

Redlined NETA IDD Part 1 for CP1506 'New Interconnector fuel type'

This CP proposes changes to section(s) 4.2, 4.10, 4.11

We have redlined these changes against Version 37.0

There is no impact on any other part of this document for this CP.

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

Interface ID: BMRA-I005	User: BMR Service User	Title: Publish System Related Data	BSC reference: BMRA SD 7.2, P8, P78, P172, P219, P220, P217, P243, P244, CP1333, CP1367
Mechanism: BMRA Publishing Interface	Frequency: Continuous (as made available from the SO)	Volumes: Various	

Interface Requirement:

The BMRA Service shall publish System data continuously, as it is received from the SO.

The System Related data consists of the following:

Indicated Generation

Publishing Period Commencing Time
Start Time of ½ Hour Period
National/Boundary Identifier
Sum of PN Generation (MW)

Indicated Demand

Publishing Period Commencing Time
Start Time of ½ Hour Period
National/Boundary Identifier
Sum of PN Demand (MW)

National Demand Forecast³

Publishing Period Commencing Time
Start Time of ½ Hour Period
National/Boundary Identifier
Demand (MW)

Transmission System Demand Forecast⁴

Publishing Period Commencing Time
Start Time of ½ Hour Period
National/Boundary Identifier
Demand (MW)

Initial National Demand Out-Turn

Publishing Period Commencing Time
Start Time of ½ Hour Period
Demand (MW)

Initial Transmission System Demand Out-Turn

Publishing Period Commencing Time
Start Time of ½ Hour Period
Demand (MW)

National Demand Forecast Day, 2-14 Day

Publishing Period Commencing Time
Day of Forecast
Demand (MW)

Transmission System Demand Forecast Day, 2-14 Day

Publishing Period Commencing Time
Day of Forecast
Demand (MW)

National Demand Forecast Week, 2-52 Week

Publishing Period Commencing Time
Calendar Week Number
Demand (MW)

Transmission System Demand Forecast Week, 2-52 Week

Publishing Period Commencing Time
Calendar Week Number

³ Note that the DF flow ceases publication in Q1/2009

⁴ Note that the DF flow ceases publication in Q1/2009

Demand (MW)
 National Surplus Forecast, 2-14 Day
 Publishing Period Commencing Time
 Day of Forecast
 Surplus (MW)
 National Surplus Forecast, 2-52 Week
 Publishing Period Commencing Time
 Calendar Week Number
 Surplus (MW)
 Indicated Margin
 Publishing Period Commencing Time
 Start Time of ½ Hour Period
 National/Boundary Identifier
 Margin (MW)
 Indicated Imbalance
 Publishing Period Commencing Time
 Start Time of ½ Hour Period
 National/Boundary Identifier
 Imbalance Value (MW)
 National Output Usable, 2-14 Day
 Publication Time
 System Zone
 Settlement Date
 Output Usable (MW)
 Zonal Output Usable, 2-14 Day
 Publication Time
 System Zone
 Settlement Date
 Output Usable (MW)
 National Output Usable by Fuel Type, 2-14 Day
 Fuel Type
 Publication Time
 System Zone
 Settlement Date
 Output Usable (MW)
 National Output Usable by Fuel Type and BM Unit, 2-14 Day
 BM Unit
 Fuel Type
 Publication Time
 System Zone
 Settlement Date
 Output Usable (MW)
 National Output Usable, 2-49 Day
 Publication Time
 System Zone
 Settlement Date
 Output Usable (MW)
 Zonal Output Usable, 2-49 Day
 Publication Time
 System Zone
 Settlement Date
 Output Usable (MW)
 National Output Usable, 2-52 Week
 Publication Time
 System Zone
 Calendar Week Number
 Calendar Year
 Output Usable (MW)
 Zonal Output Usable, 2-52 Week
 Publication Time
 System Zone
 Calendar Week Number
 Calendar Year
 Output Usable (MW)
 National Output Usable by Fuel Type, 2-52 Week
 Fuel Type
 Publication Time

System Zone
Calendar Week Number
Calendar Year
Output Usable (MW)

National Output Usable by Fuel Type and BM Unit, 2-52 Week

BM Unit
Fuel Type
Publication Time
System Zone
Calendar Week Number
Calendar Year
Output Usable (MW)

National Output Usable, 1 year ahead

Publication Time
System Zone
Calendar Week Number
Calendar Year
Output Usable (MW)

National Output Usable, 2 years ahead

Publication Time
System Zone
Calendar Week Number
Calendar Year
Output Usable (MW)

National Output Usable, 3 years ahead

Publication Time
System Zone
Calendar Week Number
Calendar Year
Output Usable (MW)

National Output Usable, 4 years ahead

Publication Time
System Zone
Calendar Week Number
Calendar Year
Output Usable (MW)

National Output Usable, 5 years ahead

Publication Time
System Zone
Calendar Week Number
Calendar Year
Output Usable (MW)

Zonal Output Usable, 1 year ahead

Publication Time
System Zone
Calendar Week Number
Calendar Year
Output Usable (MW)

Zonal Output Usable, 2 years ahead

Publication Time
System Zone
Calendar Week Number
Calendar Year
Output Usable (MW)

Zonal Output Usable, 3 years ahead

Publication Time
System Zone
Calendar Week Number
Calendar Year
Output Usable (MW)

Zonal Output Usable, 4 years ahead

Publication Time
System Zone
Calendar Week Number
Calendar Year
Output Usable (MW)

Zonal Output Usable, 5 years ahead

Publication Time
System Zone
Calendar Week Number
Calendar Year
Output Usable (MW)
Generating Plant Demand Margin, 2-14 Days
Publication Time
Settlement Date
Generating Plant Demand Margin (MW)
Generating Plant Demand Margin, 2-52 Weeks
Publication Time
Calendar Week Number
Generating Plant Demand Margin (MW)
System Zone Map
NGC-BSC BM Unit Mapping
System Warnings
SO-SO Prices
<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)
Net System Buy Price Volume Adjustment (SBVA) (MWh)
Buy Price Price Adjustment (BPA) (£/MWh)
Net Energy Sell Price Cost Adjustment (ESCA) (£)
Net Energy Sell Price Volume Adjustment (ESVA) (MWh)
Net System Sell Price Volume Adjustment (SSVA) (MWh)
Sell Price Price Adjustment (SPA) (£/MWh)
<u>Balancing Services Adjustment Action Data (for Settlement Dates after, and including the P217 effective date):</u>
Settlement Date
Settlement Period
Balancing Services Adjustment Action ID (unique for Settlement Period)
Balancing Services Adjustment Action Cost (£)
Balancing Services Adjustment Action Volume (MWh)
Balancing Services Adjustment Action SO-Flag (T/F)
Balancing Services Adjustment Action STOR Flag (T/F) (for dates after the P217 effective date and before the P305 effective date the STOR Provider Flag will be reported as null)
<u>Market Index Data:</u>
Market Index Data Provider Identifier
Settlement Date
Settlement Period (1-50)
Market Index Price
Market Index Volume
Missing Market Index Data Messages
<u>Temperature Data</u>
Publishing Period Commencing Time
Settlement Date
Outturn Temperature (degrees Celsius)
Normal Reference Temperature (degrees Celsius)
High Reference Temperature (degrees Celsius)
Low Reference Temperature (degrees Celsius)
Wind Generation Forecast
Publishing Period Commencing Time
Start Time of ½ Hour Period
Generation Forecast (MW)
Total Registered Capacity (MW)
Instantaneous Generation By Fuel Type
Publishing Period Commencing Time
Start Time of ½ Hour Period
Spot Time
Fuel Type – ID representing one of:
CCGT
Oil Plant
OCGT
Coal
Nuclear

- Power Park Module
- Pumped Storage Plant
- Non Pumped Storage Hydro Plant
- External Interconnector Flows from France to England
- External Interconnector Flows from Northern Ireland to Scotland
- External Interconnector Flows from the Netherlands to England
- External Interconnector Flows from Ireland to Wales
- [External Interconnector Flows from Belgium to England](#)
- Biomass
- Other
- Generation (MW)
- Half Hourly Generation By Fuel Type
 - Publishing Period Commencing Time
 - Start Time of ½ Hour Period
 - Fuel Type – ID representing one of:
 - CCGT
 - Oil Plant
 - OCGT
 - Coal
 - Nuclear
 - Power Park Module
 - Pumped Storage Plant
 - Non Pumped Storage Hydro Plant
 - External Interconnector Flows from France to England
 - External Interconnector Flows from Northern Ireland to Scotland
 - External Interconnector Flows from the Netherlands to England
 - External Interconnector Flows from Ireland to Wales
 - [External Interconnector Flows from Belgium to England](#)
 - Biomass
 - Other
- Generation (MW)
- Daily Energy Volume Data
 - Publishing Period Commencing Time
 - Settlement Date
 - Outturn Volume (MWh)
 - Normal Volume (MWh)
 - High Volume (MWh)
 - Low Volume (MWh)
- Realtime Transmission System Frequency Data
 - Publishing Period Commencing Time
 - Spot Time
 - Frequency (Hz)
- Non-BM STOR Out-Turn
 - Publishing Period Commencing Time
 - Start Time of ½ Hour Period
 - Non-BM STOR Volume (MWh)
- Loss of Load Probability and De-rated Margin
 - Settlement Date
 - Settlement Period
 - 1200 Forecast – LoLP and DRM
 - 8 hour forecast – LoLP and DRM
 - 4 hour forecast – LoLP and DRM
 - 2 hour forecast – LoLP and DRM
 - 1 hour forecast – LoLP and DRM
- Demand Control Instruction
 - Demand Control ID
 - Affected DSO
 - Instruction Sequence
 - Demand Control Event Flag
 - Time From
 - Time To
 - Demand Control Level
 - SO-Flag
- STOR Availability Window
 - Season Year
 - Season Number
 - STOR Availability Dates

Weekday Start Time
 Weekday End Time
 Non-weekday Start Time
 Non-weekday End Time

4.10.4.42 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 (IFA)
INTIRL	External Interconnector flows with Ireland (Moyle)
INTNED	External Interconnector flows with the Netherlands (BritNed)
INTEW	External Interconnector flows with Ireland (East-West)
BIOMASS	Biomass Plant
INTNEM	External Interconnector flows with Belgium (Nemo Link)

4.11.21.2 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		
BIOMASS (MW)	number		
<u>INTNEM (MW)</u>	<u>number</u>		

4.11.21.3 Example File

HDR, INSTANTANEOUS GENERATION BY FUEL TYPE DATA

FUELINST,20080428,37,20080428170503,18137,1850,0,15315,7308,189,15,15,0,55,152,21,22,27,28

FUELINST,20080428,37,20080428171007,18134,1849,0,15312,7307,181,16,14,0,52,150,13,17,27,31

FTR,2

4.11.22.2 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		
BIOMASS (MW)	number		
<u>INTNEM (MW)</u>	<u>number</u>		

4.11.22.3 Example File

HDR, HALF HOURLY OUTTURN GENERATION BY FUEL TYPE DATA

FUELHH,20080428,1,18137,1850,0,15315,7308,189,15,15,0,55,152,12,16,27,19

FUELHH,20080428,2,18134,1849,0,15312,7307,181,16,14,0,52,150,22,16,27,5

FTR,2

4.11.24.2 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		
<u>INTNEM (MW)</u>	<u>number</u>		

4.11.24.3 Example File

HDR, HALF HOURLY OUTTURN GENERATION BY FUEL TYPE DATA

INTOUTHH,20080428,1,55,152,23,32,27

INTOUTHH,20080428,2,52,150,22,21,17

FTR,2