

CP1397 'Improvements to the Balancing Mechanism Reporting System (BMRS) Electricity Summary Page – Indicative Triad Demand Information tables'

CP1397 proposes changes to NETA IDD Part 2, Sections 3.1.1, 3.1.5, 5.21, 7.43 and the addition of a new 9.47, to reflect that the BMRA will be a recipient of the SAA-I014 data flow.

We have redlined changes against NETA IDD Part 1 Version 28.0

No changes to Section 1.0-3.1.

3.1.1 BMRA Interfaces

Agent-id	Name	Dir'n	User	Type
BMRA-I002	Balancing Mechanism Data	from	SO	Electronic data file transfer, NGC File Format
BMRA-I003	System Related Data	from	SO	Electronic data file transfer, NGC File Format
BMRA-I007	SAA/ECVAA Balancing Mechanism Data	to	SAA (I003) ECVAA (I048)	Electronic data file transfer
BMRA-I011	Performance Reports	to	BSCCo Ltd	Manual
BMRA-I012	System Parameters	from	BSCCo Ltd	Manual
BMRA-I013	BMRA BSC Section D Charging Data	to	BSCCo Ltd	Manual
BMRA-I014	Price Adjustment Data	from	SO	Automatic
BMRA-I016	Receive Market Index Data Provider Thresholds	from	BSCCo Ltd	Manual
BMRA-I017	Report Market Index Data Provider Thresholds	To	BSCCo Ltd	Manual
BMRA-I018	Publish Credit Default Notices	from	ECVAA (I036)	Electronic data file transfer
BMRA-I020	BM Unit Fuel Type List	from	SO	Manual
BMRA-I021	Temperature Reference Data	from	SO	Manual
BMRA-I022	Daily Energy Volume Reference Data	from	SO	Manual
BMRA-I023	Wind Generation Registered Capacities	from	SO	Manual
BMRA-I024 ¹	Large Combustion Plant Directive Spreadsheet	from	BSCCo Ltd	Manual
BMRA-I025	SO-SO Prices	from	SO	Automatic
BMRA-I026	SO-SO Standing Data	from	SO	Manual
BMRA-I027	Settlement Report	from	SAA (I014)	Electronic data file transfer

No changes to 3.1.2 – 3.1.4

¹ P226

Redlined changes to NETA IDD Part 2 for CP1397

3.1.5 SAA Interfaces

Agent-id	Name	Dir'n	User	Type
SAA-I003	Balancing Mechanism Data	from	BMRA	Electronic data file transfer
SAA-I007	BM Unit Allocated Demand Volume	from	SVAA	Electronic data file transfer, Pool Transfer File Format
SAA-I010	BSCCo Ltd Costs (Redundant)	from	BSCCo Ltd	Electronic data file transfer
SAA-I011	Payment Calendar Data	from	FAA	Manual
SAA-I013	Credit/Debit Reports	to	FAA	Electronic data file transfer
SAA-I013	Credit/Debit Reports	to	ECVAA (I033)	Electronic data file transfer
SAA-I014	Settlement Report	to	SO	Electronic data file transfer
SAA-I014	Settlement Report	to	BSCCo Ltd	Electronic data file transfer
<u>SAA-I014</u>	<u>Settlement Report</u>	<u>to</u>	<u>BMRA (I027)</u>	<u>Electronic data file transfer</u>
SAA-I016	Settlement Calendar	to	CDCA (I016)	Via shared database
SAA-I019	BSC Party Performance Reports (Redundant)	to	BSCCo Ltd	Electronic data file transfer
SAA-I020	SAA Performance Reports	to	BSCCo Ltd	Manual
SAA-I023	System Parameters	from	BSCCo Ltd	Manual
SAA-I025	SAA BSC Section D Charging Data	to	BSCCo Ltd	Electronic data file transfer
SAA-I026	Price Adjustment Data	from	SO	Automatic
SAA-I027	Report pre-settlement run validation failure	to	BCCC Ltd	Manual
SAA-I028	Receive settlement run decision	from	BSCCo Ltd	Manual
SAA-I029	Receive settlement run instructions	from	BSCCo Ltd	Manual
SAA-I031	Receive Market Index Data Provider Thresholds	From	BSCCo Ltd	Manual
SAA-I032	Report Market Index Data Provider Thresholds	to	BSCCo Ltd	Manual
SAA-I033	Receive Request for Data Change	from	SO	Manual
SAA-I034	Report Recommended Data Change	to	BSCCo Ltd	Manual
SAA-I035	Receive Instruction for Data Change	from	BSCCo Ltd	Manual
SAA-I036	Report Confirmation of Data Change	to	BSCCo Ltd	Manual
SAA-I037	Withdrawing Party Settlement Details	to	CRA (I046)	Manual
SAA-I038	Excluded Emergency Acceptance Pricing Information	from	BSCCo Ltd	Manual
SAA-I039	Send Excluded Emergency Acceptance Dry Run Results	to	BSCCo Ltd	Manual
SAA-I040	Receive Authorisation To Proceed With Full Settlement Run	from	BSCCo Ltd	Manual

No change to Section 8.4.1 – 5.20

5.21 SAA-I014 (output) Settlement Report

There are three variants of the Settlement Report. The first variant is sent to BSC Parties and is defined in Part 1 of the IDD. The second variant is sent to the System Operator and the BMRA and is defined here. The third variant is sent to BSCCo Ltd and is defined in section 7 of this document.

Interface ID: SAA-I014	User: System Operator, BSCCo Ltd <u>BMRA</u>	Title: Settlement Report	BSC Reference: CR_991027_06a, CP527, P8, P18A, CP597, CP610, CP754, CP797, P71, P78, P194, P217, <u>CP1397</u>
Mechanism: Electronic data file transfer	Frequency: Daily per settlement run	Volumes:	

The first part of the report contains general information:

Settlement Day Information
Settlement Date
Settlement Run Type
SAA Run Number
SAA CDCA Settlement Run Number
SVAA CDCA Settlement Date
SVAA CDCA Settlement Run Number
SVAA SSR Run Number
BSC Party Id

Settlement Period Information (for all Settlement Dates)
Settlement Period (1-50) (j)
System Buy Price SBP_j £/MWh
System Sell Price SSP_j £/MWh
Total Demand (sum of all negative QM_{ij})
Total Generation (sum of all positive QM_{ij})
Information Imbalance Price 1 (£/MWh)
Information Imbalance Price 2 (£/MWh)
Arbitrage Flag
 $CADL_d$ Continuous Acceptance Duration Limit
 $DMAT_d$ De Minimis Acceptance Threshold
 BPA_j (Buy Price Price Adjustment) (£/MWh)
 SPA_j (Sell Price Price Adjustment) (£/MWh)
Total Period Applicable Balancing Services Volume ($TQAS_j$) (MWh)
Price Derivation Code (PDC_j)
Total NIV Tagged Volume (MWh)

Settlement Period Information (for Settlement Dates prior to the P217 effective date)
 $EBCA_j$ (Net Energy Buy Price Cost Adjustment) (£)
 $EBVA_j$ (Net Energy Buy Price Volume Adjustment) (MWh)
 $SBVA_j$ (Net System Buy Price Volume Adjustment) (MWh)
 $ESCA_j$ (Net Energy Sell Price Cost Adjustment) (£)
 $ESVA_j$ (Net Energy Sell Price Volume Adjustment) (MWh)
 $SSVA_j$ (Net System Sell Price Volume Adjustment) (MWh)

Settlement Period Information (for post P217 Settlement Dates):
Total System Accepted Bid Volume
Total System Accepted Offer Volume
Total System Tagged Accepted Bid Volume
Total System Tagged Accepted Offer Volume
Total System Repriced Accepted Bid Volume
Total System Repriced Accepted Offer Volume
Total System Originally-priced Accepted Bid Volume
Total System Originally-priced Accepted Offer Volume
Total System Adjustment Sell Volume
Total System Adjustment Buy Volume

Total System Tagged Adjustment Sell Volume
Total System Tagged Adjustment Buy Volume
Total System Repriced Adjustment Sell Volume
Total System Repriced Adjustment Buy Volume
Total System Originally-priced Adjustment Sell Volume
Total System Originally-priced Adjustment Buy Volume
Replacement Price
Replacement Price Calculation Volume

Market Index Information:

Market Index Data Provider
Individual Liquidity Threshold
Market Index Price
Market Index Volume

Balancing Services Adjustment Action Data (post P217 only):

Balancing Services Adjustment Action Id
Balancing Services Adjustment Action Cost (£)
Balancing Services Adjustment Action Volume
Tagged Balancing Services Adjustment Action Volume
Repriced Balancing Services Adjustment Action Volume
Originally-Priced Balancing Services Adjustment Action Volume
Balancing Services Adjustment Action SO-Flag

Trading Unit Period Information:

Trading Unit Name
Total Trading Unit Metered Volume (MWh)

BM Unit Period Information:

BM Unit ID (i)
Trading Unit Name
Period FPN (FPN_{ij}) (MWh)
BM Unit Metered Volume (QM_{ij}) (MWh)
Transmission Loss Multiplier (TLM_{ij})
BM Unit Applicable Balancing Services Volume (QAS_i) (MWh)

Maximum Export Limit Information:

Time From
Level From (MW)
Time to
Level To (MW)

Maximum Import Limit Information:

Time From
Level From (MW)
Time to
Level To (MW)

The second part of the report is split into a section for each BSC Party. Each such section contains the information sent to the individual party in the “first variant” of the Settlement Report as defined in IDD Part 1:

BSC Party Settlement Date information:

Settlement Date
Settlement Run Type
SAA Run Number
SAA CDCA Settlement Run Number
SVAA CDCA Settlement Date
SVAA CDCA Settlement Run Number
SVAA SSR Run Number
BSC Party Id
Aggregate Party Day Charges (defined in IDD Part 1 section 8.4.1)

Settlement Period Information:

Settlement Period (1-50) (j)
Aggregate Party Period Charges (defined in IDD Part 1 section 8.4.2)
System Period Data (defined in IDD Part 1 section 8.4.3)

Account Period Information:

Production/Consumption Flag (a)

Account Period Data (defined in IDD Part 1 section 8.4.4)

Account Period BMU Information:

BM Unit ID (i)

Account Period BMU Data (defined in IDD Part 1 section 8.4.5)

BM Unit Period Information:

BM Unit ID

BM Unit Period Data (defined in IDD Part 1 section 8.4.6)

Trading Unit Name

Total Trading Unit Metered Volume (MWh)

BM Unit Period FPN Spot Points ($f_{FPN_{it}}$):

Time from

FPN Value from

Time to

FPN Value to

BM Unit Period Bid-Offer Information:

Bid-Offer pair number (n)

Bid-Offer Data (defined in IDD Part 1 section 8.4.7)

BM Unit Period Bid-Offer Spot Points ($f_{QBO^n_{ij}}$):

Time from

Bid-Offer Value from

Time to

Bid-Offer Value to

BM Unit Period Bid-Offer Acceptance (for all Settlement Dates):

Bid-Offer Acceptance number

CADL Flag

BM Unit Period Bid-Offer Acceptance (for post P217 Settlement Dates):

Acceptance SO-Flag

BM Unit Period Bid-Offer Acceptance Spot Points (qA^k_{it}):

Time from

Bid-Offer Acceptance Level from

Time to

Bid-Offer Acceptance Level to

BM Unit Bid-Offer Pair Acceptance Volume Data (post P217 only):

Bid-Offer Pair Number

Bid-Offer Pair Acceptance Bid Volume

Bid-Offer Pair Acceptance Offer Volume

BM Unit MVR Information:

Subsidiary Party ID and Production/Consumption Flag (a)

MVR Data (defined in IDD Part 1 section 8.4.8)

Physical Interface Details:

This is sub-flow 2 of the Settlement Report, file id S0142.

For the Interim Initial and Final Reconciliation Settlement Runs, the full set of data is included in the file.

For all other Settlement Runs, certain information is only included if it has been changed: this applies to the

- Maximum Export Limit Information, (MEL),
- Maximum Import Limit Information (MIL),
- BM Unit Period FPN Spot Points (FP2),
- BM Unit Period Bid-Offer Spot Points (BO2), and
- BM Unit Period Bid-Offer Acceptance Spot Points (BO6).

- BM Unit Period Bid-Offer Information (BO4) which is only included where
 - a) there are changes to prices or
 - b) there are changes to underlying BM Unit Period Bid-Offer Spot Points (BO2)) or
 - c) accepted bid or offer volume has been flagged as non-zero (i.e. NZ^n_i is set) in a previous Settlement Run that occurred on or after 11/3/03 or
 - d) where accepted bid or offer volumes are non-zero.
- BM Unit Bid-Offer Pair Acceptance Volume Data (BO7)

A 'change', as referred to above, is any new data generated since the last full run. For runs SF, R1, R2, and R3, this will be changes since the II run. For the DF run, this will be changes since the RF run. For example: if for an II run of the report the version of a particular data item reported was N, and it had a value of 10, then if for a subsequent R3 run's report the latest version of same item was now higher (version M, where $M > N$), then this newer version of the data item would be reported, no matter what the value was (i.e. even if it was now 10 again)

For FP2, BO2 and BO6, it is possible that the change being reported is that the record has been deleted; this is indicated by reporting nulls, e.g.

where there had been a record

BO2|10|123456.789|20|123456.789|

deletion of this record would be shown by

BO2|10||20||

Where an acceptance has been deleted, the BO3 record will be present but the Short Continuous Acceptance Flag will be null, e.g.

Acceptance 123 has been deleted:

BO3|123||

BO6|10||20||

Note:

SAA CDCA Settlement Run Number

Identifies the CDCA run which generated volumes used directly by SAA in the settlement calculations

For all settlement runs, other than Interim Initial for Settlement Dates prior to the P253 effective date:

SVAA CDCA Settlement Date

SVAA CDCA Settlement Run Number

Identify the CDCA run for Settlement Date which generated the GSP Group Take volumes which were allocated by the SVAA

SVAA SSR Run Number

Identifies the SVAA Run for Settlement Date which generated the SVA BM Unit volumes

For Interim Initial Settlement Runs for Settlement Dates prior to the P253 effective date:

SVAA CDCA Settlement Date

SVAA SSR Run Number

Identify the Settlement Date and Initial Settlement (SF) SVAA Run from which SVA volumes are derived

SVAA CDCA Run Number

Will be zero

No change to Section 5.22 – 7.42

7.43 SAA-I014 (output) Settlement Reports

There are three variants of the Settlement Report. The first variant is sent to BSC Parties and is defined in Part 1 of the IDD. The second variant is sent to the System Operator and the BMRA and is defined in section 5 of this document. The third variant is sent to BSCCo Ltd and is defined here:

Interface ID: SAA-I014	User: BSCCo Ltd	Title: Settlement Report	BSC Reference: CR_991027_06a, CP527, P8, P18A, CP597, CP610, P71, P78, P194, P217
Mechanism: Electronic data file transfer	Frequency: Daily per settlement run	Volumes:	

The following information is provided:

Settlement Day Information
Settlement Date
Settlement Run Type
SAA Run Number
SAA CDCA Settlement Run Number
SVAA CDCA Settlement Date
SVAA CDCA Settlement Run Number
SVAA SSR Run Number
BSC Party Id

For each BSC Party:

BSC Party Information
BSC Party Id
Aggregate Party Day Charges (defined in IDD Part 1 section 8.4.1)

For each Settlement Period:

Settlement Period Information
Settlement Period (1-50) (j)
Total Demand (sum of all negative QM_{ij})
Notional Reserve Limit (MW) (only for Settlement Dates prior to the P78 effective date)
Arbitrage Flag
 $CADL_d$ Continuous Acceptance Duration Limit
 $DMAT_d$ De Minimis Acceptance Threshold
System Period Data (defined in IDD Part 1 section 8.4.3)

Trading Unit Period Information:
Trading Unit Name
Total Trading Unit Metered Volume (MWh)

BM Unit Period Information:
BM Unit ID (i)
Trading Unit Name
Period FPN (FPN_{ij}) (MWh)
BM Unit Metered Volume (QM_{ij}) (MWh)
Transmission Loss Multiplier (TLM_{ij})
BM Unit Applicable Balancing Services Volume (QAS_i) (MWh)

BM Unit Period Bid-Offer Information:
Bid-Offer Pair Number (n)

Bid Price (PB_{ij}^n) (£)
Offer Price (PO_{ij}^n) (£)

BM Unit Period Bid-Offer Spot Points (QBO_{ij}^n):

Time from
Bid-Offer Value from
Time to
Bid-Offer Value to

Maximum Export Limit Information:

Time From
Level From (MW)
Time to
Level To (MW)

Maximum Import Limit Information:

Time From
Level From (MW)
Time to
Level To (MW)

Physical Interface Details:

This is sub-flow 3 of the Settlement Report, file id S0143.

For the Interim Initial Settlement Run, the full set of data is included in the file.

For subsequent Settlement Runs, certain information is only included if it has been changed: this applies to the Maximum Export Limit Information, (MEL), Minimum Export Limit Information (MIL), and BM Unit Period Bid-Offer Spot Points (BO2). BM Unit Period Bid-Offer Information (BBO) is only included where there are changes (to prices or to underlying BM Unit Period Bid-Offer Spot Points (BO2)).

For BO2 it is possible that the change being reported is that the record has been deleted; this is indicated by reporting nulls, e.g.

where there had been a record

BO2|10|123456.789|20|123456.789|

deletion of this record would be shown by

BO2|10||20||

Note:

SAA CDCA Settlement Run Number

Identifies the CDCA run which generated volumes used directly by SAA in the settlement calculations

For all settlement runs, other than Interim Initial for Settlement Dates prior to the P253 effective date:

SVAA CDCA Settlement Date

SVAA CDCA Settlement Run Number

Identify the CDCA run for Settlement Date which generated the GSP Group Take volumes which were allocated by the SVAA

SVAA SSR Run Number

Identifies the SVAA Run for Settlement Date which generated the SVA
BM Unit volumes

For Interim Initial Settlement Runs for Settlement Dates prior to the P253 effective date:

SVAA CDCA Settlement Date

SVAA SSR Run Number

Identify the Settlement Date and Initial Settlement (SF) SVAA Run from
which SVA volumes are derived

SVAA CDCA Run Number

Will be zero

No changes to 7.44 – 9.46

(Add details of the new BMRA-I027 input from the SAA to section 9)

9.47 BMRA-I027: (input) Settlement Reports

This interface is defined in Section 5 and has the same format as the SAA-I014 Sub
Flow 2 sent to the System Operator.

No changes to 10 - end of document