

**Redlined NETA Interface Definition and Design (IDD): Part 1 for P297 Proposed Solution 'Receipt and Publication of New and Revised Dynamic Data Items'.**

The Modification proposes changes to NETA IDD Part 1.

We have redlined these changes against Version 29.0

#### 4.7.4.1 Field Type Index by Data Type

Data Type	Field Type
Acceptance Level Value	VA
Acceptance Number	NK
Acceptance Time	TA
Adjustment Cost	JC
Adjustment Identifier	AI
Adjustment Volume	JV
Applicable Balancing Services Volume	SV
Arbitrage Adjusted Volume	AV
Bid Cashflow	BC
Bid Price	BP
Bid Volume	BV
Bid/Offer Indicator	BO
Bid-Offer Level Value	VB
Bid-Offer Pair Number	NN
BMRS Informational Text	IN
BSAD Defaulted	BD
Buy Price	PB
Buy Price Cost Adjustment	A4
Buy Price Price Adjustment	A6
Buy Price Volume Adjustment	A5
CADL Flag	CF
Calendar Year	CY
Calendar Week Number	WN
Cleared Default Settlement Date	CD
Cleared Default Settlement Period	CP
Component Identifier	CI
Contract Identification	IC
Credit Default Level	DL
<u>CS Break Point 2</u>	<u>CB</u>
<u>CS Break Point 3</u>	<u>CC</u>
Deemed Bid-Offer Flag	AD
Demand Margin	DM
Demand Value	VD
DMAT Adjusted Volume	DA
Effective From Time	TE
<u>Effective End Time</u>	<u>TX</u>
Entered Default Settlement Date	ED
Entered Default Settlement Period	EP
Energy Volume Daily High Reference	EH
Energy Volume Daily Low Reference	EL
Energy Volume Daily Normal Reference	EN
Energy Volume Outturn	EO
Export Level Value	VE
Fuel Type	FT
Fuel Type Generation	FG
GB Reference High Noon Temperature	TH
GB Noon Temperature Outturn	TO
GB Reference Low Noon Temperature	TL
GB Reference Normal Noon Temperature	TN
Generation Value	VG
Imbalance Value	VI
Import Level Value	VF
Indicative Net Imbalance Volume	NI
<u>Last Cancel Time 1</u>	<u>C1</u>
<u>Last Cancel Time 2</u>	<u>C2</u>
<u>Last Cancel Time 3</u>	<u>C3</u>
Margin/Surplus Value	VM
Market Index Data Provider ID	MI
Market Index Price	M1

Data Type	Field Type
Market Index Volume	M2
Maximum Delivery Period	DP
Maximum Delivery Volume	DV
Message Type	MT
Minimum non-Zero Time	MN
Minimum Zero Time	MZ
Net Energy Buy Price Cost Adjustment	A9
Net Energy Buy Price Volume Adjustment	A10
Net Energy Sell Price Cost Adjustment	A7
Net Energy Sell Price Volume Adjustment	A8
Net System Buy Price Volume Adjustment	A12
Net System Sell Price Volume Adjustment	A11
NIV Adjusted Volume	NV
Non-BM STOR Volume	NB
Notice to Deliver Bids	DB
Notice to Deliver Offers	DO
Notice to Deviate from Zero	DZ
Number of Records	NR
Number Of Spot Points	NP
Offer Cashflow	OC
Offer Price	OP
Offer Volume	OV
Output Usable	OU
PAR Adjusted Volume	PV
Period Originally-Priced BM Unit Bid Volume	P6
Period Originally-Priced BM Unit Offer Volume	P3
Period Repriced BM Unit Bid Volume	P5
Period Repriced BM Unit Offer Volume	P2
Period Tagged BM Unit Bid Volume	P4
Period Tagged BM Unit Offer Volume	P1
PN Level Value	VP
Price Derivation Code	PD
Publishing Time	TP
Replacement Price	RP
Replacement Price Calculation Volume	RV
Repriced Indicator	RI
Run Down Elbow 2	RB
Run Down Elbow 3	RC
Run Down Elbow 4	RD
Run Down Elbow 5	RE
Run Down Elbow 6	RF
Run Down Elbow 7	RG
Run Down Elbow 8	RH
Run Down Elbow 9	RJ
Run Down Elbow 10	RK
Run Down Rate 1	R1
Run Down Rate 2	R2
Run Down Rate 3	R3
Run Down Rate 4	R4
Run Down Rate 5	R5
Run Down Rate 6	R6
Run Down Rate 7	R7
Run Down Rate 8	R8
Run Down Rate 9	R9
Run Down Rate 10	R10
Run Up Elbow 2	UB
Run Up Elbow 3	UC
Run Up Elbow 4	UD
Run Up Elbow 5	UE
Run Up Elbow 6	UF
Run Up Elbow 7	UG

Data Type	Field Type
<u>Run Up Elbow 8</u>	<u>UH</u>
<u>Run Up Elbow 9</u>	<u>UI</u>
<u>Run Up Elbow 10</u>	<u>UJ</u>
Run Up Rate 1	U1
Run Up Rate 2	U2
Run Up Rate 3	U3
<u>Run Up Rate 4</u>	<u>U4</u>
<u>Run Up Rate 5</u>	<u>U5</u>
<u>Run Up Rate 6</u>	<u>U6</u>
<u>Run Up Rate 7</u>	<u>U7</u>
<u>Run Up Rate 8</u>	<u>U8</u>
<u>Run Up Rate 9</u>	<u>U9</u>
<u>Run Up Rate 10</u>	<u>U10</u>
Sell Price	PS
Sell Price Cost Adjustment	A1
Sell Price Price Adjustment	A3
Sell Price Volume Adjustment	A2
Sequence Number	SN
Settlement Date	SD
Settlement Period	SP
Short Acceptance Flag	SA
Spot Time	TS
Stable Export Limit	SE
Stable Import Limit	SI
Stack Item Final Price	FP
Stack Item Original Price	IP
Stack Item Volume	IV
SO-Flag	SO
SO-SO Start Time	ST
SO-SO Trade Type	TT
System Frequency	SF
System Message Text	SM
System Total Priced Accepted Bid Volume	PC
System Total Priced Accepted Offer Volume	PP
System Total Unpriced Accepted Bid Volume	AC
System Total Unpriced Accepted Offer Volume	AP
System Warning Text	SW
Tagged Accepted Bid Volume	T2
Tagged Accepted Offer Volume	T1
Tagged Adjustment Buy Volume	J4
Tagged Adjustment Sell Volume	J3
TLM Adjusted Cost	TC
TLM Adjusted Volume	TV
Total Accepted Bid Volume	AB
Total Accepted Offer Volume	AO
Total Adjustment Buy Volume	J2
Total Adjustment Sell Volume	J1
Total Bid Volume	BT
Total Offer Volume	BO
Total Registered Capacity	TR
Trade Direction	TD
Trade Price	PT
Trade Quantity	TQ
Transmission Loss Multiplier	TM
Week Start Date	WD
Zone Indicator	ZI

#### 4.7.4.2 Field Type Index

Field Type	Data Type
A1	Sell Price Cost Adjustment
A10	Net Energy Buy Price Volume Adjustment
A11	Net System Sell Price Volume Adjustment
A12	Net System Buy Price Volume Adjustment
A2	Sell Price Volume Adjustment
A3	Sell Price Price Adjustment
A4	Buy Price Cost Adjustment
A5	Buy Price Volume Adjustment
A6	Buy Price Price Adjustment
A7	Net Energy Sell Price Cost Adjustment
A8	Net Energy Sell Price Volume Adjustment
A9	Net Energy Buy Price Cost Adjustment
AB	Total Accepted Bid Volume
AC	System Total Unpriced Accepted Bid Volume
AD	Deemed Bid-Offer Flag
AI	Adjustment Identifier
AO	Total Accepted Offer Volume
AP	System Total Unpriced Accepted Offer Volume
AV	Arbitrage Adjusted Volume
BC	Bid Cashflow
BD	BSAD Defaulted
BO	Bid/Offer Indicator
BP	Bid Price
BT	Total Bid Volume
BV	Bid Volume
C1	Last Cancel Time 1
C2	Last Cancel Time 2
C3	Last Cancel Time 3
CB	CS Break Point 2
CC	CS Break Point 3
CD	Cleared Default Settlement Date
CF	CADL Flag
CI	Component Identifier
IC	Contract Identification
CP	Cleared Default Settlement Period
CY	Calendar Year
DA	DMAT Adjusted Volume
DB	Notice to Deliver Bids
DL	Credit Default Level
DM	Demand Margin
DO	Notice to Deliver Offers
DP	Maximum Delivery Period
DV	Maximum Delivery Volume
DZ	Notice to Deviate from Zero
ED	Entered Default Settlement Date
EH	Energy Volume Daily High Reference
EL	Energy Volume Daily Low Reference
EN	Energy Volume Daily Normal Reference
EO	Energy Volume Outturn
EP	Entered Default Settlement Period
FG	Fuel Type Generation
FP	Stack Item Final Price
FT	Fuel Type
IN	BMRS Informational Text
IP	Stack Item Original Price
IV	Stack Item Volume
J1	Total Adjustment Sell Volume
J2	Total Adjustment Buy Volume
J3	Tagged Adjustment Sell Volume
J4	Tagged Adjustment Buy Volume
JC	Adjustment Cost

Field Type	Data Type
JV	Adjustment Volume
M1	Market Index Price
M2	Market Index Volume
MI	Market Index Data Provider ID
MN	Minimum non-Zero Time
MT	Message Type
MZ	Minimum Zero Time
NB	Non-BM STOR Volume
NI	Indicative Net Imbalance Volume
NK	Acceptance Number
NN	Bid-Offer Pair Number
NP	Number Of Spot Points
NR	Number of Records
NV	NIV Adjusted Volume
OC	Offer Cashflow
OP	Offer Price
OT	Total Offer Volume
OU	Output Usable
OV	Offer Volume
P1	Period Tagged BM Unit Offer Volume
P2	Period Repriced BM Unit Offer Volume
P3	Period Originally-Priced BM Unit Offer Volume
P4	Period Tagged BM Unit Bid Volume
P5	Period Repriced BM Unit Bid Volume
P6	Period Originally-Priced BM Unit Bid Volume
PB	Buy Price
PC	System Total Priced Accepted Bid Volume
PD	Price Derivation Code
PP	System Total Priced Accepted Offer Volume
PS	Sell Price
PV	PAR Adjusted Volume
R1	Run Down Rate 1
R2	Run Down Rate 2
R3	Run Down Rate 3
<u>R4</u>	<u>Run Down Rate 4</u>
<u>R5</u>	<u>Run Down Rate 5</u>
<u>R6</u>	<u>Run Down Rate 6</u>
<u>R7</u>	<u>Run Down Rate 7</u>
<u>R8</u>	<u>Run Down Rate 8</u>
<u>R9</u>	<u>Run Down Rate 9</u>
<u>R10</u>	<u>Run Down Rate 10</u>
RB	Run Down Elbow 2
RC	Run Down Elbow 3
<u>RD</u>	<u>Run Down Elbow 4</u>
<u>RE</u>	<u>Run Down Elbow 5</u>
<u>RF</u>	<u>Run Down Elbow 6</u>
<u>RG</u>	<u>Run Down Elbow 7</u>
<u>RH</u>	<u>Run Down Elbow 8</u>
RI	Repriced Indicator
<u>RJ</u>	<u>Run Down Elbow 9</u>
<u>RK</u>	<u>Run Down Elbow 10</u>
RP	Replacement Price
RV	Replacement Price Calculation Volume
SA	Short Acceptance Flag
SD	Settlement Date
SE	Stable Export Limit
SF	System Frequency
SI	Stable Import Limit
SM	System Message Text
SO	SO-Flag
SP	Settlement Period

Field Type	Data Type
SP	Settlement Period
ST	SO-SO Start Time
SV	Applicable Balancing Services Volume
SW	System Warning Text
T1	Tagged Accepted Offer Volume
T2	Tagged Accepted Bid Volume
TA	Acceptance Time
TC	TLM Adjusted Cost
TD	Trade Direction
TE	Effective From Time
TH	GB Reference High Noon Temperature
TL	GB Reference Low Noon Temperature
TM	Transmission Loss Multiplier
TN	GB Reference Normal Noon Temperature
TO	GB Noon Temperature Outturn
TP	Publishing Time
PT	Trade Price
TQ	Trade Quantity
TR	Total Registered Capacity
TS	Spot Time
TT	SO-SO Trade Type
TV	TLM Adjusted Volume
<u>TX</u>	<u>Effective End Time</u>
U1	Run Up Rate 1
U2	Run Up Rate 2
U3	Run Up Rate 3
<u>U4</u>	<u>Run Up Rate 4</u>
<u>U5</u>	<u>Run Up Rate 5</u>
<u>U6</u>	<u>Run Up Rate 6</u>
<u>U7</u>	<u>Run Up Rate 7</u>
<u>U8</u>	<u>Run Up Rate 8</u>
<u>U9</u>	<u>Run Up Rate 9</u>
<u>U10</u>	<u>Run Up Rate 10</u>
UB	Run Up Elbow 2
UC	Run Up Elbow 3
<u>UD</u>	<u>Run Up Elbow 4</u>
<u>UE</u>	<u>Run Up Elbow 5</u>
<u>UF</u>	<u>Run Up Elbow 6</u>
<u>UG</u>	<u>Run Up Elbow 7</u>
<u>UH</u>	<u>Run Up Elbow 8</u>
<u>UI</u>	<u>Run Up Elbow 9</u>
<u>UJ</u>	<u>Run Up Elbow 10</u>
VA	Acceptance Level Value
VB	Bid-Offer Level Value
VD	Demand Value
VE	Export Level Value
VF	Import Level Value
VG	Generation Value
VI	Imbalance Value
VM	Margin/Surplus Value
VP	PN Level Value
WD	Week Start Date
WN	Calendar Week Number
ZI	Zone Indicator

#### 4.7.4.28 Contract Identification

**Field Data Type :** Contract Identification  
**Field Type :** IC  
**Field Name :** “IC”  
**Description :** A unique identifier for an offered SO-SO trade.  
**TIB Data Type :** TIBRVMSG\_STRING  
**C/Java Type :** Char\*/String  
**Messages containing field :** SOSO  
**Additional Information :**

#### 4.7.4.29 Credit Default Level

**Field Data Type :** Credit Default Level  
**Field Type :** DL  
**Field Name :** “DL”  
**Description :** The credit default level.  
**TIB Data Type :** TIBRVMSG\_I32  
**C/Java Type :** Int  
**Messages containing field :** CDN  
**Additional Information :** Valid values : 1, 2

#### 4.7.4.30 CS Break Point 2

**Field Data Type :** CS Break Point 2  
**Field Type :** CB  
**Field Name :** “CB”  
**Description :** Last Time to Cancel Sync/NDZ Breakpoint 2  
**TIB Data Type :** TIBRVMSG\_I32  
**C/Java Type :** int  
**Messages containing field :** LTCS  
**Additional Information :** Value in Minutes  
Valid Values: 0 to 999 (exclusive)

#### 4.7.4.31 CS Break Point 3

**Field Data Type :** CS Break Point 3  
**Field Type :** CC  
**Field Name :** “CC”  
**Description :** Last Time to Cancel Sync/NDZ Breakpoint 2  
**TIB Data Type :** TIBRVMSG\_I32  
**C/Java Type :** int  
**Messages containing field :** LTCS  
**Additional Information :** Value in Minutes  
Valid Values: 0 to 999 (exclusive)



#### 4.7.4.3~~02~~ Deemed Bid-Offer Flag

**Field Data Type :** Deemed Bid-Offer Flag  
**Field Type :** AD  
**Field Name :** “AD”  
**Description :** Indicates whether Bid-Offer was made for an acceptance.  
**TIB Data Type :** TIBRVMSG\_STRING  
**C/Java Type :** char\*/String  
**Messages containing field :** BOAL, BOALF  
**Additional Information :** Valid Values: ‘T’ or ‘F’.

#### 4.7.4.3~~13~~ Demand Margin

**Field Data Type:** Demand Margin  
**Field Type :** DM  
**Field Name :** “DM”  
**Description :** A value of the demand margin from generating plants.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** float  
**Messages containing field :** OCNMFD2, OCNMFW2  
**Additional Information :** Value in MW.  
Valid values: -99999 to +99999.

#### 4.7.4.3~~24~~ Demand Value

**Field Data Type :** Demand Value  
**Field Type :** VD  
**Field Name :** “VD”  
**Description :** A value of demand.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** Float  
**Messages containing field :** NDFD, NDFW, INDDDEM, INDO, NDF, TSDF, TSDFD, TSDFW, ITSDO  
**Additional Information :** Value in MW.  
Valid values:  
    INDDDEM: -99999 to 0  
    others: 0 to +99999.

#### 4.7.4.3~~35~~ DMAT Adjusted Volume

**Field Data Type :** DMAT Adjusted Volume  
**Field Type :** DA  
**Field Name :** “DA”  
**Description :** The volume remaining against a stack item after applying DMAT.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** Float

**Messages containing field :** ISPSTACK  
**Additional Information :** Value in MWh.

#### 4.7.4.3~~46~~ Effective From Time

**Field Data Type :** Effective From Time  
**Field Type :** TE  
**Field Name :** “TE”  
**Description :** The date and time that a value of dynamic data starts to be effective.  
**TIB Data Type :** TIBRVMSG\_DATETIME  
**C/Java Type :** time\_t/Date  
**Messages containing field :** RURE, RURI, RDRE, RDRI, NDZ, NTO, NTB, MZT, MNZT, SEL, SIL, MDV, MDP, LTCS  
**Additional Information :**

#### 4.7.4.3~~57~~ Effective End Time

**Field Data Type :** Effective End Time  
**Field Type :** TX  
**Field Name :** “TX”  
**Description :** The date and time that a value of dynamic data ceases to be effective.  
**TIB Data Type :** TIBRVMSG\_DATETIME  
**C/Java Type :** time t/Date  
**Messages containing field :** SEL, SIL  
**Additional Information :**

#### 4.7.4.38 Energy Volume Daily High Reference

**Field Data Type :** Energy Volume Daily High Reference  
**Field Type :** EH  
**Field Name :** “EH”  
**Description :** MWh.  
**TIB Data Type :** TIBRVMSG\_I32  
**C/Java Type :** Int  
**Messages containing field :** INDOD  
**Additional Information :**

#### 4.7.4.3~~69~~ Energy Volume Daily Low Reference

**Field Data Type :** Energy Volume Daily Low Reference  
**Field Type :** EL  
**Field Name :** “EL”  
**Description :** MWh.

**TIB Data Type :** TIBRVMSG\_I32  
**C/Java Type :** Int  
**Messages containing field :** INDOD  
**Additional Information :**

4.7.4.~~3740~~ Energy Volume Daily Normal Reference

**Field Data Type :** Energy Volume Daily Normal Reference  
**Field Type :** EN  
**Field Name :** “EN”  
**Description :** MWh.  
**TIB Data Type :** TIBRVMSG\_I32  
**C/Java Type :** Int  
**Messages containing field :** INDOD  
**Additional Information :**

4.7.4.~~3841~~ Energy Volume Daily Outturn

**Field Data Type :** Energy Volume Daily Outturn  
**Field Type :** EO  
**Field Name :** “EO”  
**Description :** MWh.  
**TIB Data Type :** TIBRVMSG\_I32  
**C/Java Type :** Int  
**Messages containing field :** INDOD  
**Additional Information :**

4.7.4.~~3942~~ Entered Default Settlement Date

**Field Data Type :** Entered Default Settlement Date  
**Field Type :** ED  
**Field Name :** “ED”  
**Description :** The settlement date on which a party entered credit default, at the level specified elsewhere in the message.  
**TIB Data Type :** TIBRVMSG\_DATETIME  
**C/Java Type :** time\_t/Date  
**Messages containing field :** CDN  
**Additional Information :** The time section of the DateTime is truncated to zero hours, zero minutes and zero seconds

4.7.4.~~403~~ Entered Default Settlement Period

**Field Data Type :** Entered Default Settlement Period  
**Field Type :** EP  
**Field Name :** “EP”  
**Description :** The settlement Period on which a party entered credit

default, at the level specified elsewhere in the message.

**TIB Data Type :** TIBRVMSG\_I32  
**C/Java Type :** Int  
**Messages containing field :** CDN  
**Additional Information :** Valid values : 1 – 50

#### 4.7.4.4~~14~~ Export Level Value

**Field Data Type :** Export Level Value  
**Field Type :** VE  
**Field Name :** “VE”  
**Description :** A level of export capability.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** float  
**Messages containing field :** MEL  
**Additional Information :** Value in MW.

#### 4.7.4.4~~25~~ Fuel Type

**Field Data Type :** Fuel Type  
**Field Type :** FT  
**Field Name :** “FT”  
**Description :** The class of generation fuel type.  
**TIB Data Type :** TIBRVMSG\_STRING  
**C/Java Type :** Char\*/String  
**Messages containing field :** FUELINST, FUELHH, FOU2T14D, FOU2T52W, UOU2T14D, UOU2T52W  
**Additional Information :** One of:  
CCGT Combined Cycle Gas Turbine  
OIL Oil Plant  
COAL Coal Plant  
NUCLEAR Nuclear Plant  
WIND Power Park Modules metered by the Transmission Operator  
PS Pumped Storage Plant  
NPSHYD Non Pumped Storage Hydro Plant  
OCGT Open Cycle Gas Turbine Plant  
OTHER Undefined  
INTFR External Interconnector flows with France  
INTIRL External Interconnector flows with Ireland  
INTNED External Interconnector flows with the Netherlands  
INTEW External Interconnector flows with Ireland (East-West)

#### 4.7.4.4~~36~~ Fuel Type Generation

**Field Data Type :** Fuel Type Generation  
**Field Type :** FG  
**Field Name :** “FG”

**Description :** Fuel Type Generation (MW).  
**TIB Data Type :** TIBRVMSG\_I32  
**C/Java Type :** Int  
**Messages containing field :** FUELINST, FUELHH  
**Additional Information :** Value in MW.  
Valid values: -99999 to +99999.

#### 4.7.4.4~~47~~ GB Noon Temperature

**Field Data Type :** GB Noon Temperature Outturn  
**Field Type :** TO  
**Field Name :** "TO"  
**Description :** Degree celsius Outturn temperature.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** Float  
**Messages containing field :** TEMP  
**Additional Information :** Value in degrees Celsius.  
Valid Values: -99.9 to 99.9

#### 4.7.4.4~~58~~ GB Reference Normal Noon Temperature

**Field Data Type :** GB Reference Normal Temperature  
**Field Type :** TN  
**Field Name :** "TN"  
**Description :** Degree celsius temperature.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** Float  
**Messages containing field :** TEMP  
**Additional Information :** Value in degrees Celsius.  
Valid Values: -99.9 to 99.9

#### 4.7.4.4~~69~~ GB Reference High Noon Temperature

**Field Data Type :** GB Reference High Noon Temperature  
**Field Type :** TH  
**Field Name :** "TH"  
**Description :** Degree celsius temperature.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** Float  
**Messages containing field :** TEMP  
**Additional Information :** Value in degrees Celsius.  
Valid Values: -99.9 to 99.9

#### 4.7.4.4~~750~~ GB Reference Low Noon Temperature

**Field Data Type :** GB Reference Low Noon Temperature

**Field Type :** TL  
**Field Name :** "TL"  
**Description :** Degree celsius temperature.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** Float  
**Messages containing field :** TEMP  
**Additional Information :** Value in degrees Celsius.  
Valid Values: -99.9 to 99.9

#### 4.7.4.4851 Generation Value

**Field Data Type :** Generation Value  
**Field Type :** VG  
**Field Name :** "VG"  
**Description :** A value of Generation.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** float  
**Messages containing field :** INDGEN, WINDFOR  
**Additional Information :** Value in MW.  
Valid values: 0 to +99999.

#### 4.7.4.4952 Imbalance Value

**Field Data Type :** Imbalance Value  
**Field Type :** VI  
**Field Name :** "VI"  
**Description :** A value of Imbalance.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** float  
**Messages containing field :** IMBALNGC  
**Additional Information :** Value in MW.  
Valid values: -99999 to +99999.

#### 4.7.4.503 Import Level Value

**Field Data Type :** Import Level Value  
**Field Type :** VF  
**Field Name :** "VF"  
**Description :** A level of Import capability.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** float  
**Messages containing field :** MIL  
**Additional Information :** Value in MW.

#### 4.7.4.514 Indicative Net Imbalance Volume

**Field Data Type :** Indicative Net Imbalance Volume  
**Field Type :** NI  
**Field Name :** "NI"

**Description :** The Indicative Net Imbalance Volume  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** Float  
**Messages containing field :** NETEBSP, DISEBSP  
**Additional Information :**

4.7.4.55 Last Cancel Time 1

**Field Data Type :** Last Cancel Time 1  
**Field Type :** C1  
**Field Name :** “C1”  
**Description :** Last Time (in minutes) to Cancel Sync 1.  
**TIB Data Type :** TIBRVMSG\_I32  
**C/Java Type :** int  
**Messages containing field :** LTCS  
**Additional Information :** Value in Value in Minutes.  
Valid Values: 0 to 60 (inclusive)

4.7.4.56 Last Cancel Time 2

**Field Data Type :** Last Cancel Time 2  
**Field Type :** C2  
**Field Name :** “C2”  
**Description :** Last Time (in minutes) to Cancel Sync 2.  
**TIB Data Type :** TIBRVMSG\_I32  
**C/Java Type :** int  
**Messages containing field :** LTCS  
**Additional Information :** Value in Value in Minutes.  
Valid Values: 0 to 60 (inclusive)

4.7.4.57 Last Cancel Time 3

**Field Data Type :** Last Cancel Time 3  
**Field Type :** C3  
**Field Name :** “C3”  
**Description :** Last Time (in minutes) to Cancel Sync 3.  
**TIB Data Type :** TIBRVMSG\_I32  
**C/Java Type :** int  
**Messages containing field :** LTCS  
**Additional Information :** Value in Minutes.  
Valid Values: 0 to 60 (inclusive)

#### 4.7.4.5~~28~~ Margin/Surplus Value

**Field Data Type :** Margin/Surplus Value  
**Field Type :** VM  
**Field Name :** “VM”  
**Description :** A value of margin or surplus.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** float  
**Messages containing field :** OCNMFD, OCNMFW, MELNGC  
**Additional Information :** Value in MW.  
Valid values: -99999 to +99999.

#### 4.7.4.5~~39~~ Market Index Data Provider ID

**Field Data Type :** Market Index Data Provider ID  
**Field Type :** MI  
**Field Name :** “MI”  
**Description :** The Identifier of a Market Index Data Provider.  
**TIB Data Type :** TIBRVMSG\_STRING  
**C/Java Type :** Char\*/String  
**Messages containing field :** MID  
**Additional Information :** The Identifier will be plain ascii text, in the majority of cases, be less than 4Kb in length.

#### 4.7.4.5~~460~~ Market Index Price

**Field Data Type :** Market Index Price  
**Field Type :** M1  
**Field Name :** “M1”  
**Description :** Market Index Price.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** Float  
**Messages containing field :** MID  
**Additional Information :** Value in £/MWh.

#### 4.7.4.5~~561~~ Market Index Volume

**Field Data Type :** Market Index Volume  
**Field Type :** M2  
**Field Name :** “M2”



**Description :** Market Index Volume.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** Float  
**Messages containing field :** MID  
**Additional Information :** Value in MWh.

#### 4.7.4.5662 Maximum Delivery Period

**Field Data Type :** Maximum Delivery Period  
**Field Type :** DP  
**Field Name :** “DP”  
**Description :** The minimum length of time in which the maximum delivery volume may be delivered.  
**TIB Data Type :** TIBRVMSG\_I32  
**C/Java Type :** int  
**Messages containing field :** MDP  
**Additional Information :** Value in Minutes.  
Valid Values: 1 to 239.

#### 4.7.4.5763 Maximum Delivery Volume

**Field Data Type :** Maximum Delivery Volume  
**Field Type :** DV  
**Field Name :** “DV”  
**Description :** The maximum amount which may be delivered within the maximum delivery period.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** float  
**Messages containing field :** MDV  
**Additional Information :** Value in MWh.  
Valid Values: -99999 to +99999.

#### 4.7.4.5864 Message Type

**Field Data Type :** Message type  
**Field Type :** MT  
**Field Name :** “MT”  
**Description :** A 6 character code that specifies a system message type  
**TIB Data Type :** TIBRVMSG\_STRING  
**C/Java Type :** Char\*/String  
**Messages containing field :** SYSMSG  
**Additional Information :** Valid Values: ‘MIDNP’, and such values that are

allocated from time to time.

#### 4.7.4.5965 Minimum non-Zero Time

**Field Data Type :** Minimum non-Zero Time  
**Field Type :** MN  
**Field Name :** “MN”  
**Description :** The minimum time a BM unit may operate at non-zero level as a result of accepted BM action.  
**TIB Data Type :** TIBRVMSG\_I32  
**C/Java Type :** int  
**Messages containing field :** MNZT  
**Additional Information :** Value in Minutes.  
Valid values: 0 to 999.

#### 4.7.4.606 Minimum Zero Time

**Field Data Type :** Minimum Zero Time  
**Field Type :** MZ  
**Field Name :** “MZ”  
**Description :** The minimum time a BM unit must operate at zero or import before returning to export.  
**TIB Data Type :** TIBRVMSG\_I32  
**C/Java Type :** int  
**Messages containing field :** MZT  
**Additional Information :** Value in Minutes.  
Valid values: 0 to 999.

#### 4.7.4.617 Net Energy Buy Price Cost Adjustment

**Field Data Type :** Net Energy Buy Price Cost Adjustment  
**Field Type :** A9  
**Field Name :** “A9”  
**Description :** Adjustment included in computation of Buy Price  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** Float  
**Messages containing field :** NETBSAD, NETEBSP  
**Additional Information :** Value in £

#### 4.7.4.628 Net Energy Buy Price Volume Adjustment

**Field Data Type :** Net Energy Buy Price Volume Adjustment  
**Field Type :** A10

**Field Name :** “A10”  
**Description :** Adjustment included in computation of Buy Price  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** Float  
**Messages containing field :** NETBSAD, NETEBSP  
**Additional Information :** Value in MWh.

4.7.4.639 Net Energy Sell Price Cost Adjustment

**Field Data Type :** Net Energy Sell Price Cost Adjustment  
**Field Type :** A7  
**Field Name :** “A7”  
**Description :** Adjustment included in computation of Sell Price  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** Float  
**Messages containing field :** NETBSAD, NETEBSP  
**Additional Information :** Value in £

4.7.4.6470 Net Energy Sell Price Volume Adjustment

**Field Data Type :** Net Energy Sell Price Volume Adjustment  
**Field Type :** A8  
**Field Name :** “A8”  
**Description :** Adjustment included in computation of Sell Price  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** Float  
**Messages containing field :** NETBSAD, NETEBSP  
**Additional Information :** Value in MWh.

4.7.4.6571 Net System Buy Price Volume Adjustment

**Field Data Type :** Net System Buy Price Volume Adjustment  
**Field Type :** A12  
**Field Name :** “A12”  
**Description :** Adjustment included in computation of Buy Price  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** Float  
**Messages containing field :** NETBSAD, NETEBSP  
**Additional Information :** Value in MWh.

#### 4.7.4.6672 Net System Sell Price Volume Adjustment

**Field Data Type :** Net System Sell Price Volume Adjustment  
**Field Type :** A11  
**Field Name :** “A11”  
**Description :** Adjustment included in computation of Sell Price  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** Float  
**Messages containing field :** NETBSAD, NETEBSP  
**Additional Information :** Value in MWh.

#### 4.7.4.673 NIV Adjusted Volume

**Field Data Type :** NIV Adjusted Volume  
**Field Type :** NV  
**Field Name :** “NV”  
**Description :** The volume remaining against a stack item after applying NIV.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** Float  
**Messages containing field :** ISPSTACK  
**Additional Information :** Value in MWh.

#### 4.7.4.6874 Non-BM STOR Volume

**Field Data Type :** Non-BM STOR Volume  
**Field Type :** NB  
**Field Name :** “NB”  
**Description :** Non-BM STOR Instructed Volume (MWh).  
**TIB Data Type :** TIBRVMSG\_I32  
**C/Java Type :** Int  
**Messages containing field :** NONBM  
**Additional Information :** Value in MWh.  
Valid values: 0 to +99999.

#### 4.7.4.6975 Notice to Deliver Bids

**Field Data Type :** Notice to Deliver Bids  
**Field Type :** DB  
**Field Name :** “DB”  
**Description :** Notification time for BM unit to delivery a bid  
**TIB Data Type :** TIBRVMSG\_I32

**C/Java Type :** int  
**Messages containing field :** NTB  
**Additional Information :** Value in Minutes.  
Valid values: 0 to 239.

#### 4.7.4.7~~06~~ Notice to Deliver Offers

**Field Data Type :** Notice to Deliver Offers  
**Field Type :** DO  
**Field Name :** “DO”  
**Description :** Notification time for BM unit to deliver an offer.  
**TIB Data Type :** TIBRVMSG\_I32  
**C/Java Type :** int  
**Messages containing field :** NTO  
**Additional Information :** Value in Minutes.  
Valid values: 0 to 239.

#### 4.7.4.7~~17~~ Notice to Deviate from Zero

**Field Data Type :** Notice to Deviate from Zero  
**Field Type :** DZ  
**Field Name :** “DZ”  
**Description :** Notification time required for BM unit to change operating level from zero.  
**TIB Data Type :** TIBRVMSG\_I32  
**C/Java Type :** int  
**Messages containing field :** NDZ  
**Additional Information :** Value in Minutes.  
Valid values: 0 to 999.

#### 4.7.4.7~~28~~ Number of Records

**Field Data Type :** Number of Records  
**Field Type :** NR  
**Field Name :** “NR”  
**Description :** A number of records contained within the message.  
The context of this field will be described at the message definition level.  
**TIB Data Type :** TIBRVMSG\_I32  
**C/Java Type :** int  
**Messages containing field :** OCNMFD, OCNMFW, NDFD, NDFW, MELNGC, IMBALNGC, INDDem, INDGEN, NDF, TSDF, TSDFD, TSDFW, WINDFOR, FOU2T14D, FOU2T52W, UOU2T14D, UOU2T52W, OCNMFD2, OCNMFW2  
**Additional Information :**

#### 4.7.4.739 Number of Spot Points

**Field Data Type :** Number of Spot Points  
**Field Type :** NP  
**Field Name :** "NP"  
**Description :** The number of spot times and levels that are contained within a message.  
**TIB Data Type :** TIBRVMSG\_I32  
**C/Java Type :** int  
**Messages containing field :** FPN, QPN, BOD, BOAL, MIL, MEL, BOALF  
**Additional Information :** See section on 'Conversion of Effective From/To Time Data to Spot Time Data'.

#### 4.7.4.7480 Offer Cashflow

**Field Data Type :** Offer Cashflow  
**Field Type :** OC  
**Field Name :** "OC"  
**Description :** The period offer cashflow for a single Bid-Offer pair.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** float  
**Messages containing field :** EBOCF  
**Additional Information :** Value in £.

#### 4.7.4.7581 Offer Price

**Field Data Type :** Offer Price  
**Field Type :** OP  
**Field Name :** "OP"  
**Description :** The offer price attached to a Bid-Offer pair for a given settlement period.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** float  
**Messages containing field :** BOD  
**Additional Information :** Value in £/MWh.

#### 4.7.4.7682 Offer Volume

**Field Data Type :** Offer Volume  
**Field Type :** OV  
**Field Name :** "OV"  
**Description :** The offer volume accepted for a Bid-Offer pair.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** float  
**Messages containing field :** BOAV, PTAV  
**Additional Information :** Value in MWh.

#### 4.7.4.~~77~~83 Output Usable

**Field Data Type :** Output Usable  
**Field Type :** OU  
**Field Name :** “OU”  
**Description :** The volume of energy expected to be available over a given period (in the case of Interconnectors, this is the expected capacity).  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** float  
**Messages containing field :** FOU2T14D, FOU2T52W, UOU2T14D, UOU2T52W  
**Additional Information :** Value in MW.  
Valid values: 0 to +99999

#### 4.7.4.~~78~~4 PAR Adjusted Volume

**Field Data Type :** PAR Adjusted Volume  
**Field Type :** PV  
**Field Name :** “PV”  
**Description :** The volume remaining against a stack item after applying PAR.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** Float  
**Messages containing field :** ISPSTACK  
**Additional Information :** Value in MWh.

#### 4.7.4.~~79~~85 Period Originally-Priced BM Unit Bid Volume

**Field Data Type :** Period Originally-Priced BM Unit Bid Volume  
**Field Type :** P6  
**Field Name :** “P6”  
**Description :** The total originally-priced bid volume of the associated BM Unit for a given Bid-Offer pair and settlement period.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** Float  
**Messages containing field :** DISPTAV  
**Additional Information :** Value in MWh.

#### 4.7.4.8~~0~~6 Period Originally-Priced BM Unit Offer Volume

**Field Data Type :** Period Originally-Priced BM Unit Offer Volume  
**Field Type :** P3  
**Field Name :** “P3”  
**Description :** The total originally-priced offer volume of the associated BM Unit for a given Bid-Offer pair and settlement period.

**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** Float  
**Messages containing field :** DISPTAV  
**Additional Information :** Value in MWh.

4.7.4.8~~17~~ Period Repriced BM Unit Bid Volume

**Field Data Type :** Period Repriced BM Unit Bid Volume  
**Field Type :** P5  
**Field Name :** "P5"  
**Description :** The total repriced bid volume of the associated BM Unit for a given Bid-Offer pair and settlement period.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** Float  
**Messages containing field :** DISPTAV  
**Additional Information :** Value in MWh.

4.7.4.8~~28~~ Period Repriced BM Unit Offer Volume

**Field Data Type :** Period Repriced BM Unit Offer Volume  
**Field Type :** P2  
**Field Name :** "P2"  
**Description :** The total repriced offer volume of the associated BM Unit for a given Bid-Offer pair and settlement period.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** Float  
**Messages containing field :** DISPTAV  
**Additional Information :** Value in MWh.

4.7.4.8~~39~~ Period Tagged BM Unit Bid Volume

**Field Data Type :** Period Tagged BM Unit Bid Volume  
**Field Type :** P4  
**Field Name :** "P4"  
**Description :** The total tagged bid volume of the associated BM Unit for a given Bid-Offer pair and settlement period.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** Float  
**Messages containing field :** DISPTAV  
**Additional Information :** Value in MWh.

4.7.4.~~84~~90 Period Tagged BM Unit Offer Volume

**Field Data Type :** Period Tagged BM Unit Offer Volume  
**Field Type :** P1  
**Field Name :** "P1"



**Description :** The total tagged offer volume of the associated BM Unit for a given Bid-Offer pair and settlement period.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** Float  
**Messages containing field :** DISPTAV  
**Additional Information :** Value in MWh.

#### 4.7.4.8591 PN Level Value

**Field Data Type :** PN Level Value  
**Field Type :** VP  
**Field Name :** “VP”  
**Description :** Level of Physical Notice. Used to describe either a ‘from level’ or a ‘to level’ of Final or Quiescent PN.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** float  
**Messages containing field :** FPN, QPN  
**Additional Information :** Value in MW.

#### 4.7.4.8692 Price Derivation Code

**Field Data Type :** Price Derivation Code  
**Field Type :** PD  
**Field Name :** “PD”  
**Description :** A 2 character code that describes how the SBP and SSP were derived  
**TIB Data Type :** TIBRVMSG\_STRING  
**C/Java Type :** Char\*/String  
**Messages containing field :** NETEBSP, DISEBSP  
**Additional Information :** Valid Values: are defined in BMRA-I006

#### 4.7.4.8793 Publishing Time

**Field Data Type :** Publishing Time  
**Field Type :** TP  
**Field Name :** “TP”  
**Description :** The time a message or a particular field was originally published. The context of this field will be described at the message definition level.  
**TIB Data Type :** TIBRVMSG\_DATETIME  
**C/Java Type :** time\_t/Date  
**Messages containing field :** OCNMFD, OCNMFW, NDFD, NDFW, MELNGC, IMBALNGC, INDDem, INDGEN, SYSWARN, INDO, MSG, NDF, TSDF, TSDFD, TSDFW, ITSDO, TEMP, FUELINST, FUELHH, WINDFOR,

NONBM, INDOD, FOU2T14D, FOU2T52W,  
UOU2T14D, UOU2T52W, OCNMFD2, OCNMFW2

**Additional Information :**

4.7.4.~~88~~94 Replacement Price

**Field Data Type :** Replacement Price  
**Field Type :** RP  
**Field Name :** “RP”  
**Description :** The Replacement Price used for a given settlement period.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** Float  
**Messages containing field :** DISEBSP  
**Additional Information :** Value in £/MWh.

4.7.4.~~89~~5 Replacement Price Calculation Volume

**Field Data Type :** Replacement Price Calculation Volume  
**Field Type :** RV  
**Field Name :** “RV”  
**Description :** The derived Replacement Price Calculation Volume for a given Settlement Period (as defined in the Indicative System Price Calculation function in the BMRA URS).  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** Float  
**Messages containing field :** DISEBSP  
**Additional Information :** Value in MWh.

4.7.4.9~~0~~6 Repriced Indicator

**Field Data Type :** Repriced Indicator  
**Field Type :** RI  
**Field Name :** “RI”  
**Description :** A value of ‘T’ indicates where the associated stack item has been repriced.  
**TIB Data Type :** TIBRVMSG\_STRING  
**C/Java Type :** Char\*/String  
**Messages containing field :** ISPSTACK  
**Additional Information :** Valid Values: ‘T’ or ‘F’.

4.7.4.9~~4~~7 Run Down Elbow 2

**Field Data Type :** Run Down Elbow 2

**Field Type :** RB  
**Field Name :** "RB"  
**Description :** The point at which run down rate 2 applies.  
**TIB Data Type :** TIBRVMSG\_I32  
**C/Java Type :** int  
**Messages containing field :** RDRE, RDRI  
**Additional Information :** Value in whole MW.

#### 4.7.4.9~~28~~ Run Down Elbow 3

**Field Data Type :** Run Down Elbow 3  
**Field ~~name~~ Type :** RC  
**Field Name :** "RC"  
**Description :** The point at which run down rate 3 applies.  
**TIB Data Type :** TIBRVMSG\_I32  
**C/Java Type :** int  
**Messages containing field :** RDRE, RDRI  
**Additional Information :** Value in whole MW.

#### 4.7.4.99 Run Down Elbow 4

**Field Data Type :** Run Down Elbow 4  
**Field Type :** RD  
**Field Name :** "RD"  
**Description :** The point at which run down rate 4 applies.  
**TIB Data Type :** TIBRVMSG\_I32  
**C/Java Type :** int  
**Messages containing field :** RDRE, RDRI  
**Additional Information :** Value in whole MW.

#### 4.7.4.100 Run Down Elbow 5

**Field Data Type :** Run Down Elbow 5  
**Field Type :** RE  
**Field Name :** "RE"  
**Description :** The point at which run down rate 5 applies.  
**TIB Data Type :** TIBRVMSG\_I32  
**C/Java Type :** int  
**Messages containing field :** RDRE, RDRI  
**Additional Information :** Value in whole MW.

#### 4.7.4.101 Run Down Elbow 6

**Field Data Type :** Run Down Elbow 6  
**Field Type :** RF  
**Field Name :** “RF”  
**Description :** The point at which run down rate 6 applies.  
**TIB Data Type :** TIBRVMSG\_I32  
**C/Java Type :** int  
**Messages containing field :** RDRE, RDRI  
**Additional Information :** Value in whole MW.

#### 4.7.4.102 Run Down Elbow 7

**Field Data Type :** Run Down Elbow 7  
**Field Type :** RG  
**Field Name :** “RG”  
**Description :** The point at which run down rate 7 applies.  
**TIB Data Type :** TIBRVMSG\_I32  
**C/Java Type :** int  
**Messages containing field :** RDRE, RDRI  
**Additional Information :** Value in whole MW.

#### 4.7.4.103 Run Down Elbow 8

**Field Data Type :** Run Down Elbow 8  
**Field Type :** RH  
**Field Name :** “RH”  
**Description :** The point at which run down rate 8 applies.  
**TIB Data Type :** TIBRVMSG\_I32  
**C/Java Type :** int  
**Messages containing field :** RDRE, RDRI  
**Additional Information :** Value in whole MW.

#### 4.7.4.104 Run Down Elbow 9

**Field Data Type :** Run Down Elbow 9  
**Field Type :** RJ  
**Field Name :** “RJ”  
**Description :** The point at which run down rate 9 applies.  
**TIB Data Type :** TIBRVMSG\_I32  
**C/Java Type :** int  
**Messages containing field :** RDRE, RDRI  
**Additional Information :** Value in whole MW.

#### 4.7.4.105 Run Down Elbow 10

**Field Data Type :** Run Down Elbow 10

**Field Type :** RK  
**Field Name :** “RK”  
**Description :** The point at which run down rate 10 applies.  
**TIB Data Type :** TIBRVMSG\_I32  
**C/Java Type :** int  
**Messages containing field :** RDRE, RDRI  
**Additional Information :** Value in whole MW.

#### 4.7.4.~~93~~106 Run Down Rate 1

**Field Data Type :** Run Down Rate 1  
**Field ~~Name~~-Type :** R1  
**Field Name :** “R1”  
**Description :** Decrease in active power consumption between zero and run down elbow 2.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** float  
**Messages containing field :** RDRE, RDRI  
**Additional Information :** Value in MW/Minute.  
Valid values: 0.02 to 999.0.

#### 4.7.4.~~94~~107 Run Down Rate 2

**Field Data Type :** Run Down Rate 2  
**Field ~~Name~~-Type :** R2  
**Field Name :** “R2”  
**Description :** Decrease in active power consumption between run down elbows 2 and 3.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** float  
**Messages containing field :** RDRE, RDRI  
**Additional Information :** Value in MW/Minute.  
Valid values: 0.02 to 999.0 or 0 (representing a null value).

#### 4.7.4.~~95~~108 Run Down Rate 3

**Field Data Type :** Run Down Rate 3  
**Field ~~Name~~-Type :** R3  
**Field Name :** “R3”  
**Description :** Decrease in active power consumption after run down elbow 3.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** float  
**Messages containing field :** RDRE, RDRI

**Additional Information :** Value in MW/Minute.  
Valid values: 0.02 to 999.0 or 0 (representing a null value).

#### 4.7.4.109 Run Down Rate 4

**Field Data Type :** Run Down Rate 4  
**Field Type :** R4  
**Field Name :** “R4”  
**Description :** Decrease in active power consumption after run down elbow 4.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** float  
**Messages containing field :** RDRE, RDRI  
**Additional Information :** Value in MW/Minute.  
Valid values: 0.02 to 999.0 or 0 (representing a null value).

#### 4.7.4.110 Run Down Rate 5

**Field Data Type :** Run Down Rate 5  
**Field Type :** R5  
**Field Name :** “R5”  
**Description :** Decrease in active power consumption after run down elbow 5.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** float  
**Messages containing field :** RDRE, RDRI  
**Additional Information :** Value in MW/Minute.  
Valid values: 0.02 to 999.0 or 0 (representing a null value).

#### 4.7.4.111 Run Down Rate 6

**Field Data Type :** Run Down Rate 6  
**Field Type :** R6  
**Field Name :** “R6”  
**Description :** Decrease in active power consumption after run down elbow 6.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** float  
**Messages containing field :** RDRE, RDRI  
**Additional Information :** Value in MW/Minute.  
Valid values: 0.02 to 999.0 or 0 (representing a null value).

#### 4.7.4.112 Run Down Rate 7

**Field Data Type :** Run Down Rate 7  
**Field Type :** R7  
**Field Name :** “R7”  
**Description :** Decrease in active power consumption after run down elbow 7.  
**TIB Data Type :** TIBRVMSG F32  
**C/Java Type :** float  
**Messages containing field :** RDRE, RDRI  
**Additional Information :** Value in MW/Minute.  
Valid values: 0.02 to 999.0 or 0 (representing a null value).

#### 4.7.4.113 Run Down Rate 8

**Field Data Type :** Run Down Rate 8  
**Field Type :** R8  
**Field Name :** “R8”  
**Description :** Decrease in active power consumption after run down elbow 8.  
**TIB Data Type :** TIBRVMSG F32  
**C/Java Type :** float  
**Messages containing field :** RDRE, RDRI  
**Additional Information :** Value in MW/Minute.  
Valid values: 0.02 to 999.0 or 0 (representing a null value).

#### 4.7.4.114 Run Down Rate 9

**Field Data Type :** Run Down Rate 9  
**Field Type :** R9  
**Field Name :** “R9”  
**Description :** Decrease in active power consumption after run down elbow 9.  
**TIB Data Type :** TIBRVMSG F32  
**C/Java Type :** float  
**Messages containing field :** RDRE, RDRI  
**Additional Information :** Value in MW/Minute.  
Valid values: 0.02 to 999.0 or 0 (representing a null value).

#### 4.7.4.115 Run Down Rate 10

**Field Data Type :** Run Down Rate 10  
**Field Type :** R10

**Field Name :** “R10”  
**Description :** Decrease in active power consumption after run down elbow 10.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** float  
**Messages containing field :** RDRE, RDRI  
**Additional Information :** Value in MW/Minute.  
Valid values: 0.02 to 999.0 or 0 (representing a null value).

#### 4.7.4.~~96~~116 Run Up Elbow 2

**Field Data Type :** Run Up Elbow 2  
**Field Type :** UB  
**Field Name :** “UB”  
**Description :** The point at which run up rate 2 applies.  
**TIB Data Type :** TIBRVMSG\_I32  
**C/Java Type :** int  
**Messages containing field :** RURE, RURI  
**Additional Information :** Value in whole MW.

#### 4.7.4.~~97~~117 Run Up Elbow 3

**Field Data Type :** Run Up Elbow 3  
**Field Type :** UC  
**Field Name :** “UC”  
**Description :** The point at which run up rate 3 applies.  
**TIB Data Type :** TIBRVMSG\_I32  
**C/Java Type :** int  
**Messages containing field :** RURE, RURI  
**Additional Information :** Value in whole MW.

#### 4.7.4.118 Run Up Elbow 4

**Field Data Type :** Run Up Elbow 4  
**Field Type :** UD  
**Field Name :** “UD”  
**Description :** The point at which run up rate 4 applies.  
**TIB Data Type :** TIBRVMSG\_I32  
**C/Java Type :** int  
**Messages containing field :** RURE, RURI  
**Additional Information :** Value in whole MW.

#### 4.7.4.119 Run Up Elbow 5

**Field Data Type :** Run Up Elbow 5



**Field Type :** UE  
**Field Name :** “UE”  
**Description :** The point at which run up rate 5 applies.  
**TIB Data Type :** TIBRVMSG\_I32  
**C/Java Type :** int  
**Messages containing field :** RURE, RURI  
**Additional Information :** Value in whole MW.

#### 4.7.4.120 Run Up Elbow 6

**Field Data Type :** Run Up Elbow 6  
**Field Type :** UF  
**Field Name :** “UF”  
**Description :** The point at which run up rate 6 applies.  
**TIB Data Type :** TIBRVMSG\_I32  
**C/Java Type :** int  
**Messages containing field :** RURE, RURI  
**Additional Information :** Value in whole MW.

#### 4.7.4.121 Run Up Elbow 7

**Field Data Type :** Run Up Elbow 7  
**Field Type :** UG  
**Field Name :** “UG”  
**Description :** The point at which run up rate 7 applies.  
**TIB Data Type :** TIBRVMSG\_I32  
**C/Java Type :** int  
**Messages containing field :** RURE, RURI  
**Additional Information :** Value in whole MW.

#### 4.7.4.122 Run Up Elbow 8

**Field Data Type :** Run Up Elbow 8  
**Field Type :** UH  
**Field Name :** “UH”  
**Description :** The point at which run up rate 8 applies.  
**TIB Data Type :** TIBRVMSG\_I32  
**C/Java Type :** int  
**Messages containing field :** RURE, RURI  
**Additional Information :** Value in whole MW.

#### 4.7.4.123 Run Up Elbow 9

**Field Data Type :** Run Up Elbow 9  
**Field Type :** UI

**Field Name :** “UI”  
**Description :** The point at which run up rate 9 applies.  
**TIB Data Type :** TIBRVMSG\_I32  
**C/Java Type :** int  
**Messages containing field :** RURE, RURI  
**Additional Information :** Value in whole MW.

#### 4.7.4.124 Run Up Elbow 10

**Field Data Type :** Run Up Elbow 10  
**Field Type :** UJ  
**Field Name :** “UJ”  
**Description :** The point at which run up rate 10 applies.  
**TIB Data Type :** TIBRVMSG\_I32  
**C/Java Type :** int  
**Messages containing field :** RURE, RURI  
**Additional Information :** Value in whole MW.

#### 4.7.4.98125 Run Up Rate 1

**Field Data Type :** Run Up Rate 1  
**Field Type :** U1  
**Field Name :** “U1”  
**Description :** Increase in active power production between zero and run up elbow 2.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** float  
**Messages containing field :** RURE, RURI  
**Additional Information :** Value in MW/Minute.  
 Valid values: 0.02 to 999.0.

#### 4.7.4.99126 Run Up Rate 2

**Field Data Type :** Run Up Rate 2  
**Field Type :** U2  
**Field Name :** “U2”  
**Description :** Increase in active power production between run up elbows 2 and 3.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** float  
**Messages containing field :** RURE, RURI  
**Additional Information :** Value in MW/Minute.  
 Valid values: 0.02 to 999.0 or 0 (representing a null value).

#### 4.7.4.10027 Run Up Rate 3

**Field Data Type :** Run Up Rate 3

**Field Type :** U3

**Field Name :** “U3”

**Description :** Increase in active power production after run up elbow 3.

**TIB Data Type :** TIBRVMSG\_F32

**C/Java Type :** float

**Messages containing field :** RURE, RURI

**Additional Information :** Value in MW/Minute.

Valid values: 0.02 to 999.0 or 0 (representing a null value).

#### 4.7.4.128 Run Up Rate 4

**Field Data Type :** Run Up Rate 4

**Field Type :** U4

**Field Name :** “U4”

**Description :** Increase in active power production after run up elbow 4.

**TIB Data Type :** TIBRVMSG\_F32

**C/Java Type :** float

**Messages containing field :** RURE, RURI

**Additional Information :** Value in MW/Minute.

Valid values: 0.02 to 999.0 or 0 (representing a null value).

#### 4.7.4.129 Run Up Rate 5

**Field Data Type :** Run Up Rate 5

**Field Type :** U5

**Field Name :** “U5”

**Description :** Increase in active power production after run up elbow 5.

**TIB Data Type :** TIBRVMSG\_F32

**C/Java Type :** float

**Messages containing field :** RURE, RURI

**Additional Information :** Value in MW/Minute.

Valid values: 0.02 to 999.0 or 0 (representing a null value).

#### 4.7.4.130 Run Up Rate 6

**Field Data Type :** Run Up Rate 6

**Field Type :** U6

**Field Name :** “U6”  
**Description :** Increase in active power production after run up elbow 6.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** float  
**Messages containing field :** RURE, RURI  
**Additional Information :** Value in MW/Minute.  
Valid values: 0.02 to 999.0 or 0 (representing a null value).

#### 4.7.4.131 Run Up Rate 7

**Field Data Type :** Run Up Rate 7  
**Field Type :** U7  
**Field Name :** “U7”  
**Description :** Increase in active power production after run up elbow 7.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** float  
**Messages containing field :** RURE, RURI  
**Additional Information :** Value in MW/Minute.  
Valid values: 0.02 to 999.0 or 0 (representing a null value).

#### 4.7.4.132 Run Up Rate 8

**Field Data Type :** Run Up Rate 8  
**Field Type :** U8  
**Field Name :** “U8”  
**Description :** Increase in active power production after run up elbow 8.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** float  
**Messages containing field :** RURE, RURI  
**Additional Information :** Value in MW/Minute.  
Valid values: 0.02 to 999.0 or 0 (representing a null value).

#### 4.7.4.133 Run Up Rate 9

**Field Data Type :** Run Up Rate 9  
**Field Type :** U9  
**Field Name :** “U9”  
**Description :** Increase in active power production after run up elbow 9.  
**TIB Data Type :** TIBRVMSG\_F32

**C/Java Type :** float  
**Messages containing field :** RURE, RURI  
**Additional Information :** Value in MW/Minute.  
Valid values: 0.02 to 999.0 or 0 (representing a null value).

#### 4.7.4.134 Run Up Rate 10

**Field Data Type :** Run Up Rate 10  
**Field Type :** U10  
**Field Name :** “U10”  
**Description :** Increase in active power production after run up elbow 10.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** float  
**Messages containing field :** RURE, RURI  
**Additional Information :** Value in MW/Minute.  
Valid values: 0.02 to 999.0 or 0 (representing a null value).

#### 4.7.4.1~~304~~5 Sell Price

**Field Data Type :** Sell Price  
**Field Type :** PS  
**Field Name :** “PS”  
**Description :** The system sell price for a particular settlement period.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** float  
**Messages containing field :** NETEBSP, DISEBSP  
**Additional Information :** Value in £/MWh.

#### 4.7.4.1~~023~~6 Sell Price Price Adjustment

**Field Data Type :** Sell Price Price Adjustment  
**Field Type :** A3  
**Field Name :** “A3”  
**Description :** Adjustment applied to quotient in computation of Sell Price  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** float  
**Messages containing field :** NETBSAD, NETEBSP, DISEBSP  
**Additional Information :** Value in £/MWh.

#### 4.7.4.1~~03~~7 Sequence Number

**Field Data Type :** Sequence Number  
**Field Type :** SN  
**Field Name :** “SN”  
**Description :** The stack item’s Index number, representing the relative position of the associated stack item within its related stack. A value of 1 represents the first item in a stack.  
**TIB Data Type :** TIBRVMSG\_I32  
**C/Java Type :** Int  
**Messages containing field :** ISPSTACK  
**Additional Information :** A positive integer greater than zero.

#### 4.7.4.1~~04~~38 Settlement Date

**Field Data Type :** Settlement Date  
**Field Type :** SD  
**Field Name :** “SD”  
**Description :** The settlement date.  
**TIB Data Type :** TIBRVMSG\_DATETIME  
**C/Java Type :** time\_t/Date  
**Messages containing field :** OCNMFD, NDFD, MELNGC, IMBALNGC, INDDDEM, INDGEN, INDO, FPN, QPN, BOD, MIL, MEL, BOAV, PTAV, EBOCF, NETEBSP, TBOD, NDF, TSDF, TSDFD, ITSDO, FUELINST, FUELHH, WINDFOR, NONBM, INDOD, DISEBSP, NETBSAD, DISBSAD, DISPTAV, ISPSTACK, OCNMFD2, FOU2T14D, UOU2T14D  
**Additional Information :** The time section of the DateTime is truncated to zero hours, zero minutes and zero seconds

#### 4.7.4.1~~05~~39 Settlement Period

**Field Data Type :** Settlement Period  
**Field Type :** SP  
**Field Name :** “SP”  
**Description :** The settlement Period.  
**TIB Data Type :** TIBRVMSG\_I32  
**C/Java Type :** int  
**Messages containing field :** OCNMFD, NDFD, MELNGC, IMBALNGC, INDDDEM, INDGEN, INDO, FPN, QPN, BOD, MIL, MEL, BOAV, PTAV, EBOCF, NETEBSP, TBOD, NDF, TSDF, TSDFD, ITSDO, FUELINST, FUELHH, WINDFOR, NONBM, DISEBSP, NETBSAD, DISBSAD, DISPTAV, ISPSTACK  
**Additional Information :** Valid values : 1 - 50

#### 4.7.4.1~~06~~40 Short Acceptance Flag

**Field Data Type :** Short Acceptance Flag  
**Field Type :** SA  
**Field Name :** "SA"  
**Description :** Flag indicating whether the Acceptance was of "short" duration  
**TIB Data Type :** TIBRVMSG\_STRING  
**C/Java Type :** Char\*/String  
**Messages containing field :** BOAV  
**Additional Information :** Valid values: 'S' or 'L'

#### 4.7.4.1~~07~~41 SO-Flag

**Field Data Type :** SO-Flag  
**Field Type :** SO  
**Field Name :** "SO"  
**Description :** A value of 'T' indicates where an Acceptance or Balancing Services Adjustment Action item should be considered to be potentially impacted by transmission constraints.  
**TIB Data Type :** TIBRVMSG\_STRING  
**C/Java Type :** Char\*/String  
**Messages containing field :** BOALF, ISPSTACK, DISBSAD  
**Additional Information :** Valid Values: 'T' or 'F'.

#### 4.7.4.1~~08~~42 SO-SO Start Time

**Field Data Type :** SO-SO Start Time  
**Field Type :** ST  
**Field Name :** "ST"  
**Description :** The date and time from which an SO-SO price applies.  
**TIB Data Type :** TIBRVMSG\_DATETIME  
**C/Java Type :** time\_t/Date  
**Messages containing field :** SOSO  
**Additional Information :**

#### 4.7.4.1~~09~~43 SO-SO Trade Direction

**Field Data Type :** SO-SO Trade Direction  
**Field Type :** TD  
**Field Name :** "TD"  
**Description :** Flag indicating whether the direction of an SO-SO trade is up or down.  
**TIB Data Type :** TIBRVMSG\_STRING  
**C/Java Type :** Char\*/String

**Messages containing field :** SOSO  
**Additional Information :** Valid values: 'A01' (up) or 'A02' (down)

4.7.4.1~~10~~44 SO-SO Trade Type

**Field Data Type :** SO-SO Trade Type  
**Field Type :** TT  
**Field Name :** "TT"  
**Description :** The type of SO-SO Trade.  
**TIB Data Type :** TIBRVMSG\_STRING  
**C/Java Type :** Char\*/String

**Messages containing field :** SOSO  
**Additional Information :**

4.7.4.1~~11~~45 Spot Time

**Field Data Type :** Spot Time  
**Field Type :** TS  
**Field Name :** "TS"  
**Description :** The time applicable to a given value in a Spot Point pair.  
**TIB Data Type :** TIBRVMSG\_DATETIME  
**C/Java Type :** time\_t/Date  
**Messages containing field :** FPN, QPN, BOD, BOAL, MIL, MEL, TEMP, FREQ, FUELINST, BOALF  
**Additional Information :** See section on 'Conversion of Effective From/To times to Spot Times'

4.7.4.1~~41~~26 Stable Export Limit

**Field Data Type :** Stable Export Limit  
**Field Type :** SE  
**Field Name :** "SE"  
**Description :** Range in which power export is stable.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** float  
**Messages containing field :** SEL  
**Additional Information :** Value in MW.  
Valid Values: 0 to 9999.

4.7.4.1~~0113~~47 Stable Import Limit

**Field Data Type :** Stable Import Limit  
**Field Type :** SI  
**Field Name :** "SI"  
**Description :** Range in which power import is stable.



**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** float  
**Messages containing field :** SIL  
**Additional Information :** Value in MW.  
Valid Values: -9999 to 0.

#### 4.7.4.1~~48~~ Stack Item Final Price

**Field Data Type :** Stack Item Final Price  
**Field Type :** FP  
**Field Name :** “FP”  
**Description :** The final price of the associated stack item as used to determine the item’s final cost.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** Float  
**Messages containing field :** ISPSTACK  
**Additional Information :** Value in £/MWh.

#### 4.7.4.1~~49~~ Stack Item Original Price

**Field Data Type :** Stack Item Original Price  
**Field Type :** IP  
**Field Name :** “IP”  
**Description :** The original price of the associated stack item.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** Float  
**Messages containing field :** ISPSTACK  
**Additional Information :** Value in £/MWh.

#### 4.7.4.1~~50~~ Stack Item Volume

**Field Data Type :** Stack Item Volume  
**Field Type :** IV  
**Field Name :** “IV”  
**Description :** The volume of the associated stack item.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** Float  
**Messages containing field :** ISPSTACK  
**Additional Information :** Value in MWh.

#### 4.7.4.1~~51~~ System Frequency

**Field Data Type :** System Frequency  
**Field Type :** SF  
**Field Name :** “SF”  
**Description :** System Frequency in Hz.

**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** Float  
**Messages containing field :** FREQ  
**Additional Information :** Value in Hz.  
Valid Values: 0 to 99.999

4.7.4.1~~18~~52 System Message Text

**Field Data Type :** System Message text  
**Field Type :** SM  
**Field Name :** “SM”  
**Description :** This field contains the body text of any system messages that are generated by BMRA.

**TIB Data Type :** TIBRVMSG\_STRING  
**C/Java Type :** Char\*/String  
**Messages containing field :** SYSMMSG  
**Additional Information :** The message text will be plain ascii text, in the majority of cases, be less than 4Kb in length.

4.7.4.1~~19~~53 System Total Priced Accepted Bid Volume

**Field Data Type :** System Total Priced Accepted Bid Volume  
**Field Type :** PC  
**Field Name :** “PC”  
**Description :** System wide total Priced Accepted Bid Volume for the Settlement Period  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** Float  
**Messages containing field :** NETEBSP, DISEBSP  
**Additional Information :** Value in MWh.

4.7.4.1~~20~~54 System Total Priced Accepted Offer Volume

**Field Data Type :** System Total Priced Accepted Offer Volume  
**Field Type :** PP  
**Field Name :** “PP”  
**Description :** System wide total Priced Accepted Offer Volume for the Settlement Period  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** Float  
**Messages containing field :** NETEBSP, DISEBSP  
**Additional Information :** Value in MWh.

4.7.4.1~~21~~55 System Total Unpriced Accepted Offer Volume

**Field Data Type :** System Total Unpriced Accepted Offer Volume

**Field Type :** AP  
**Field Name :** "AP"  
**Description :** System wide total Unpriced Accepted Offer Volume for the Settlement Period  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** Float  
**Messages containing field :** NETEBSP  
**Additional Information :** Value in MWh.

#### 4.7.4.1~~22~~56 System Total Unpriced Accepted Bid Volume

**Field Data Type :** System Total Unpriced Accepted Bid Volume  
**Field Type :** AC  
**Field Name :** "AC"  
**Description :** System wide total Unpriced Accepted Bid Volume for the Settlement Period  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** Float  
**Messages containing field :** NETEBSP  
**Additional Information :** Value in MWh.

#### 4.7.4.1~~52~~37 System Warning Text

**Field Data Type :** System Warning text  
**Field Type :** SW  
**Field Name :** "SW"  
**Description :** This field contains the body text of any system warnings that are announced by the System Operator.  
**TIB Data Type :** TIBRVMSG\_STRING  
**C/Java Type :** char\*/String  
**Messages containing field :** SYSWARN  
**Additional Information :** The warning text will be plain ascii text, in the majority of cases, be less than 4Kb in length.

#### 4.7.4.1~~24~~58 TLM Adjusted Cost

**Field Data Type :** TLM Adjusted Cost  
**Field Type :** TC  
**Field Name :** "TC"  
**Description :** The derived cost of a stack item based on the final untaged volume, price and associated transmission loss multiplier.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** Float  
**Messages containing field :** ISPSTACK  
**Additional Information :** Value in £.

#### 4.7.4.1~~25~~9 TLM Adjusted Volume

**Field Data Type :** TLM Adjusted Volume  
**Field Type :** TV  
**Field Name :** “TV”  
**Description :** The derived volume of a stack item based on the final untagged volume and associated transmission loss multiplier.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** Float  
**Messages containing field :** ISPSTACK  
**Additional Information :** Value in MWh.

#### 4.7.4.1~~26~~0 Total Bid Volume

**Field Data Type :** Total Bid Volume  
**Field Type :** BT  
**Field Name :** “BT”  
**Description :** System wide total Bid Volume for the Settlement Period.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** Float  
**Messages containing field :** TBOD  
**Additional Information :** Value in MWh

#### 4.7.4.1~~27~~61 Total Offer Volume

**Field Data Type :** Total Offer Volume  
**Field Type :** OT  
**Field Name :** “OT”  
**Description :** System wide total Offer Volume for the Settlement Period.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** Float  
**Messages containing field :** TBOD  
**Additional Information :** Value in MWh

#### 4.7.4.1~~28~~62 Total Registered Capacity

**Field Data Type :** Total Registered Capacity  
**Field Type :** TR  
**Field Name :** “TR”  
**Description :** Total Registered Wind Generation Capacity (MW).  
**TIB Data Type :** TIBRVMSG\_I32  
**C/Java Type :** Int  
**Messages containing field :** WINDFOR  
**Additional Information :**

4.7.4.1~~29~~63 Total System Accepted Bid Volume

**Field Data Type :** Total System Accepted Bid Volume  
**Field Type :** AB  
**Field Name :** “AB”  
**Description :** System wide total Accepted Bid Volume for the Settlement Period.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** Float  
**Messages containing field :** NETEBSP, DISEBSP  
**Additional Information :** Value in MWh

4.7.4.1~~30~~64 Total System Accepted Offer Volume

**Field Data Type :** Total System Accepted Offer Volume  
**Field Type :** AO  
**Field Name :** “AO”  
**Description :** System wide total Accepted Offer Volume for the Settlement Period.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** Float  
**Messages containing field :** NETEBSP, DISEBSP  
**Additional Information :** Value in MWh

4.7.4.1~~34~~65 Total System Adjustment Buy Volume

**Field Data Type :** Total System Adjustment Buy Volume  
**Field Type :** J2  
**Field Name :** “J2”  
**Description :** Total volume of Adjustment items held on the Buy Stack.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** Float  
**Messages containing field :** DISEBSP  
**Additional Information :** Value in MWh.

4.7.4.1~~32~~66 Total System Adjustment Sell Volume

**Field Data Type :** Total System Adjustment Sell Volume  
**Field Type :** J1  
**Field Name :** “J1”  
**Description :** Total volume of Adjustment items held on the Sell Stack.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** Float

**Messages containing field :** DISEBSP  
**Additional Information :** Value in MWh.

4.7.4.1~~33~~67 Total System Tagged Accepted Bid Volume

**Field Data Type :** Total System Tagged Accepted Bid Volume  
**Field Type :** T2  
**Field Name :** "T2"  
**Description :** Total tagged Accepted Bid volume.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** Float  
**Messages containing field :** DISEBSP  
**Additional Information :** Value in MWh.

4.7.4.1~~34~~68 Total System Tagged Accepted Offer Volume

**Field Data Type :** Total System Tagged Accepted Offer Volume  
**Field Type :** T1  
**Field Name :** "T1"  
**Description :** Total tagged Accepted Offer volume.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** Float  
**Messages containing field :** DISEBSP  
**Additional Information :** Value in MWh.

4.7.4.1~~35~~69 Total System Tagged Adjustment Buy Volume

**Field Data Type :** Total System Tagged Adjustment Buy Volume  
**Field Type :** J4  
**Field Name :** "J4"  
**Description :** Total tagged volume of Adjustment items held on the Buy Stack.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** Float  
**Messages containing field :** DISEBSP  
**Additional Information :** Value in MWh.

4.7.4.1~~36~~70 Total System Tagged Adjustment Sell Volume

**Field Data Type :** Total System Tagged Adjustment Sell Volume  
**Field Type :** J3  
**Field Name :** "J3"  
**Description :** Total tagged volume of Adjustment items held on the Sell Stack.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** Float

**Messages containing field :** DISEBSP  
**Additional Information :** Value in MWh.

4.7.4.1~~37~~1 Trade Quantity

**Field Data Type :** Trade Quantity  
**Field Type :** TQ  
**Field Name :** "TQ"  
**Description :** Level of an offered SO-SO trade.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** Float  
**Messages containing field :** SOSO  
**Additional Information :** Value in MW

4.7.4.1~~38~~72 Trade Price

**Field Data Type :** Trade Price  
**Field Type :** PT  
**Field Name :** "PT"  
**Description :** The price of an SO-SO trade.  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** Float  
**Messages containing field :** SOSO  
**Additional Information :** Value in unit currency per MWh. The currency used (e.g. EUR or GBP) will potentially be different for different SO-SO Trade Types (i.e. different Interconnectors and products)

4.7.4.1~~39~~73 Transmission Loss Multiplier

**Field Data Type :** Transmission Loss Multiplier  
**Field Type :** TM  
**Field Name :** "TM"  
**Description :** The Transmission Loss Multiplier for the associated stack item derived from its associated BM Unit (for Balancing Services Adjustment Action items the value is set as 1.)  
**TIB Data Type :** TIBRVMSG\_F32  
**C/Java Type :** Float  
**Messages containing field :** ISPSTACK  
**Additional Information :** Always a positive value.

4.7.4.1~~40~~74 Week Start Date

**Field Data Type :** Week Start Date

**Field Type :** WD  
**Field Name :** "WD"  
**Description :** The date of the Monday in a particular week.  
**TIB Data Type :** TIBRVMSG\_DATETIME  
**C/Java Type :** time\_t/Date  
**Messages containing field :** OCNMFW, NDFW, TSDFW  
**Additional Information :** The time section of the DateTime will be truncated to zero hours, zero minutes and zero seconds.

#### 4.7.4.1~~4~~<sup>75</sup> Zone Indicator

**Field Data Type :** Zone Indicator  
**Field Type :** ZI  
**Field Name :** "ZI"  
**Description :** The Zone that a forecast is applicable to  
**TIB Data Type :** TIBRVMSG\_STRING  
**C/Java Type :** char\*/String  
**Messages containing field :** INDDM, INDGEN, MELNGC, IMBALNGC, NDF, TSDF  
**Additional Information :** Valid Values: "B1", "B2", "B3", "B4", "B5", "B6", "B7", "B8", "B9", "B10", "B11", "B12", "B13", "B14", "B15", "B16", "B17" and "N"

#### 4.7.5.35 RURE - Run Up Rates Export

This messages contains dynamic data, which is published whenever it is received from the System Operator . The message describes the run up rates of a single BM Unit.

##### *Message Definition*

The following table lists the fields that are required in the message.

Field	Field Type	Description of field
<b>Effective From Time</b>	TE	Time that the following U* field values are effective from.
<b>Run up rate 1</b>	U1	
<b>Run up elbow 2</b>	UB	
<b>Run up rate 2</b>	U2	
<b>Run up elbow 3</b>	UC	
<b>Run up rate 3</b>	U3	



Field	Field Type	Description of field
<u>Run up elbow 4</u>	<u>UD</u>	
<u>Run up rate 4</u>	<u>U4</u>	
<u>Run up elbow 5</u>	<u>UE</u>	
<u>Run up rate 5</u>	<u>U5</u>	
<u>Run up elbow 6</u>	<u>UF</u>	
<u>Run up rate 6</u>	<u>U6</u>	
<u>Run up elbow 7</u>	<u>UG</u>	
<u>Run up rate 7</u>	<u>U7</u>	
<u>Run up elbow 8</u>	<u>UH</u>	
<u>Run up rate 8</u>	<u>U8</u>	
<u>Run up elbow 9</u>	<u>UI</u>	
<u>Run up rate 9</u>	<u>U9</u>	
<u>Run up elbow 10</u>	<u>UJ</u>	
<u>Run up rate 10</u>	<u>U10</u>	

*Message Subject Name*

BMRA.DYNAMIC.<BM\_UNIT>.RURE

#### 4.7.5.36 RURI - Run Up Rates Import

This messages contains dynamic data, which is published whenever it is received from the System Operator . The message describes the run up rates of a single BM Unit.

*Message Definition*

The following table lists the fields that are required in the message.

Field	Field Type	Description of field
<b>Effective From Time</b>	TE	Time that the following U* field values are effective from.
<b>Run up rate 1</b>	U1	
<b>Run up elbow 2</b>	UB	
<b>Run up rate 2</b>	U2	
<b>Run up elbow 3</b>	UC	
<del>Run up rate 3</del>	U3	
<u>Run up elbow 4</u>	<u>UD</u>	
<u>Run up rate 4</u>	<u>U4</u>	

Field	Field Type	Description of field
<u>Run up elbow 5</u>	<u>UE</u>	
<u>Run up rate 5</u>	<u>U5</u>	
<u>Run up elbow 6</u>	<u>UF</u>	
<u>Run up rate 6</u>	<u>U6</u>	
<u>Run up elbow 7</u>	<u>UG</u>	
<u>Run up rate 7</u>	<u>U7</u>	
<u>Run up elbow 8</u>	<u>UH</u>	
<u>Run up rate 8</u>	<u>U8</u>	
<u>Run up elbow 9</u>	<u>UI</u>	
<u>Run up rate 9</u>	<u>U9</u>	
<u>Run up elbow 10</u>	<u>UJ</u>	
<u>Run up rate 10</u>	<u>U10</u>	

*Message Subject Name*

BMRA.DYNAMIC.<BM\_UNIT>.RURI

#### 4.7.5.37 RDRE - Run Down Rates Export

This messages contains dynamic data, which is published whenever it is received from the System Operator . The message describes the run down rates of a single BM Unit.

*Message Definition*

The following table lists the fields that are required in the message.

Field	Field Type	Description of field
<b>Effective From Time</b>	TE	Time that the following R* field values are effective from.
<b>Run down rate 1</b>	R1	
<b>Run down elbow 2</b>	RB	
<b>Run down rate 2</b>	R2	
<b>Run down elbow 3</b>	RC	
<del>R</del> <b>Run down rate 3</b>	R3	
<u><b>Run down elbow 4</b></u>	<u>RD</u>	

Field	Field Type	Description of field
<u>Run down rate 4</u>	<u>R4</u>	
<u>Run down elbow 5</u>	<u>RE</u>	
<u>Run down rate 5</u>	<u>R5</u>	
<u>Run down elbow 6</u>	<u>RF</u>	
<u>Run down rate 6</u>	<u>R6</u>	
<u>Run down elbow 7</u>	<u>RG</u>	
<u>Run down rate 7</u>	<u>R7</u>	
<u>Run down elbow 8</u>	<u>RH</u>	
<u>Run down rate 8</u>	<u>R8</u>	
<u>Run down elbow 9</u>	<u>RJ</u>	
<u>Run down rate 9</u>	<u>R9</u>	
<u>Run down elbow 10</u>	<u>RK</u>	
<u>Run down rate 10</u>	<u>R10</u>	

#### *Message Subject Name*

BMRA.DYNAMIC.<BM\_UNIT>.RDRE

#### 4.7.5.38 RDRI - Run Down Rates Import

This messages contains dynamic data, which is published whenever it is received from the System Operator . The message describes the run down rates of a single BM Unit.

#### *Message Definition*

The following table lists the fields that are required in the message.

Field	Field Type	Description of field
<b>Effective From Time</b>	TE	Time that the following R* field values are effective from.
<b>Run down rate 1</b>	R1	
<b>Run down elbow 2</b>	RB	

Field	Field Type	Description of field
Run down rate 2	R2	
Run down elbow 3	RC	
<del>Run</del> Run down rate 3	R3	
<u>Run down elbow 4</u>	<u>RD</u>	
<u>Run down rate 4</u>	<u>R4</u>	
<u>Run down elbow 5</u>	<u>RE</u>	
<u>Run down rate 5</u>	<u>R5</u>	
<u>Run down elbow 6</u>	<u>RF</u>	
<u>Run down rate 6</u>	<u>R6</u>	
<u>Run down elbow 7</u>	<u>RG</u>	
<u>Run down rate 7</u>	<u>R7</u>	
<u>Run down elbow 8</u>	<u>RH</u>	
<u>Run down rate 8</u>	<u>R8</u>	
<u>Run down elbow 9</u>	<u>RJ</u>	
<u>Run down rate 9</u>	<u>R9</u>	
<u>Run down elbow 10</u>	<u>RK</u>	
<u>Run down rate 10</u>	<u>R10</u>	

#### *Message Subject Name*

BMRA.DYNAMIC.<BM\_UNIT>.RDRI

#### 4.7.5.44 SEL - Stable Export Limit

This messages contains dynamic data, which is published whenever it is received from the System Operator . The message describes the stable export limit of a single BM Unit.

#### *Message Definition*

The following table lists the fields that are required in the message.

Field	Field Type	Description of field
<b>Effective <del>From</del> Start Time</b>	TE	Time that the following SE field value is effective from.
<b>Stable Export Limit <del>From</del></b>	SE	
<b><u>Effective End Time</u></b>	<u>TX</u>	<u>Time that the following SE field value is effective to.</u>
<b><u>Stable Export Limit To</u></b>	<u>SE</u>	
<b><u>Notification Time</u></b>	<u>TS</u>	
<b><u>Notification Sequence</u></b>	<u>NP</u>	

*Message Subject Name*

BMRA.DYNAMIC.<BM\_UNIT>.SEL

#### 4.7.5.45 SIL - Stable Import Limit

This messages contains dynamic data, which is published whenever it is received from the System Operator . The message describes the stable import limit of a single BM Unit.

*Message Definition*

The following table lists the fields that are required in the message.

Field	Field Type	Description of field
<b>Effective <del>From</del> Start Time</b>	TE	Time that the following SI field value is effective from.
<b>Stable Import Limit <del>From</del></b>	SI	
<b><u>Effective End Time</u></b>	<u>TX</u>	<u>Time that the following SI field value is effective to.</u>
<b><u>Stable Import Limit To</u></b>	<u>SI</u>	
<b><u>Notification Time</u></b>	<u>TS</u>	
<b><u>Notification Sequence</u></b>	<u>NP</u>	

*Message Subject Name*

BMRA.DYNAMIC.<BM\_UNIT>.SIL

4.7.5.46 MDV - Maximum Delivery Volume

This messages contains dynamic data, which is published whenever it is received from the System Operator . The message describes the maximum delivery volume of a single BM Unit.

*Message Definition*

The following table lists the fields that are required in the message.

Field	Field Type	Description of field
<b>Effective From Time</b>	TE	Time that the following DV field value is effective from.
<b>Maximum Delivery Volume</b>	DV	

*Message Subject Name*

BMRA.DYNAMIC.<BM\_UNIT>.MDV

4.7.5.47 MDP - Maximum Delivery Period

This messages contains dynamic data, which is published whenever it is received from the System Operator . The message describes the maximum delivery period time of a single BM Unit.

*Message Definition*

The following table lists the fields that are required in the message.

Field	Field Type	Description of field
<b>Effective From Time</b>	TE	Time that the following DP field value is effective from.
<b>Maximum Delivery Period</b>	DP	

*Message Subject Name*

BMRA.DYNAMIC.<BM\_UNIT>.MDP

#### 4.7.5.48 LTCS – Last Time to Cancel Synchronisation

This message contains dynamic data, which is published whenever it is received from the System Operator. The message describes

##### Message Definition

The following table lists the fields that are required in the message

<u>Field</u>	<u>Field Type</u>	<u>Description of field</u>
<u>Effective From Time</u>	<u>TE</u>	<u>Time that the following C* field values are effective from.</u>
<u>Last Cancel Time 1</u>	<u>C1</u>	
<u>CS Break Point 2</u>	<u>CB</u>	
<u>Last Cancel Time 2</u>	<u>C2</u>	
<u>CS Break Point 3</u>	<u>CC</u>	
<u>Last Cancel Time 3</u>	<u>C3</u>	

##### Message Subject Name

BMRA.DYNAMIC.<BM\_UNIT>.LTCS

#### 4.7.5.48<sup>89</sup> TBOD - Total Bid Offer Data

This message contains data derived by BMRA concerning total bid and total offer volumes - one message is published per settlement period.

##### Message Definition

The following table lists the fields that are required in the message.

Field	Field Type	Description of field
Settlement Date	SD	The settlement date.
Settlement Period	SP	The settlement period.
Total Offer Volume	OT	System wide total Offer Volume for the Settlement Period
Total Bid Volume	BT	System wide total Bid Volume for the Settlement Period

Message Subject Name

BMRA.SYSTEM.TBOD

#### 4.7.5.4950 DISBSAD – Balancing Services Adjustment Action Data

This message contains values for a single Balancing Services Adjustment Action data item for a half hour period for Settlement Dates on or after the P217 effective date.

Every time the data for a period is received from the System Operator, BMRA publishes the data in this message.

Note: where a Balancing Services Adjustment Action has no defined cost then the associated Tibco message will not include an 'Adjustment Cost' field.

##### *Message Definition*

The following table lists the fields that are required in the message.

Field	Field Type	Description of field
<b>Settlement Date</b>	SD	The settlement date
<b>Settlement Period</b>	SP	The settlement period
<b>Adjustment Identifier</b>	AI	The item's unique (for the settlement period) identifier
<b>SO-Flag</b>	SO	A value of 'T' indicates the Balancing Services Adjustment Action should be considered to be potentially impacted by transmission constraints
<b>Adjustment Cost</b>	JC	in £. Where an Action has no defined cost then this field will not be included in the Tibco message.
<b>Adjustment Volume</b>	JV	in MWh

##### *Message Subject Name*

BMRA.SYSTEM.DISBSAD

#### 4.7.5.501 MSG – BMRS Informational Message

This message contains only informational data. It is reserved for future use but may appear in the general message transfers from time to time. It should be ignored by participants.

##### *Message Definition*

The following table lists the fields that are required in the message.



Field	Field Type	Description of field
<b>Publishing Time</b>	TP	The time (in GMT) the information was published by BMRA.
<b>Information Text</b>	IN	The body text of the informational message.

#### *Message Subject Name*

BMRA.INFO.MSG

#### 4.7.5.5~~1~~<sup>2</sup> NETEBSP - Estimated Buy and Sell Price

This message contains data derived by BMRA concerning estimated system buy and sell prices, for Settlement Dates prior to the P217 effective date - one message is published per Settlement Period.

#### *Message Definition*

The following table lists the fields that are required in the message.

Field	Field Type	Description of field
<b>Settlement Date</b>	SD	The Settlement Date.
<b>Settlement Period</b>	SP	The Settlement Period.
<b>Buy Price</b>	PB	The price that must be paid for electricity which is out of balance.
<b>Sell Price</b>	PS	The price received for electricity which is out of balance.
<b>Price Derivation Code</b>	PD	A code that describes the way in which SSP and SBP were calculated
<b>Total Accepted Offer Volume</b>	AO	System wide total Accepted Offer Volume for the Settlement Period
<b>Total Accepted Bid Volume</b>	AB	System wide total Accepted Bid Volume for the Settlement Period
<b>Total Unpriced Accepted Offer Volume</b>	AP	System wide total Unpriced Accepted Offer Volume for the Settlement Period
<b>Total Unpriced Accepted Bid Volume</b>	AC	System wide total Unpriced Accepted Bid Volume for the Settlement Period
<b>Total Priced Accepted Offer Volume</b>	PP	System wide total Priced Accepted Offer Volume for the Settlement Period

Field	Field Type	Description of field
<b>Total Priced Accepted Bid Volume</b>	PC	System wide total Priced Accepted Bid Volume for the Settlement Period
<b>Indicative Net Imbalance Volume</b>	NI	The Indicative NIV
<b>BSAD Defaulted</b>	BD	If True the following BSAD fields are default values
<b>Net Energy Sell Price Cost Adjustment</b>	A7	ESCA in £
<b>Net Energy Sell Price Volume Adjustment</b>	A8	ESVA in MWh
<b>Net System Sell Price Volume Adjustment</b>	A11	SSVA in MWh
<b>Sell Price Price Adjustment</b>	A3	SPA in £/MWh
<b>Net Energy Buy Price Cost Adjustment</b>	A9	EBCA in £
<b>Net Energy Buy Price Volume Adjustment</b>	A10	EBVA in MWh
<b>Net System Buy Price Volume Adjustment</b>	A12	SBVA in MWh
<b>Buy Price Price Adjustment</b>	A6	BPA in £/MWh

Message Subject Name

BMRA.SYSTEM.NETEBSP

#### 4.7.5.5<sup>23</sup> NETBSAD - Balancing Services Adjustment Data

This message contains a set of adjustment values for a half hour period.

Every time the data for a period is received from the System Operator , BMRA publishes the data in this message. Note that for Settlement Dates on or after the P217 effective date the following data items will always be zero:

- Net Energy Buy Price Cost Adjustment (EBCA)

- Net Energy Buy Price Volume Adjustment (EBVA)
- Net System Buy Price Volume Adjustment (SBVA)
- Net Energy Sell Price Cost Adjustment (ESCA)
- Net Energy Sell Price Volume Adjustment (ESVA)
- Net System Sell Price Volume Adjustment (SSVA)

### *Message Definition*

The following table lists the fields that are required in the message.

<b>Field</b>	<b>Field Type</b>	<b>Description of field</b>
<b>Settlement Date</b>	SD	The Settlement Date
<b>Settlement Period</b>	SP	The Settlement Period
<b>Net Energy Sell Price Cost Adjustment</b>	A7	ESCA in £
<b>Net Energy Sell Price Volume Adjustment</b>	A8	ESVA in MWh
<b>Net System Sell Price Volume Adjustment</b>	A11	SSVA in MWh
<b>Sell Price Price Adjustment</b>	A3	SPA in £/MWh
<b>Net Energy Buy Price Cost Adjustment</b>	A9	EBCA in £
<b>Net Energy Buy Price Volume Adjustment</b>	A10	EBVA in MWh
<b>Net System Buy Price Volume Adjustment</b>	A12	SBVA in MWh
<b>Buy Price Price Adjustment</b>	A6	BPA in £/MWh

Message Subject Name

BMRA.SYSTEM.NETBSAD

4.7.5.5~~3~~4 SYSMMSG - System Messages

This message contains the text of any system messages that are generated by BMRA. Note that the Publishing Time is the time that the message was published by BMRA.

#### *Message Definition*

The following table lists the fields that are required in the message.

Field	Field Type	Description of field
<b>Message Type</b>	MT	The 'type' of message being reported.
<b>Publishing Time</b>	TP	The time (in GMT) the message was published by BMRA.
<b>System Message Text</b>	SM	The body text of the system message.

Message Subject Name

BMRA.SYSTEM.SYSMSG

#### 4.7.5.5<sup>45</sup> MID – Market Index Data

This message contains a set of Market Index Data values for a half hour period.

Every time the data for a period is received from an MIDP, BMRA publishes the data in this message.

#### *Message Definition*

The following table lists the fields that are required in the message.

Field	Field Type	Description of field
<b>Market Index Data Provider ID</b>	MI	Market Index Data Provider Identifier
<b>Settlement Date</b>	SD	The Settlement Date
<b>Settlement Period</b>	SP	The Settlement Period
<b>Market Index Price</b>	M1	Market Index Price in £/MWh
<b>Market Index Volume</b>	M2	Market Index Volume in MWh

Message Subject Name

BMRA.SYSTEM.MID

#### 4.7.5.5~~56~~ SOSO – SO-SO Prices

This message contains details of prices for trades offered between System Operators. The data is published by BMRA as it is received from the System Operator.

##### *Message Definition*

Field	Field Type	Description of field
<b>SO-SO Trade Type</b>	TT	A code identifying the type of trade being made
<b>SO-SO Start Time</b>	ST	The start date and time for which a Trade Price applies
<b>SO-SO Trade Direction</b>	TD	The direction of the trade
<b>Contract Identification</b>	IC	A unique identifier for an offered trade
<b>Trade Quantity</b>	TQ	The quantity of an offered trade in MW
<b>Trade Price</b>	PT	The price of the trade in units of currency per MWh

##### *Message Subject Name*

BMRA.SYSTEM.SOSO

#### 4.7.5.5~~67~~ QAS - BM Unit Applicable Balancing Services Volume

This message contains the Applicable Balancing Services Volume for a BM Unit in a specific Settlement Period. The data is published as it is received from the System Operator .

##### *Message Definition*

The following table lists the fields that are required in the message.

Field	Field Type	Description of field
<b>Settlement Date</b>	SD	The Settlement Date.
<b>Settlement Period</b>	SP	The Settlement Period.
<b>BM Unit Applicable Balancing Services Volume</b>	SV	Energy Volume in MWh for the Settlement Period

##### *Message Subject Name*

BMRA.BM.<BM\_UNIT>.QAS

#### 4.7.5.5~~7~~<sup>8</sup> CDN – Credit Default Notice

This message contains Credit Default Notices values for a single BSC Party, and the settlement date and period the default level was entered and cleared (if applicable). The data is published as it is received from ECVAA and repeated up to 3 times at 20 minute intervals. (Note that both the repeat count and the interval are configurable)

NOTE: The last 3 fields of the message (Cleared Default Settlement Date, Cleared Default Settlement Period, and Cleared Default Text) are all optional and will not be present in all messages. The absence of these fields indicates that the party is currently in the Credit Default Level published. The message will therefore always contain either 3 (for Parties entering default) or 6 (for Parties clearing default) fields.

##### *Message Definition*

The following table lists the fields that are required in the message.

Field	Field Type	Description of field
<b>Credit Default Level</b>	DL	The credit default level
<b>Entered Default Settlement Date</b>	ED	The entered default settlement date.
<b>Entered Default Settlement Period</b>	EP	The entered default settlement period.
<b>Cleared Default Settlement Date</b>	CD	(Optional) The cleared default settlement date.
<b>Cleared Default Settlement Period</b>	CP	(Optional) The cleared default settlement period.
<b>Cleared Default Text</b>	CT	(Optional) The cleared default text

##### *Message Subject Name*

BMRA.BP.<PARTICIPANT>.CDN

#### 4.7.5.5~~8~~<sup>9</sup> ISPSTACK – Indicative System Price Stack

This message contains data derived by BMRA when calculating the System Price. The Indicative System Price Stacks (Buy and Sell) consist of a number of ordered stack items which can be either BM Unit Acceptance or Balancing Services Adjustment Action data. Each message relates to a single item on the Bid or Offer Stack for a given Settlement Period. The total stack data for a given Settlement

Period is therefore communicated using a number of messages. Each individual message indicates which stack (Buy or Sell) it relates to as well as indicating the relative position of the data item within that stack.

Note: where a stack item has no defined cost then the associated Tibco message will not include a 'Stack Item Original Price' field. For Balancing Services Adjustment Action stack items the 'Acceptance Number' and 'Bid-Offer Pair Number' fields will not be included in the associated Tibco message because these items are NULL.

#### *Message Definition*

The following table lists the fields that are required in the message.

<b>Field</b>	<b>Field Type</b>	<b>Description of field</b>
<b>Settlement Date</b>	SD	The settlement date.
<b>Settlement Period</b>	SP	The settlement period.
<b>Bid/Offer Indicator</b>	BO	Indicates whether this is a Bid or an Offer item.
<b>Sequence Number</b>	SN	The stack item's Index number, representing the relative position of the associated stack item within its related stack. A value of 1 representing the first item in the stack.
<b>Component Identifier</b>	CI	For an acceptance data item this will hold the associated BM Unit's Id. For Balancing Services Adjustment Action items this will hold the item's unique ID as allocated by the SO.
<b>Acceptance Number</b>	NK	The acceptance number (for Balancing Services Adjustment Action items this will be NULL and therefore not included in the associated Tibco message.)
<b>Bid-Offer Pair Number</b>	NN	The Bid-Offer Pair number (for Balancing Services Adjustment Action items this will be NULL and therefore not included in the associated Tibco message.)
<b>CADL Flag</b>	CF	A value of 'T' indicates that an Acceptance is considered to be a Short Duration Acceptance.
<b>SO-Flag</b>	SO	A value of 'T' indicates that an Acceptance or Balancing Services Adjustment Action item should be considered to be potentially impacted by transmission constraints.

Field	Field Type	Description of field
<b>Repriced Indicator</b>	RI	Indicates where the item has been repriced.
<b>Stack Item Original Price</b>	IP	The stack item's original price in £/MWh. For items which are initially unpriced this value will be NULL and therefore not included in the associated Tibco message.
<b>Stack Item Volume</b>	IV	The stack item's volume in MWh
<b>DMAT Adjusted Volume</b>	DA	The item's volume after DMAT has been applied.
<b>Arbitrage Adjusted Volume</b>	AV	The item's volume after Arbitrage has been applied.
<b>NIV Adjusted Volume</b>	NV	The item's volume after NIV has been applied,
<b>PAR Adjusted Volume</b>	PV	The item's volume after PAR has been applied.
<b>Stack Item Final Price</b>	FP	The stack item's final price in £/MWh
<b>Transmission Loss Multiplier</b>	TM	The associated BM Unit's Transmission Loss Multiplier value (for Balancing Services Adjustment Action items this will be 1.)
<b>TLM Adjusted Volume</b>	TV	PAR Adjusted Volume x TLM
<b>TLM Adjusted Cost</b>	TC	PAR Adjusted Volume x TLM x Price

#### *Message Subject Name*

BMRA.SYSTEM.ISPSTACK

#### 4.7.5.5960 OCNMFD2 – Generating Plant Demand Margin, 2-14 days ahead

This message contains peak-of-the-day generating plant demand margin values for the following 2 weeks. The data is published by BMRA as it is received from the System Operator. The Publishing Time in the message is applicable to the forecast as a whole. The records in the message are ordered by time.

#### *Message Definition*

The following table lists the fields that are required in the message.



Field	Field Type	Description of field
<b>Publishing Date</b>	TP	The time that the data was originally published by the System Operator
<b>Number of records</b>	NR	The number of times the next TWO fields are repeated.
<b>Settlement Date</b>	SD	The settlement date.
<b>Demand Margin</b>	DM	The demand margin for generating plants in MW

#### *Message Subject Name*

BMRA.SYSTEM.OCNMFD2

#### 4.7.5.6~~0~~1 OCNMFW2 – Generating Plant Demand Margin, 2-52 weeks ahead

This message contains peak-of-the-week generating plant demand margin values for the following year. The data is published by BMRA as it is received from the System Operator. The Publishing Time in the message is applicable to the forecast as a whole. The records in the message are ordered by time.

#### *Message Definition*

The following table lists the fields that are required in the message.

Field	Field Type	Description of field
<b>Publishing Date</b>	TP	The time that the data was originally published by the System Operator
<b>Number of records</b>	NR	The number of times the next THREE fields are repeated.
<b>Calendar Week Number</b>	WN	The number of the week.
<b>Calendar Year</b>	CY	The year to which the data pertains
<b>Demand Margin</b>	DM	The demand margin for generating plants in MW

#### *Message Subject Name*

BMRA.SYSTEM.OCNMFW2

#### 4.7.5.6~~1~~2 FOU2T14D – National Output Usable by Fuel Type, 2-14 days ahead

This message contains peak-of-the-day output usable values for the following 2 weeks by fuel type. The data is published by BMRA as it is received from the

System Operator. The Publishing Time in the message is applicable to the forecast as a whole. The records in the message are ordered by time.

#### *Message Definition*

The following table lists the fields that are required in the message.

Field	Field Type	Description of field
<b>Publishing Date</b>	TP	The time that the data was originally published by the System Operator
<b>Number of records</b>	NR	The number of times the next THREE fields are repeated.
<b>Settlement Date</b>	SD	The settlement date.
<b>Fuel Type</b>	FT	The fuel type.
<b>Output Usable</b>	OU	The output usable in MW.

#### *Message Subject Name*

BMRA.SYSTEM.FOU2T14D

#### **4.7.5.6<sup>13</sup>** UOU2T14D – National Output Usable by Fuel Type and BM Unit, 2-14 days ahead

This message contains peak-of-the-day output usable values for the following 2 weeks by fuel type and BM Unit. The data is published by BMRA as it is received from the System Operator. The Publishing Time in the message is applicable to the forecast as a whole. The records in the message are ordered by time.

#### *Message Definition*

The following table lists the fields that are required in the message.

Field	Field Type	Description of field
<b>Publishing Date</b>	TP	The time that the data was originally published by the System Operator
<b>Number of records</b>	NR	The number of times the next THREE fields are repeated.
<b>Settlement Date</b>	SD	The settlement date.
<b>Fuel Type</b>	FT	The fuel type.
<b>Output Usable</b>	OU	The output usable in MW.

*Message Subject Name*

BMRA.SYSTEM.<BM\_UNIT>.UOU2T14D

4.7.5.6~~24~~ FOU2T52W – National Output Usable by Fuel Type, 2-52 weeks ahead

This message contains peak-of-the-week output usable values for the following year by fuel type. The data is published by BMRA as it is received from the System Operator. The Publishing Time in the message is applicable to the forecast as a whole. The records in the message are ordered by time.

*Message Definition*

The following table lists the fields that are required in the message.

Field	Field Type	Description of field
Publishing Date	TP	The time that the data was originally published by the System Operator
Number of records	NR	The number of times the next FOUR fields are repeated.
Calendar Week Number	WN	The number of the week.
Calendar Year	CY	The year to which the data pertains
Fuel Type	FT	The fuel type
Output Usable	OU	The output usable in MW.

*Message Subject Name*

BMRA.SYSTEM.FOU2T52W

4.7.5.6~~35~~ UOU2T52W – National Output Usable by Fuel Type and BM Unit, 2-52 weeks ahead

This message contains peak-of-the-week output usable values for the following year by fuel type and BM Unit. The data is published by BMRA as it is received from the System Operator. The Publishing Time in the message is applicable to the forecast as a whole. The records in the message are ordered by time.

*Message Definition*

The following table lists the fields that are required in the message.

Field	Field Type	Description of field
Publishing Date	TP	The time that the data was originally published by the System Operator

<b>Number of records</b>	NR	The number of times the next FOUR fields are repeated.
<b>Calendar Week Number</b>	WN	The number of the week.
<b>Calendar Year</b>	CY	The year to which the data pertains
<b>Fuel Type</b>	FT	The fuel type
<b>Output Usable</b>	OU	The output usable in MW.

*Message Subject Name*

BMRA.SYSTEM.<BM\_UNIT>.UOU2T52W