CP Progression – CP1356

Meeting Name	Imbalance Settlement Group (ISG)
Meeting Date	22 November 2011
Purpose of paper	For Decision
Summary	This report provides details of the background, solution, impacts and industry views of CP1356 'Demand BM Unit Aggregation Rule Example for BSCP75'. The ISG is requested to consider the report and to reach a decision on whether to approve the CP.

1. Why Change?

1.1 Background

1.1.1 Under Section R of the Balancing and Settlement Code (BSC), Parties are required to submit Aggregation Rules to the Central Data Collection Agent (CDCA) to determine Metered Volumes. Aggregation Rules describe how Import and/or Export Active Energy metered data is to be aggregated so that, for any Settlement Period, the Metered Volume of a Volume Allocation Unit (VAU) can be calculated.

1.1.2 BSCP75 'Registration of Meter Aggregation Rules for Volume Allocation Units' defines the process for submitting Aggregation Rules to the CDCA and Appendix 4.1 of BSCP75 gives examples of typical configurations and Aggregation Rules for Volume Allocation Units.

1.2 What is the issue?

1.2.1 A Trading Dispute was recently raised when an incorrect Aggregation Rule for a demand-only BM Unit was submitted by a BSC Party and validated by the CDCA. The dispute highlighted that the examples provided in BSCP75 Appendix 4.1 typically assume that BM Units will comprise both generation and demand and the Aggregation Rules will net these volumes off, that is:

VAU Metered Volume = Active Export volumes (AE) – Active Import volumes (AI)

1.2.2 Demand-only BM Units are set up to capture AI volumes only. In the case of the Dispute the BSC Party submitted an Aggregation Rule containing only the AI term but failed to ensure that the result of the Aggregation Rule was a negative quantity. As a result the BSC Central Systems allocated the resulting positive Metered Volumes to the appropriate BSC Party's Production Energy Account instead of their Consumption Energy Account.

1.2.3 Following the Aggregation Rule format (i.e. AE minus AI) the BSC Party should, because the AE volumes for this BM Unit were zero, have submitted an Aggregation Rule of the form:

VAU Metered Volume = 0 – AI volumes

1.2.4 This would produce the correct negative value to indicate imported volumes and hence BSC Central System would correctly allocate the Metered Volumes to the appropriate BSC Party's Consumption Energy Account.

2. Solution

2.1 CP1356 'Demand BM Unit Aggregation Rule Example for BSCP75' was raised by ELEXON on 30 September 2011.

2.2 It proposes to include an example of an Aggregation Rule for a demand-only BM Unit into Section 4.1 of BSCP75. Please see the attached redlining (Attachment A) for the example.

3. Industry Views

3.1 CP1356 was issued for participant Impact Assessment via CPC00702. We received 8 responses of which 4 agreed and 4 were neutral.

3.2 The breakdown of responses is shown in the following table and the full collated participant responses to CP1356 are available on the ELEXON website here.

Respondent Role	Respondent Support		
	Yes	No	Neutral
LDSOs	-	-	1
DC/DA/MOA	1	-	1
Suppliers	2	-	-
Distributors	1	-	-
Mixed (i.e. two or more of Supplier, Generator, Trader, Party agent or Distributor)	-	-	2
Total	**4**	**0**	**4**

3.3 No respondents were against the changes proposed in CP1356. No respondents made any specific points in their response.

3.4 Comments on the Proposed Redlining

3.4.1 No comments were received on the proposed redlined changes to BSCP75.

4. Intended Benefits

4.1 Providing this example in BSCP75 will make it clearer for BSC Parties submitting Aggregation Rules for demand-only BM Units as to how these rules should be formulated. It will also provide guidance to the CDCA when validating such rules and should help prevent Metered Volumes being incorrectly allocated.

5. Impacts and Costs

5.1 The following table summarises the ELEXON effort required to implement CP1356. The implementation of CP1356 would have no impact on any Market Participants.

Market Participant	Cost/Impact	Implementation time needed
ELEXON (Implementation)	1.5 man days, equating to £360	June 2012 Release is suitable
All Market Participants	No Impact	June 2012 Release is suitable

6. Implementation Approach

6.1 CP1356 would be implemented on **28 June 2012** as part of the June 2012 BSC Systems Release. This change has been recommended by the Trading Disputes Committee (TDC) to be part of the next available BSC Systems Release date.

7. Recommendations

7.1 We invite you to:

a) **AGREE** the proposed amendments to BSCP75; and

b) **APPROVE** CP1356 for implementation on 28 June 2012, as part of the June 2012 Release.

Attachment:
Attachment A – BSCP75 redlining

For more information, please contact:
David Kemp, Change Analyst
david.kemp@elexon.co.uk
020 7380 4303

Redlined BSCP75 Registration of Meter Aggregation Rules for Volume Allocation Units changes for CP1356 Demand BM Unit Aggregation Rule Example for BSCP75

The CP proposes changes to BSCP75: Insert 4.1.17 Demand BM Unit, into Appendix 4.1

We have redlined these changes against version 12.0 of the BSCP.

4.1.16 Below are the same arrangements as in the example in section 4.1.15 except the offshore cable to platform 2 has been disconnected for maintenance purposes. The bus section switch has been closed so that the output from BM Unit 2 can be routed via BM Unit 1. In order to reflect the changes to the BM Unit configurations new aggregation rules are required. As the aggregation rules for this new arrangement have already been pre-submitted the Registrant has activated the alternative aggregation rules by submitting BSCP75/4.4 Form.

Aggregation Rules

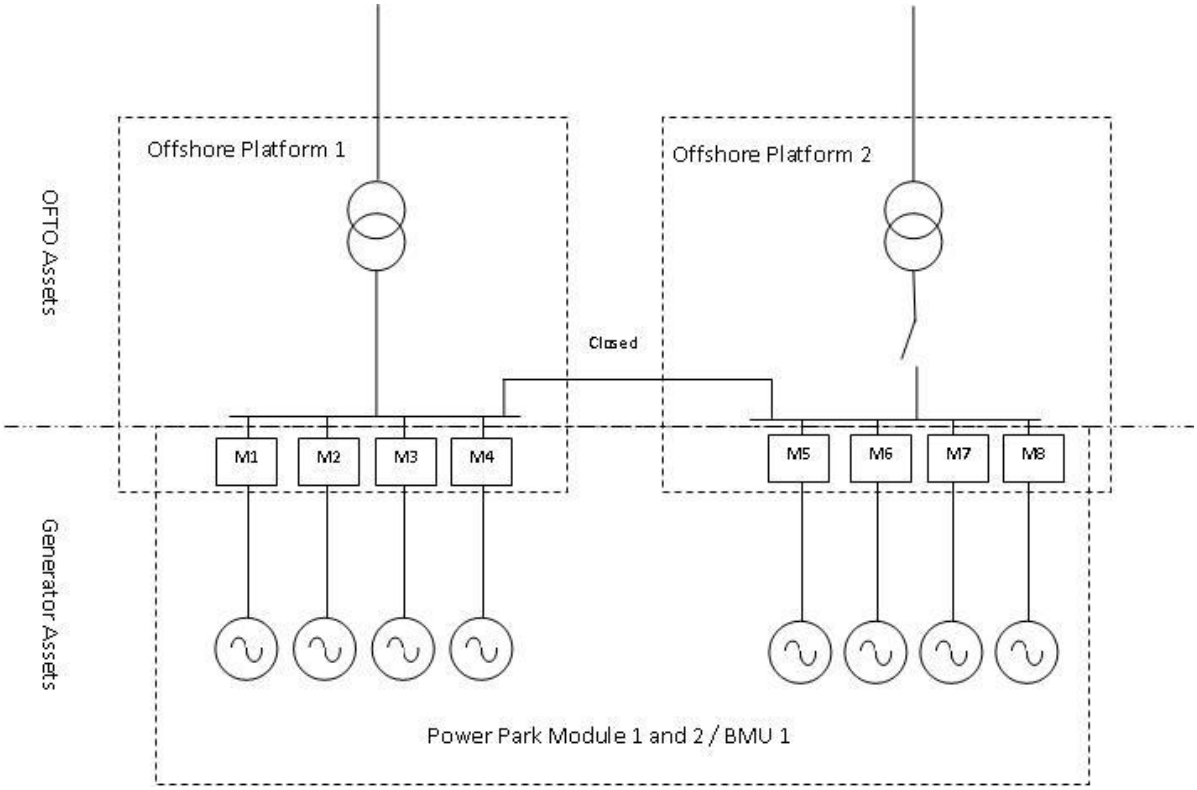
BM Unit 1 = [1234.RED1.AE – 1234.RED1.AI] + [1234.RED2.AE – 1234.RED2.AI] +

[1234.RED3.AE – 1234.RED3.AI] + [1234.RED4.AE – 1234.RED4.AI] +

[1234.RED5.AE – 1234.RED5.AI] + [1234.RED6.AE – 1234.RED6.AI] +

[1234.RED7. AE – 1234.RED7.AI] + [1234.RED8.AE – 1234.RED8.AI].

BM Unit 2 = 0.



4.1.17 Demand BM Unit

Below is a simplified example of a premises owned and operated by Star Company which is connected directly to the Transmission System. Since the premises has no on-site generation the Registrant wishes to register the premises as a single demand BM Unit (BM Unit 1). A Meter has been installed at the Boundary Point and has an integral Outstation which is registered in CMRS as a single Metering System with

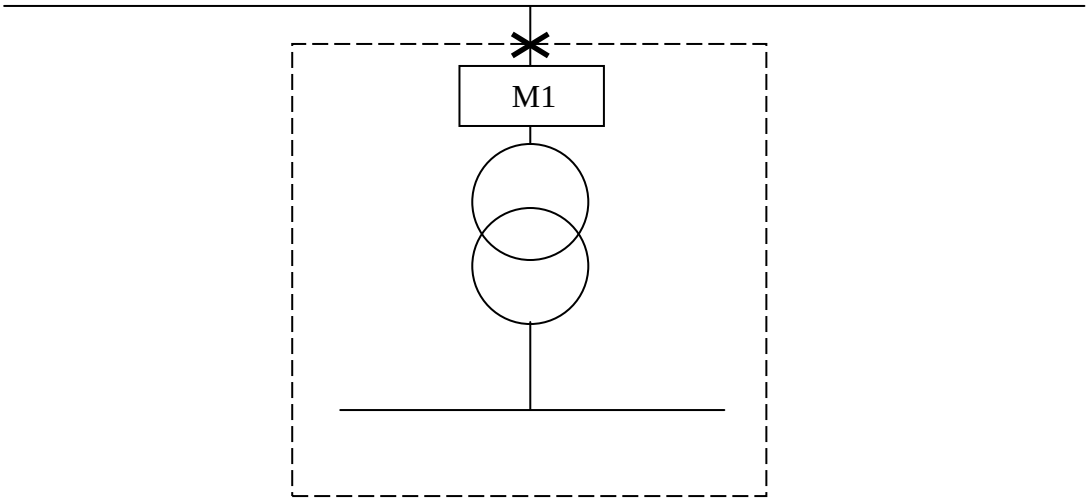
MSID 1234. The physical Meter (M1) is the metering subsystem referred to as STAR1.

For this example, one Aggregation Rule needs to be submitted to calculate the Metered Volumes associated with the demand BM Unit. Since there is no on-site generation the Active Energy Meter is only set up to record Active Import volumes (AI). Active Export (AE) is therefore zero in the Aggregation Rule. It should be noted that the zero (representing AE) must be accounted for in the Aggregation Rule in order to produce the correct sign (i.e. a negative Metered Volume) for the Metered Volumes for this BM Unit.

Aggregation Rule

BM Unit 1 = [0 – 1234.STAR1.AI]

New diagram inserted below



BM Unit 1