7, CoP10 I3
Mk10E	v1.366	CoP3 I6, CoP5 I7, CoP10 I3
Mk7A	v1.366, v1.367, v1.416 & v1.417	CoP10 I3
Mk7C	v1.29, v1.36, v1.366, v1.367, v1.416 & v1.417	CoP10 I3

Appendix 1B – L+G Meter integral Outstation types (relevant to ISG)

Integral Outstation Meter Type	Firmware	CoP/Issue (Post CP1527)
ZMD410CT44.xxx7 S3, S4 ZMD410CT44.xxx9 S3, S4 ZFD410CT44.xxx7 S3, S4 ZFD410CT44.xxx9 S3, S4	B31, B32 & B40	CoP3 I6, CoP5 I7, CoP10 I3
ZMD405CT44.xxx7 S3, S4 ZMD405CT44.xxx9 S3, S4 ZFD405CT44.xxx7 S3, S4 ZFD405CT44.xxx9 S3, S4	B31, B32 & B40	CoP2 I5, CoP3 I6, CoP5 I7, CoP10 I3
ZMD402CT44.0457 S3, S4 ZMD402CT44.0459 S3, S4 ZFD402CT44.0457 S3, S4 ZFD402CT44.0459 S3, S4 ZMD402CT44.0467 S3, S4 ZMD402CT44.0469 S3, S4 ZFD402CT44.0467 S3, S4 ZFD402CT44.0469 S3, S4	B31, B32 & B40	CoP1 I3, CoP2 I5, CoP3 I6, CoP5 I7, CoP10 I3
ZMD310CT44.xxx7 S3a, S4 ZMD310CT44.xxx9 S3a, S4	B31, B32 & B40	CoP5 I7, CoP10 I3

Appendix 1C – Em-Lite integral Outstation Meter type (relevant to ISG)

Integral Outstation Meter Type	Firmware	CoP/Issue (Post CP1527)
EMA1.*	V3.04-5	CoP10 I3