

Standing Issue

Non Half Hourly Interoperability Issue

Issue: 46

*(mandatory
by BSCCo)*

Submission Date:

Background:

Advanced Metering is defined as a Meter, which either on its own or with an ancillary device, stores measured electricity consumption data for multiple time periods; and provides remote access to such data by the licensee.

ELEXON investigated interoperability issues for sites with Advanced Metering at an interoperability workshop in September 2008, and with the Advanced Metering Expert Group (AMEG) we developed the Advanced Metering Operational Framework: Profile Classes 5 – 8. The purpose of the framework is to facilitate effective market operation and interoperability for Profile Classes 5-8.

The Supplier Volume Allocation Group (SVG) endorsed the framework in November 2008, which has since been implemented via a number of Change Proposals (CP's) and approved Modification Proposal P230 'Enabling Interoperability through the use of CoP10 and CoP5 Metering'.¹

Description of Issue:

The SVG approved CP1350 'Clarifying Meter Technical Details relating to Metering Systems that can be read remotely'² at their meeting on the 1 November 2011.

During the meeting some SVG Members expressed wider concerns around issues with interoperability in the Non Half Hourly (NHH) market and noted that the CP1350 solution did not take into account issues arising from using (or changing between) communication methods such as Short Message Service (SMS), Global System for Mobile Communications (GSM) or General Packet Radio Service (GPRS). The SVG also noted that the seamless transfer of assets, or information about those assets, to enable data collection is becoming increasingly difficult in the NHH Market.

An SVG member noted that the uptake of smart Metering, with the Data & Communications Company (DCC) as sole Data Collector, would go some way to resolving these issues. Additionally, the SVG contended that it was unknown what impacts would be associated with the new non-BSC Smart Metering System Operator (SMSO).

¹More information on P230 can be found on the P230 page of the ELEXON website, [here](#).

²The solution for CP1350 was built upon the previously implemented CP1335 'Mandating use of Auxiliary Meter Technical Details Data flow'. CP1335 was raised to support commercial interoperability under the roll out of advanced Meters for Profile Classes 5 to 8. CP1350 introduced a requirement for the old Meter Operator Agent (MOA) to provide the new MOA, on change of MOA, with sufficient data to allow the new MOA to fully operate all the remote functionality of the Meter. This information would be provided using the D0313 'Auxiliary Meter Technical Details' data flow.

The SVG asked ELEXON to investigate these concerns, requesting that ELEXON consider what lessons can be learnt from the Half Hourly (HH) market in terms of, for example, Meter and protocol approval.

ELEXON presented the current (and proposed) mechanisms for delivering technical interoperability to the SVG at their meeting on the 5 February 2013³. We considered interoperability in terms of continuity of Settlement performance for remotely read Meters, following a CoS or CoA. We have looked at what is required to keep a Meter 'smart' on a CoS or CoA to the extent that the Data Retriever can continue to read the Meter remotely.

We suggested that NHH processes could be strengthened by introducing protocol testing for advanced Meters in Profile Classes 5 to 8. It was also suggested that a change be raised to clarify the rules for Outstation Protocol approvals where HH Metering Equipment is used for NHH Metering Systems.

The SVG agreed that ELEXON should form an Issue Group to look at all the issues associated with interoperability in the NHH Market, including the role of the new non-BSC Smart Metering System Operator (SMSO).

Details of the Proposer

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³More information on this meeting, including the approved minutes, can be found on the SVG144 page of the ELEXON website, [here](#).