

## CP1333: Improved Reporting of Prices for SO – SO Trades

This document sets out proposed drafting to the Part 1 of the NETA IDD to support CP1333. Drafting is based on IDD Part 1 v24.0.

Add reference to SO-SO Price information to BMRA-I005 interface, after System Warnings:

### BMRA-I005: (output) Publish System Related Data

Interface ID: BMRA-I005	User: BMR Service User	Title: Publish System Related Data	ITT reference: BMRA SD 7.2, P8, P78, P172, P219, P220, P217. <a href="#">CP1333</a>
Mechanism: BMRA Publishing Interface	Frequency: Continuous (as made available from the SO)	Volumes: Various	
<p>Interface Requirement: The BMRA Service shall publish System data continuously, as it is received from the SO.</p> <p>The System Related data consists of the following:</p> <p><a href="#">[note: this is an extract of the full list of data in BMRA-I005; no other changes are proposed to this section]</a></p> <p>...</p> <p>Indicated Margin  Publishing Period Commencing Time  Start Time of ½ Hour Period  National/Boundary Identifier  Margin (MW)</p> <p>Indicated Imbalance  Publishing Period Commencing Time  Start Time of ½ Hour Period  National/Boundary Identifier  Imbalance Value (MW)</p> <p>System Warnings  <a href="#">SO-SO Prices</a></p> <p><u>Balancing Services Adjustment Data:</u>  Settlement Date  Settlement Period  Net Energy Buy Price Cost Adjustment (EBCA) (£)  Net Energy Buy Price Volume Adjustment (EBVA) (MWh)</p> <p>...</p>			
<p>The System Warnings functionality will be utilised, within existing constraints, to report the issuing of all Emergency Instructions, and to notify whether or not each instruction should be treated as an Excluded Emergency Acceptance.</p>			

<p>Balancing Services Adjustment Data for Settlement Dates after, and including the P217 effective date will always have a value of zero for the following data items:</p> <ul style="list-style-type: none"> <li>Net Energy Buy Price Cost Adjustment (EBCA)</li> <li>Net Energy Buy Price Volume Adjustment (EBVA)</li> <li>Net System Buy Price Volume Adjustment (SBVA)</li> <li>Net Energy Sell Price Cost Adjustment (ESCA)</li> <li>Net Energy Sell Price Volume Adjustment (ESVA)</li> <li>Net System Sell Price Volume Adjustment (SSVA)</li> </ul>
<b>Physical Interface Details:</b>
<p>Within the Balancing Services Adjustment Action Data the SO-Flag will be set to 'T' where the associated Action has been flagged by the SO as potentially impacted by transmission constraints.</p>

Add reference to new TIBCO message in section 4.7.1

#### 4.7.1 Message Types

The following table lists all of the message types sent from BMRA and specifies the External Interface Requirement met by each one.

External Interface Requirement	Data Type	Message Type
BMRA-I005	Indicated Margin	MELNGC
BMRA-I005	Indicated Imbalance	IMBALNGC
BMRA-I005	System Warnings	SYSWARN
<u>BMRA-I005</u>	<u>SO-SO Prices</u>	<u>SOSO</u>
BMRA-I005	Net Balancing Services Adjustment Data	NETBSAD
BMRA-I005	Balancing Services Adjustment Action Data	DISBSAD
BMRA-I005	System Message	SYSMMSG

Add new field types required for the new TIBCO messages into to the field type index tables in section 4.7.4:

#### 4.7.4 Field Type Index

Field Type	Data Type
<u>TT</u>	<u>SO-SO Trade Type</u>
<u>ST</u>	<u>SO-SO Start Time</u>
<u>TD</u>	<u>Trade Direction</u>
<u>CI</u>	<u>Contract Identifier</u>
<u>TQ</u>	<u>Trade Quantity</u>
<u>TP</u>	<u>Trade Price</u>

Modify section 4.7.4 to include new field definitions for use in TIBCO message (existing definitions will be renumbered accordingly):

##### 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 :

##### 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 :

##### SO-SO Trade Direction

Field Data Type : 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)

#### **Contract Identification**

**Field Data Type :** Contract Identification

**Field Type :** CI

**Field Name :** "CI"

**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 :**

#### **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.

#### **Trade Price**

**Field Data Type :** Trade Price

**Field Type :** TP

**Field Name :** "TP"

**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).

Insert new TIBCO message in section 4.7.5:

#### 4.7.5.55 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

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

##### Message Subject Name

BMRA.SYSTEM.SOSO

In section 4.8, insert format of data to be made available by download:

#### 4.8.29 SO-SO Prices

##### 4.8.29.1 Header Record

<u>Field</u>	<u>Type</u>	<u>Format</u>	<u>Comments</u>
<u>Record Type</u>	<u>string</u>		<u>Fixed String “HDR”</u>
<u>File Type</u>	<u>string</u>		<u>Fixed String “SO-SO PRICES”</u>

##### 4.8.29.2 Body Record

<u>Field</u>	<u>Type</u>	<u>Format</u>	<u>Comments</u>
<u>Record Type</u>	<u>string</u>		<u>Fixed String “SOSO”</u>

<u>Field</u>	<u>Type</u>	<u>Format</u>	<u>Comments</u>
<u>Trade Type</u>	<u>string</u>		<u>A code identifying the type of trade being made</u>
<u>Start Time</u>	<u>datetime</u>	<u>yyyymmddhhmmss</u>	<u>The start date and time from which a Trade Price applies</u>
<u>Trade Direction</u>	<u>string</u>	<u>A01, A02</u>	<u>The direction of the trade</u>
<u>Contract Identification</u>	<u>string</u>		<u>A unique identifier for an offered trade</u>
<u>Trade Quantity</u>	<u>number</u>	<u>MW</u>	<u>The quantity of an offered trade in MW</u>
<u>Trade Price</u>	<u>number</u>	<u>Currency/MWh</u>	<u>The price of the trade in units of currency per MWh</u>

#### 4.8.29.3 Example File

HDR, SO-SO PRICES

SOSO, BALIT\_NG, 201004221700, A01, RTE 20101225 1000 3,12584, 24.25

SOSO, BALIT\_NG, 201004221800, A02, RTE 20101225 1000 27,10524, 30.16

FTR, 2