



PEG's recommendation to use default profiling data from September 2013

Meeting Name Supplier Volume Allocation Group

Meeting Date 30 July 2013

Purpose of paper For Decision

Summary

The Profiling Expert Group (PEG) met on 14 June 2013. The PEG discussed a number of issues identified in the latest Group Average Demand (GAD) data that was intended to be used for the Autumn and Winter Technical Product Deliverables (TPDs) from September 2013. ELEXON's Data Analyst has provided the out-turn data to the PEG which clearly shows an issue with the data. The PEG has considered the data and unanimously recommends to the SVG that the data should be defaulted to the existing Market Domain Data (MDD). This paper also gives an update on the data issues and the work being undertaken to resolve these and prevent further issues.

1. Introduction

- 1.1 The PEG is an SVG-appointed expert group that reviews data and looks at issues related to profiling. The PEG reviews the GADs (matrices of demand in kW for each Profile Class) and the TPDs (Regression Coefficients and default Profile Coefficients that are loaded into MDD). These reviews are intended to ensure that all profiling data is suitable for Settlement. If not, the SVG has agreed previously that the fall-back process is to default to the existing data in MDD (or a version thereof if bank holiday adjustments are required).
- 1.2 The PEG has considered a number of issues with the current data and recommends that the data is defaulted to the existing data in MDD (as there are no movable bank holidays in the period under consideration). ELEXON and its Data Analyst are working with the Data Gatherer and Sample Manager (DGSM) to understand the root causes of the issues, resolve them and put processes in place to prevent future re-occurrence.

2. The issues

- 2.1 ELEXON's Data Analyst identified an issue with the data that they had produced for the initial GADs. These initially appeared to be Clock Change issues, as they affected all Profile Classes. The data was roughly 'clock' changed and provided to the PEG for review while further investigation was undertaken. This identified another issue with switched load in Profile Class 2 which was occurring at unexpected times.

- 2.2 Unusual spikes in the data (as opposed to spikes that are normally picked up in validating the data) were identified. These fall on 1 January, February and March (some December) and many are at 21:30. The fact that a lot of these issues occur at the beginning of a month, at the same time and with round values, indicated that this was a system problem rather than a data problem. These spikes were removed from the data as part of the normal validation process but they indicated that not all was right with the data.

3. The PEG's deliberations

- 3.1 Before the PEG meeting, a PEG Member identified similar concerns with the data. ELEXON indicated to the PEG that the timescales were too short to unpick the issues with the data. However, the PEG agreed that the Data Analyst should progress the initial stage of Profile production into Regression Coefficients to assess the extent to which the issues might average out in the final data set.
- 3.2 The Data Analyst produced the regression data which showed a clear misalignment of the data. Shifting the data by half-an-hour in either direction actually looked worse. This suggests that the misalignment issues only affect some of the underlying data in each Profile Class.
- 3.3 The PEG unanimously agreed that the best thing to do was to recommend that the data be defaulted and to concentrate on resolving the issues in the 'live' period (data being collected from 1 April 2013) that will be the subject of the next analysis. The Data Analyst was then asked to concentrate on helping the DGSM with pin-pointing the affected data/sample participants.
- 3.4 Defaulting to the existing dataset is unlikely to cause any issues for Settlement since the latest data compares well with the existing data, barring the alignment issues identified.

4. The DGSM's analysis of the issues

- 4.1 The DGSM has undertaken a re-dial of some Meters identified by the ELEXON Data Analyst as contributing to the issues. The DGSM has confirmed that the re-dialled data matches that in their data store. However, the data does not match the data loaded into the Enhanced Profile Administration System (EPAS) that is used to produce the profiling deliverables. This implies that there is an error in the conversion software that takes the data from the DGSM data store and converts it into the standardised 'rapiload' format required by EPAS. The DGSM IT department is now looking more closely at the issue.
- 4.2 ELEXON is working with the DGSM to resolve the issues and prevent reoccurrences. The DGSM will be providing a resolution plan and timetable. A lessons learned workshop will be held following the resolution to these issues.

5. Recommendations

- 5.1 ELEXON invites the SVG to:
- a) **NOTE** the issues with the Profile data;

- b) **AGREE** that the data is defaulted to the existing data in MDD, noting that it will not require updating; and
- c) **NOTE** the on-going work to resolve these issues.

List of Appendices:

None

List of Attachments:

None

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