Change Proposal – BSCP40/02	CP No: XXXX *Version No: v0.2* *(mandatory by BSCCo)*

Title *(mandatory by originator)*
Reporting data relating to the East-West Interconnector on the BMRS

Description of Problem/Issue *(mandatory by originator)*
The Balancing Mechanism Reporting Service (BMRS) receives, stores and publishes data relating to the England-France and England-Netherlands Interconnectors. A new Interconnector between Wales and Ireland ('the East-West Interconnector') is due to become operational in the third quarter of 2012 and has been approved as a Fuel Type Category by the BSC Panel (in line with Section Q of the BSC) with effect from 28 June 2012.

System and documentation changes are required to enable the BMRS to receive, store and publish data relating to the East-West Interconnector alongside the existing interconnectors.

Proposed Solution *(mandatory by originator)*
Enable the BMRS to receive, store and publish data relating to the East-West Interconnector by amending the relevant documentation (i.e. as identified in this CP) as set out in the attached redlining and making the necessary system changes as outlined below.

The BMRS changes required are:

- Change the Fuel Type valid set held within BMRS to include a reference for the East-West Interconnector;
- Include East-West Interconnector data in the 'Generation By Fuel Type', 'Output Usable Data By Fuel Type' and 'Average Half Hourly Interconnector Flows' tables and graphs;
- Add East-West Interconnector data selection tickboxes to these graphs;
- Revise the Fuel Type spreadsheet available beneath the 'Generation By Fuel Type' graph;
- Include East-West data as additional entries in the FUELINST, FUELHH and INTOUTHH reports available via TIBCO and csv/xml download; and
- Change BMRS help text and tool tips to reference the East-West Interconnector where appropriate.

National Grid will need to update the SAA-BMRA Interface Specification. Operationally, National Grid must collate the new Interconnector's data and submit it to the BMRS. The changes are similar to those for approved Modification P244 'Provision of BritNed Flow Data to the BMRS'.

Note that treatment of Interconnector-related data in terms of capping/defaulting values for presentation purposes will follow existing arrangements. If National Grid wishes to report SO-SO trades involving the East-West interconnector it will need to add new Trade Types into the BMRA-I026 'SO-SO Standing Data' spreadsheet, which would then be loaded into the BMRS using existing functionality.

Justification for Change *(mandatory by originator)*
The BMRS provides market transparency, and to do so it is important that the contributions of all active Interconnectors are reflected accurately in the data provided.

To which section of the Code does the CP relate, and does the CP facilitate the current provisions of the Code? *(mandatory by originator)*
Section Q, 'Balancing Mechanism Activities'. The CP facilitates the current provisions by ensuring that systems and processes are in place such that data relating to the East-West Interconnector (approved by the Panel as a Fuel Type Category under Section Q) can be reported on the BMRS.

Estimated Implementation Costs *(mandatory by BSCCo)*
ELEXON costs, due to management of changes in a Release and amendment of impacted documents, are minimal. Costs are estimated at approximately two Working Days effort, equating to £480.

The estimated BSC Agent cost to implement the changes outlined above is approximately £64,000.

Configurable Items Affected by Proposed Solution(s) *(mandatory by originator)*
NETA Interface Definition and Design (IDD): Part 1 - update to reflect BMRS changes.

Impact on Core Industry Documents or System Operator-Transmission Owner Code *(mandatory by originator)*
None.

Related Changes and/or Projects *(mandatory by BSCCo)*
None.

Requested Implementation Date ***(mandatory by originator)***
28 June 2012.

Reason:
This is the date of the June 2012 BSC Systems Release which is the last Release before the East-West Interconnector is due to become operational, and is the date from which the Panel has approved the East-West Interconnector as a Fuel Type Category.

Version History ***(mandatory by BSCCo)***
Version 1.0 for decision.

Originator's Details:

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Date……XX February 2012

Attachments: Y/~~N~~
Redlined changes to NETA Interface Definition and Design: Part 1 (3 pages)

Redlined changes to NETA Interface Definition and Design: Part 1

4.7.4.42 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)

4.8.21.2 Body Record Instantaneous Generation By Fuel Type Data

Field	Type	Format	Comments
Record Type	string		Fixed String "FUELINST"
Settlement Date	date	yyyymmdd	Group ordered by this field first, incrementing.
Settlement Period	number		Group ordered by this field second, incrementing.
Spot Time	datetime	yyyymmddhh24miss	
CCGT (MW)	number		
OIL (MW)	number		
COAL (MW)	number		
NUCLEAR (MW)	number		
WIND (MW)	number		

PS (MW)	number		
NPSHYD (MW)	number		
OCGT (MW)	number		
OTHER (MW)	number		
INTFR (MW)	number		
INTIRL (MW)	number		
INTNED (MW)	number		
INTEW (MW)	number		

4.8.21.3 Example File

```
HDR, INSTANTANEOUS GENERATION BY FUEL TYPE DATA

FUELINST,20080428,37,20080428170503,18137,1850,0,15315,7308,189,1
5,15,0,55,152,-21,32

FUELINST,20080428,37,20080428171007,18134,1849,0,15312,7307,181,1
6,14,0,52,150,-13,17

FTR,2
```

4.8.22.2 Body Record Half Hourly Outturn Generation By Fuel Type Data

Field	Type	Format	Comments
Record Type	string		Fixed String "FUELHH"
Settlement Date	date	yyyymmdd	Group ordered by this field first, incrementing.
Settlement Period	number		Group ordered by this field second, incrementing.
CCGT (MW)	number		
OIL (MW)	number		
COAL (MW)	number		
NUCLEAR (MW)	number		
WIND (MW)	number		
PS (MW)	number		
NPSHYD (MW)	number		
OCGT (MW)	number		
OTHER (MW)	number		

INTFR (MW)	number		
INTIRL (MW)	number		
INTNED (MW)	number		
INTEW (MW)	number		

4.8.22.3 Example File

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HDR, HALF HOURLY OUTTURN GENERATION BY FUEL TYPE DATA

FUELHH,20080428,1,18137,1850,0,15315,7308,189,15,15,0,55,152,12,1
6

FUELHH,20080428,2,18134,1849,0,15312,7307,181,16,14,0,52,150,22,1
6

FTR,2
```

4.8.24.2 Body Record Half Hourly Interconnector Outturn Generation

Field	Type	Format	Comments
Record Type	string		Fixed String “INTOUTHH”
Settlement Date	date	yyyymmdd	Group ordered by this field first, incrementing.
Settlement Period	number		Group ordered by this field second, incrementing.
INTFR (MW)	number		
INTIRL (MW)	number		
INTNED (MW)	number		
INTEW (MW)	number		

4.8.24.3 Example File

```
HDR, HALF HOURLY OUTTURN GENERATION BY FUEL TYPE DATA
INTOUTHH,20080428,1,55,152,23,32
INTOUTHH,20080428,2,52,150,22,31
FTR,2
```