

CP1397

About this document:

This is an Assessment Consultation document, which provides details of the background, solution, potential impacts and costs associated with CP1397 'Improvements to the Balancing Mechanism Reporting System (BMRS) Electricity Summary Page – Indicative Triad Demand Information tables'. This document is for information only, to be used in line with the Consultation Response form, to which this document is attached.

1. Why Change?

Background

For each winter period (November-February) National Grid calculate the three Settlement Periods of highest Transmission System demand within a Financial Year. These three demand peaks are commonly referred to as the 'triad' demand peaks.

The [Balancing Mechanism Reporting System \(BMRS\)](#) – '[Electricity Data Summary](#)' page currently provides two tables of 'Indicative Triad Demand Information'.

- The first table, which the new Change Proposal (CP) is focused on, shows the three Settlement Periods of highest demand in the triad period (between November and February) since the start of the triad period (i.e. the beginning of November). As new operational metering data is obtained and used to calculate the data, the table is updated throughout the triad period. In between triad periods (March and October) it shows the three Settlement periods of highest demand in the previous triad period.
- The second table provides the Highest Forecast Demand. Between November and February, the table shows the three highest demand peaks in the remainder of the triad period (up to the end of February). This forecasted demand is, as explained in the information 'tab' is based on the 2-52 week ahead demand forecast data. Between March and October it shows the three highest demand peaks for the next triad period, based on the 2-52 week ahead demand forecast. Due to the table using source data that is a produced weekly rather than daily, the 10 clear day rule cannot be applied. Instead an approximation of it used where demand peaks in non-consecutive weeks are shown.

What is the issue?

The existing top table showing highest demand in a triad period currently uses operational metering rather than Settlement metering data, to calculate the three triad demand peaks. This can mean the 'Indicative Triad



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Demand Information' data provided in the top table can differ from the definitive triad demand data, which is published by [National Grid](#) in March each year following the end of each triad period. Where the two do differ, this can cause users issues with winter forecasting.

Therefore npower has raised this CP to expand the triad data currently published to include Indicative Triad Demand Information data with the calculation based on Settlement metering data.

2. Solution

This CP proposes to clarify and expand the existing 'Indicative Triad Demand Information' data that is provided on the BM Reports, 'Electricity Data Summary' page.

The CP proposes the following changes:

- Create a new 'Indicative Triad Demand Information (using Settlement metering data)' table

Create a new table using Settlement metering data contained within the SAA-I014 'Settlement Reports' flow¹ to provide an indication of the three Settlement Periods of highest demand in the triad period so far since the start of the winter period (November).

The table will have the same format as the existing table showing the 'Date', 'Demand' and 'Time of Peak' with the data being updated daily throughout the triad period.

To support the new table, it is proposed that an information 'tab' be added, which will:

- explain what information is provided in the table;
- how the data is calculated; and
- include clear hyperlinks to where National Grid publish the definitive triad demand information' in March each year.

- Rename the existing 'Indicative Triad Demand Information' Table as 'Indicative Peak Demand Information (using Operational Metering data)'

Rename the existing 'Indicative Triad Demand Information' table to 'Indicative Peak Demand Information (using Operational Metering data)'. This will:

- distinguish it from the proposed new table; and
- make it clear that the peak demand information it provides is based on operational metering, whereas the new table will use more accurate Settlement metering as used by National Grid to

¹ The version of the SAA-I014 flow that will be used is the SAA-I014 sub flow 2. This version of the SAA-I014 is the same one sent to the System Operator, the data in which is used to calculate the definitive triad demand peaks.



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calculate the definitive triad demand data.

- Amend the current information tab

It is proposed that minor amendments are made to the current information tab to:

- reflect the change of table name and the information it provides; and
- make the existing hyperlinks clearer, to aid users in navigating to where National Grid publish the definitive triad demand information and the details of how the data is calculated in accordance with the Statement of the Use of System Charging Methodology.

Question 1

Do you agree with the proposed change?

3. Impacts and Costs

Potential Central Impacts and Costs

The CP will amend the NETA Interface Definition and Design (IDD) documentation. This is to capture the BMRA as a recipient of the SAA-I014 flow so that they can then calculate and then publish the Settlement metering based indicative triad data in the new 'Indicative Triad Demand Information (using Settlement metering data)' table.

The following changes are required to the NETA IDD documentation:

- NETA IDD Part 1 – Interfaces with BSC Parties and their Agents: Amendments are needed to capture BMRA as a recipient of the SAA-I014 flow. The required redlined changes are provided in Attachment B.
- NETA IDD Part 1- Interfaces with BSC Parties and their Agents (spreadsheet): Amendments are needed to support and reflect the changes to the NETA IDD Part 1 and 2. The required redlined changes are provided in Attachment C.
- NETA IDD Part 2 – Interfaces to other Service Providers: Amendments are needed to capture the BMRA as a recipient of the SAA-I014 flow. The required redlined changes are provided in Attachment D.

Potential Impacts

Document Impacts	System Impacts
NETA IDD Part 1	BMRS
NETA IDD Part 1 spreadsheet	SAA



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Potential Impacts	
Document Impacts	System Impacts
NETA IDD Part 2	

Implementation costs

- The total estimated implementation costs for the CP is:

ELEXON Costs		
ELEXON effort	System Changes	Total
21 Man Days effort which equates to £4,200	£61,000 (to amend the BMRS and SAA systems)	£65,200

Potential Party Impacts and Costs

The existing triad demand information can be misleading due to the source data being used. By adding the new Settlement metering data based table, the information providing on the 'Electricity Data Summary' page will:

- provide extra clarity;
- remove confusion; and
- provide BMRS users with greater confidence when comparing the indicative triad data against the definitive triad data published by National Grid.

As the triad period progresses and approaches the end of the winter period at the end of February, the data in the proposed new table should become more closely aligned with the likely final definitive triad dates. This is in contrast to the current operational metering based information.

While the actual triad data can already be derived by industry parties using the data in the SAA-I014 flow, this change will remove the need for individual parties to make their own assessment as this will be done centrally and published on the 'Electricity Data Summary' page on the BMRS. Thus this change may benefit smaller Suppliers and indeed larger consumers if they are actively involved in monitoring consumption during triad periods. It will also allow parties to quantify potential future liabilities thus allowing them to better manage their cash flow.

The proposed changes may benefit the customer:

- Where they utilise the 'Indicative Triad Demand Information' on the Electricity Data Summary Page allowing them to make a more accurate forecast;



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- During March to October the 'Electricity Data Summary' page will show the triad peaks from the previous triad period and include when they occurred. These published triad peaks from the previous winter period will be more accurate, so customers will have more accurate data (in terms of what the actual peak demand was and when) to inform their future triad avoidance within the next winter period; and
- Reduce the Supplier costs associated with resolving customer queries relating to triad demand data as a result of the current data not aligning closely with the definitive data.

Finally the changes will clarify the approach and data source for the information currently provided.

Question 2

Is your organisation impacted?

Question 3

How is your organisation impacted?

Question 4

What are the associated costs on your organisation to implement this change?

4. Implementation Approach

CP1397 is targeted for implementation on 26 June 2014 as part of the June 2014 BSC Release.

Question 5

Do you agree with the implementation approach? If not, why?

Question 6

Do you have any other comments?

5. ISG Initial Views

ELEXON presented the New CP Progression paper for CP1397 to ISG at its 27 August 2013 meeting.

The ISG had no initial views on the CP or any specific questions for the CP1397 industry IA. However, it did have a few questions that were answered during the meeting.

An ISG Member queried if the new 'Indicative Triad Demand Information' table will be updated when a new Settlement Run takes place. ELEXON confirmed that the indicative triad demand information in the proposed new table will be updated throughout the winter period as new Settlement metering data becomes available.



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An ISG Member noted that the indicative triad data can be derived from snapshots of the real demand data and suggested to include this warning message on the relevant BMRA page. ELEXON confirmed that such warnings will be provided in the 'Information tab' on the new table, much in the same way as it is for the existing 'Indicative Triad Demand Information' table that is based on operational metering data.

An ISG Member questioned if the BMRA will be doing the calculation instead of National Grid. ELEXON confirmed that BMRA will be doing the same calculation as National Grid but on a rolling daily basis throughout the winter period with the data in the table updated daily. The new table will not replace the Definitive Triad Demand data that National Grid will calculate and publish in March at the end of each winter period. The data published in the proposed new table will be calculated using the same method used by National Grid and will make use of the data contained in the SAA-I014 'Settlements Report' dataflow, to which no changes will be made.

An ISG Member questioned about the difference in terms of accuracy between operational metering and Settlement metering data. Another member responded that there is not much difference, except that operational metering provides real time readings and Settlement Metering provides periodical readings.

Attachments:

Attachment A – CP1397 form

Attachment B – NETA IDD Part 1 redlined v0.2

Attachment C – NETA IDD Part 1 spreadsheet redlined v0.1

Attachment D – NETA IDD Part 2 redlined v0.1

For more information, please

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