

Change Proposal – F40/01

CP No: 1090

Version No: 2.0

Title: Provision of Actual Energy values on a Settlement Day basis for PARMS

Description of Problem/Issue

The current Supplier Charge rules in Annex S-1 of the BSC treat Supplier serials SP08a, b and c differently in the calculation of their chargeable MWh values. While the performance of SP08a is required to be monitored and charged on a Settlement Day basis, SP08b and SP08c are only required by the Code to be monitored and charged based upon monthly energy totals.

This data is received by the Performance Assurance Reporting and Monitoring System (PARMS) in a single report from the Supplier Volume Allocation Agent (SVAA) each month, with the data broken down by Supplier, GSP Group, Settlement Day and Settlement Run Type. For each of the three serials, the report lists the following:

- percentage of energy settled on actual data;
- percentage of Metering Systems settled on actual data; and
- total energy (actuals + estimates).

As part of the work on P99 Supplier Charge reversion (as well as discussions on possible future changes under P157 'Replacement of current Supplier Charges rules'), it has been identified that the accuracy of the performance percentage calculations for the monthly-based serials SP08b and SP08c may not meet the strict requirements of the Code.

At present, the generation of monthly values from the current set of SVAA data involves the following steps:

1. Deriving the MWh value of actual energy for each Settlement Day by taking the daily percentage of actuals and multiplying by the total daily energy;
2. Summing up the actual MWh values for all Settlement Days in the reporting month;
3. Dividing the sum of actuals by the sum of daily energy totals to produce a monthly percentage of energy settled on actual data.

The calculations described in sections 2.2.5 and 2.2.9 of Annex S-1 of the Code only involve the last of the three steps above. With all energy values being provided to 2 decimal places, and the percentage values each provided to 1 or 2 decimal places (subject to CP1071 – Amendment of SVAA and PARMS to correct Decimal Place Issue) it could be argued that the accuracy of the current performance percentage calculation carried out by PARMS is less than that originally intended by the Code.

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Proposed Solution(s) *(mandatory by originator)*

Data should continue to be provided at the Settlement Day level in order to accommodate Change of Supplier and Trade Sale events occurring within a reporting period. However, to enable monthly energy values and percentages to be determined as accurately as possible, it is proposed to add, for each serial, an additional data item to the SP08 report containing the absolute value (in MWh) of energy settled on actual data for each Settlement Day. This additional information would remove the first step from the calculation described above and serve reduce the level of error inherent in the determination of the monthly performance percentage.

In order to allow for synchronisation with PARMS developments, it is required that the change to the SP08 report provided by SVAA be switchable, i.e. after implementation the original version of the report will continue to be provided until PARMS is able to receive and load the new version.

Justification for Change *(mandatory by originator)*

There is a risk that the calculation described in the 'Description or Problem/Issue' section of this CP may be regarded as being not fully compliant with the Code. Instead of using monthly energy totals received direct from SVAA as implied by Annex S-1 of the BSC (the A_{HZ} values in sections 2.2.5 and 2.2.9), PARMS takes the daily percentage data for SP08b and SP08c and effectively re-calculates the original actual energy values in order to calculate a monthly performance percentage from first principles. While the final figure generated by PARMS is generally reflective of the calculation required by the Code, the slight variation in the way in which PARMS has reached that figure creates a risk that the accuracy of the results may be challenged.

The changes proposed in the previous section would provide full compliance with the Code and would increase the accuracy of the Supplier Charge calculations for serials SP08b and SP08c. They would also enable the Actual Energy values for all SP08 serials (including the daily SP08a) to be used with greater confidence in future Supplier Charge methodologies, for example those currently proposed by P157, in which a monthly market average performance would be used to determine those Suppliers qualifying for receipt of redistributed charges.

Configurable Items Potentially Affected by Proposed Solution(s)

SVAA Pool Application
P99 PARMS application
BSCP533 File Formats

Impact on Core Industry Documents

None

Related Changes and/or Projects

CP1071, P157

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Requested Implementation Date By February 2005 if possible, otherwise June 2005. Reason: Following a period of delay, historic Supplier Charges are gradually being caught up, with three months of Supplier Charges being periodically presented to the Performance Assurance Board each month for approval. It is estimated that Supplier Charges for reporting periods from May 2004 are likely to be caught up by around February 2005, therefore the changes proposed by this CP should be implemented and the necessary data regenerated and reloaded before PARMS is required to carry out a Supplier Charge run for P99 reporting periods.	
Agreed Release/Implementation Date <i>(mandatory by BSCCo)</i>	
Originator's Details: BCA Name Organisation <i>ELEXON</i> Email Address Date <i>03/10/04</i>	
Attachments: BSCP533 File Formats – Modified extract for Serial SP08	

5.14 SP08 – Energy and MSIDs on Actuals

ZHD - File Header			
Field	Field Name	Type	Comments
1	Record Type	text(3)	= ZHD
2	File Type	text(8)	= P014500 2 ⁴
3	From Role Code	text(1)	= G (SVAA)
4	From Participant Id	text(4)	= CAPG
5	To Role Code	text(1)	= Z (Non-Core - PA Administrator)
6	To Participant Id	text(4)	= POOL
7	Creation Time	date/time	Date & time of file generation
SUB - Subject Participant Header			
Field	Field Name	Type	Comments
1	Record Type	text(3)	= SUB
2	Market Sector	text(1)	= B (indicates HH and NHH data)
3	Market Participant Role Code	text(1)	= X (Supplier)
4	Market Participant Id	text(4)	ID of Supplier
5	Period End Date	date	Date of last day of calendar month
6	Periodicity	text(1)	'M'onthly
SP8 Supplier Serial 8 Data			
Field	Field Name	Type	Comments
1	Record Type	text(3)	= SP8
2	Settlement Day	date	
3	Settlement Type	text(2)	SF, R1, R2, R3 and RF run types
4	GSP Group Id	text(2)	
5	% NHH Energy Aggregated on Actuals	dec(4,1)	
6	% NHH MSIDs Aggregated on Actuals	dec(4,1)	
7	Total NHH Energy	dec(10,2)	
98	% non-100kW HH Energy Aggregated on Actuals	dec(4,1)	
109	% non-100kW HH MSIDs Aggregated on Actuals	dec(4,1)	
11	Total Actual non-100kW HH Energy	dec(10,2)	
1240	Total non-100kW HH Energy	dec(10,2)	
7	<u>Total Actual NHH Energy</u>	<u>dec(10,2)</u>	
87	Total NHH Energy	dec(10,2)	
98	% non-100kW HH Energy Aggregated on Actuals	dec(4,1)	
109	% non-100kW HH MSIDs Aggregated on Actuals	dec(4,1)	
11	<u>Total Actual non-100kW HH Energy</u>	<u>dec(10,2)</u>	
1240	Total non-100kW HH Energy	dec(10,2)	

1314	% 100kW HH Energy Aggregated on Actuals	dec(4,1)	
1412	% 100kW HH MSIDs Aggregated on Actuals	dec(4,1)	
<u>15</u>	<u>Total Actual 100kW HH Energy</u>	<u>dec(10,2)</u>	
1316	Total 100kW HH Energy	dec(10,2)	

Backus-Naur Form:

Energy and MSIDs on Actuals ::= ZHD {SUB {SP8}} ZPT