

**Redlined NETA Interface Definition and Design (IDD): Part 1 for P297 '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

#### 4.7.4.34 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 :**

#### 4.7.5.35 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	
<u><b>Run up elbow 4</b></u>	<u>UD</u>	
<u><b>Run up rate 4</b></u>	<u>U4</u>	
<u><b>Run up elbow 5</b></u>	<u>UE</u>	
<u><b>Run up rate 5</b></u>	<u>U5</u>	
<u><b>Run up elbow 6</b></u>	<u>UF</u>	
<u><b>Run up rate 6</b></u>	<u>U6</u>	
<u><b>Run up elbow 7</b></u>	<u>UG</u>	
<u><b>Run up rate 7</b></u>	<u>U7</u>	
<u><b>Run up elbow 8</b></u>	<u>UH</u>	
<u><b>Run up rate 8</b></u>	<u>U8</u>	

Field	Field Type	Description of field
<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><b>Run up rate 3</b></del>	U3	
<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>	

Field	Field Type	Description of field
<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><b>Run down rate 3</b></del>	R3	
<u><b>Run down elbow 4</b></u>	<u>RD</u>	
<u><b>Run down rate 4</b></u>	<u>R4</u>	
<u><b>Run down elbow 5</b></u>	<u>RE</u>	
<u><b>Run down rate 5</b></u>	<u>R5</u>	
<u><b>Run down elbow 6</b></u>	<u>RF</u>	
<u><b>Run down rate 6</b></u>	<u>R6</u>	
<u><b>Run down elbow 7</b></u>	<u>RG</u>	
<u><b>Run down rate 7</b></u>	<u>R7</u>	

Field	Field Type	Description of field
<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>RI</u>	
<u>Run down rate 9</u>	<u>R9</u>	
<u>Run down elbow 10</u>	<u>RJ</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	
<b>Run down rate 2</b>	R2	
<b>Run down elbow 3</b>	RC	
<del>Run down rate 3</del>	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>	

Field	Field Type	Description of field
<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>RI</u>	
<u>Run down rate 9</u>	<u>R9</u>	
<u>Run down elbow 10</u>	<u>RJ</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>TE</u>	<u>Time that the following SE field value is effective to.</u>
<b><u>Stable Export Limit To</u></b>	<u>SE</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> <u>Start Time</u></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>TE</u>	<u>Time that the following SI field value is effective to.</u>
<b><u>Stable Import Limit To</u></b>	<u>SI</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
Effective From Time	TE	Time that the following DP field value is effective from.
Maximum Delivery Period	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>Field</u>	<u>Field Type</u>	<u>Description of field</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

#### 4.7.5.4~~89~~ 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

#### 4.7.5.4~~950~~ 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

#### 4.7.5.5<sup>01</sup> 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<sup>12</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.

<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>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
<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 £

Field	Field Type	Description of field
<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.

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

Message Subject Name

BMRA.SYSTEM.NETBSAD

#### 4.7.5.5<sup>34</sup> SYSMSG - 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
Message Type	MT	The 'type' of message being reported.
Publishing Time	TP	The time (in GMT) the message was

Field	Field Type	Description of field
		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<sup>56</sup> 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
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<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<sup>67</sup> 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.

<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>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<sup>78</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 ECVA 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.

<b>Field</b>	<b>Field Type</b>	<b>Description of field</b>
<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

#### 4.7.5.589 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.
<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.

Field	Field Type	Description of field
<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
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 THREE fields are repeated.
Calendar Week Number	WN	The number of the week.
Calendar Year	CY	The year to which the data pertains
Demand Margin	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
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 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~~13~~** 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.

<b>Field</b>	<b>Field Type</b>	<b>Description of field</b>
<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
<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 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.FOU2T52W

4.7.5.635 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
<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 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