

Public

# BMRS User Group

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Meeting 2

20 May 2014  
BMRS Project Team

**ELEXON**

# Health & Safety

## In case of an emergency

An alarm will sound to alert you. The alarm is tested for fifteen seconds every Wednesday at 9.20am

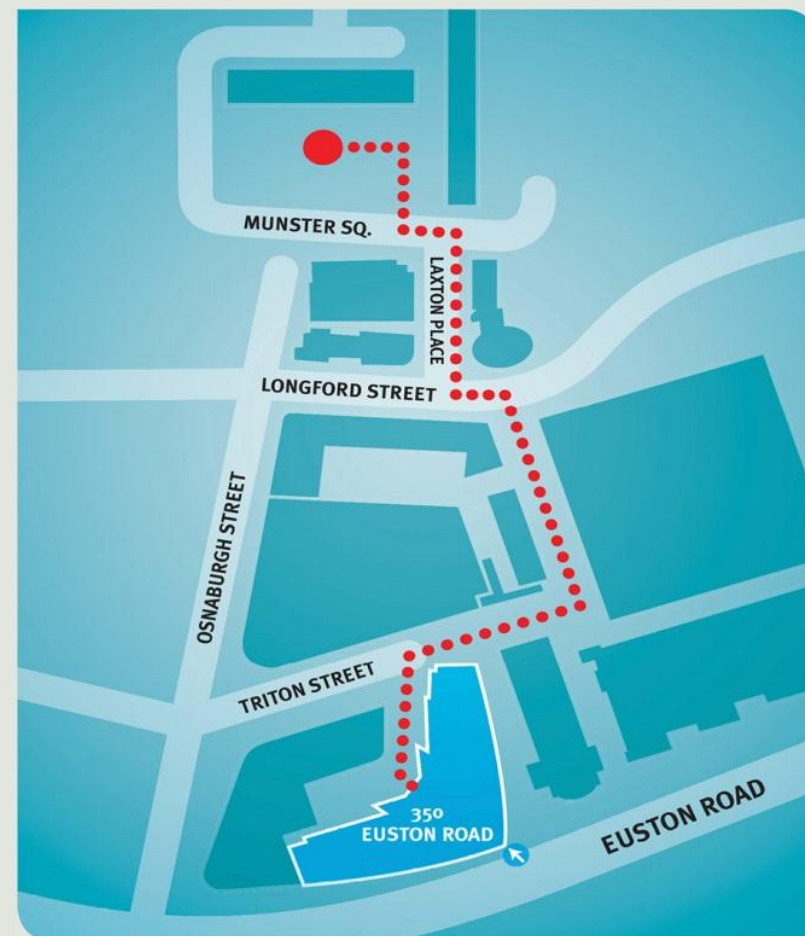
## Evacuating 350 Euston Road

- If you discover a fire, operate one of the fire alarms next to the four emergency exits.
- Please do not tackle a fire yourself.
- If you hear the alarm, please leave the building immediately.
- Evacuate by the nearest signposted fire exit and walk to the assembly point.
- Please remain with a member of ELEXON staff and await further instructions from a Fire Warden.
- For visitors unable to use stairs, a Fire Warden will guide you to a refuge point and let the fire brigade know where you are.

## When evacuating please remember

- Do not use the lifts.
- Do not re-enter the building until the all clear has been given by the Fire Warden or ground floor security.

**Our team on reception is here to help you, if you have any questions, please do ask them.**



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# Content

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- Introductions – 10:30
- REMIT Discussions (Portal process & XSD) – 10:35
- Break - 11:20
- Transparency Data & Web UI – 11:30
- Lunch – 12:15
- API Update and Usage Policy – 12:45
- Next Steps – 13:45

# Recap

## Outline Phases in the proposed delivery model

Phase 1 - Establish the new platform and deliver Modifications P291 and P295. The functionality for P291 and P295 will include:

- New front end web server and user interface
- Data downloadable through new API (Application Programming Interface)
- TIBCO interface for existing TIBCO users

Phase 2 – Provide API for all Raw Data:

- Migrate the data loading components.
- Make all raw data being available via the API Interface
- Note derived data, e.g. imbalance prices will not be migrated until Phase 3

Phase 3 - Full functionality for all BMRS data and deliver Modification P297<sup>1</sup>

- Migrate the BMRS calculations (such as imbalance price calculation)
- New front end web server and user interface for all BMRS published data
- P297 data available through all channels (including TIBCO)



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## REMIT Discussion

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## P291 – Submission Structure

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- P291 data can reach the BMRS in several ways
  - Via a new page on the ELEXON Portal
  - Via submission using a new webservice on the ELEXON Portal
  - Via submission through the Grid Code
  
- P291 data is sent as XML documents to the BMRS
  - The same XSD is used whichever data entry route is chosen
  - Data entered using the ELEXON Portal GUI will create an XML document behind the scenes and forward it to the BMRS
  - A webservice submission must include an XML payload conforming to the XSD and the ELEXON Portal will forward that to the BMRS
  - A submission via the Grid Code must be an XML document conforming to the XSD

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## P291 – Data Registration

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- Non-BSC data handling by the ELEXON Portal
  - The ELEXON Portal will be enhanced to allow non-BSC Organisations to register themselves for REMIT publication
  - Once registered, authorised users of these non-BSC Organisations will be able to use further new facilities on the ELEXON Portal to register Assets that they will then be able to report REMIT messages about.
  - The ELEXON Portal will be used to master the register of non-BSC Assets. They will not be propagated to the BMRS or to National Grid.
  - Non-BSC Organisations will have the equivalent of Category A Signatory users who will be able to delegate and authorise REMIT publishing rights to other Portal users also registered against that non-BSC Organisation.

# P291 – Asset Registration

The screenshot shows the ELEXON Portal interface. At the top, there's a navigation bar with links: ELEXON.co.uk, ELEXON Portal (highlighted), BM Reports, and TAAMT. Below this is a large header with the ELEXON Portal logo on the left and a 'site search' box on the right. A secondary navigation bar contains links: HOME, FAQs, USER GUIDE, SEARCH, FEEDBACK, and ADMIN. Below that, a 'YOU ARE HERE' breadcrumb trail shows: Content > Operational Data > REMIT. The main content area is titled 'REGISTER ASSET' and contains a 'Register Asset' form. The form has a message: 'Registering asset to PARTY1'. The form fields are: Asset Id, Asset Name, Asset Type (dropdown), Unit Type (dropdown), Unit ID, Area (dropdown), Fuel Type (dropdown), and Normal Capacity. A 'Submit' button is at the bottom of the form. To the right of the form is a 'MY PORTAL' section for user 'John Smith', with links to 'My Profile', 'My Download Basket (empty)', and 'Bookmarks (manage)'. There's also a 'REMIT' bookmark and a 'log out' button. Below 'MY PORTAL' is a 'PORTAL CONTENT' section with a list of folders: Financial and Credit, LDSO Data, National Grid Data, Operational Data (highlighted), Applications, Site Information, and ELEXON. At the bottom of the portal content are links: Expand All, Collapse All, and View Site Map. The footer contains links: Using This Site, Terms of Use, Privacy Policy, Site Map, and Cookie Policy. It also states: ELEXON© 2014 All Rights Reserved - Built and maintained by CGI.

ELEXON.co.uk ELEXON Portal BM Reports TAAMT

ELEXON Portal

site search

HOME FAQs USER GUIDE SEARCH FEEDBACK ADMIN

YOU ARE HERE > Content > Operational Data > REMIT

REGISTER ASSET

Register Asset

Registering asset to PARTY1

Asset Id:

Asset Name:

Asset Type:

Unit Type:

Unit ID:

Area:

Fuel Type:

Normal Capacity:

Submit

MY PORTAL

John Smith

My Profile

My Download Basket (empty)

Bookmarks (manage)

REMIT

log out

PORTAL CONTENT

Financial and Credit

LDSO Data

National Grid Data

Operational Data

Applications

Site Information

ELEXON

Expand All | Collapse All | View Site Map

Using This Site Terms of Use Privacy Policy Site Map Cookie Policy

ELEXON© 2014 All Rights Reserved - Built and maintained by CGI

- Asset Registration page
- Only non-BSC Assets can be registered
- Users may choose their own Asset ID
- Unit ID could be used to group Assets together
- Area could be a BMRS Zone



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## P291 – REMIT Submission via the ELEXON Portal (1 of 2)

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- Data submitted via the ELEXON Portal will be confirmed as accepted and validated by the ELEXON Portal only
  - The ELEXON Portal will perform XSD Validation to ensure the submitted XML data complies with the required definition and structure
  - Since data publication is performed by the BMRS we cannot tie the ELEXON Portal submission mechanism to an external application – BMRS processing is independent and asynchronous
  - There is no intention to acknowledge a REMIT submission via the ELEXON Portal beyond simple acceptance by the ELEXON Portal - The only possible route back to users that the ELEXON Portal currently has is email and that is not a good choice
    - For interactive UI submissions the feedback of acceptance by the ELEXON Portal will be displayed on the screen immediately following submission
    - For webservice submissions an acceptance will be returned with standard HTTP response codes indicating success or otherwise
  - It will be up to users to perform any further checks they feel are necessary

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## P291 – REMIT Submission via the ELEXON Portal (2 of 2)

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- The ELEXON Portal will validate as much information as it can for submissions made via its webservice
  - Asset IDs must be known to the ELEXON Portal
  - Assets must be reported on by authorised users, either
    - using an interactive ELEXON Portal account that has the REMIT publishing permission for that Asset, or
    - using the ELEXON Portal webservice with the scripting key of an ELEXON Portal account that has the REMIT publishing permission for that Asset
- To ensure consistency with the data held in the ELEXON Portal's asset register, any asset attributes supplied in the XML will be replaced by those held against that asset in the Portal's asset register
  - The attribute fields in the XML will be optional, but whatever is supplied will be replaced by the details held in the Asset register before being sent to the BMRS

## P291 – REMIT Message Identification

- The XSD for REMIT XML messages borrows many features from the XSDs created for P295 by ENTSO-E including document identification elements
  - However, validation rules are different than those for ENTSO-E
- A REMIT message includes a 35 char mRID element used as the Message ID
- Message IDs are considered unique within the domain of Participant ID.
- The structure of the mRID is entirely up to users and the mRID should provide users with ample opportunity to identify their REMIT messages as they wish
- The only validation performed is XSD validation to ensure only allowable characters are used; no further validation of structure or content will be performed
- A suggested form for mRID could be  
<MP EIC Code>-NGET-RMT-<Sequence number>  
Where <Sequence number> is an 8-digit, zero-padded integer

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## P291 – REMIT Message Follow-Up

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- Users can follow-up on a REMIT message using a revisionNumber field if they wish
- Current thinking is that BMRS will not take any notice of the revisionNumber field. The mRID and revisionNumber fields are there to provide Participants with flexibility to manage their REMIT submissions.
- Any submission received by the BMRS with an mRID already known to it (for the Participant) is treated as a follow-up message. The value of revisionNumber is irrelevant to the BMRS.
- Messages are processed by BMRS in the order of receipt. The most recently received submission for any mRID is the “latest” version of a message and messages will be displayed on the BMRS in the order of receipt. This is to avoid possible after-event manipulation of REMIT data.
- Documents with mRID and revisionNumber values received already will NOT be rejected – these will be treated as follow-ups and displayed as such.

# P291 – REMIT Message creation using ELEXON Portal UI

- Messages can be saved as Draft for completion and submission to the BMRS at a later time

The screenshot displays the ELEXON Portal interface. At the top, there's a navigation bar with links to ELEXON.co.uk, ELEXON Portal (active), BM Reports, and TAAMT. Below this is a search bar and a menu with links to HOME, FAQs, USER GUIDE, SEARCH, FEEDBACK, and ADMIN. A breadcrumb trail shows 'YOU ARE HERE' > Content > Operational Data > REMIT.

The main content area is titled 'CREATE MESSAGE' and 'FOLLOW UP MESSAGE'. The 'CREATE MESSAGE' section is active, showing a form for creating a new message. The form includes fields for 'BSC Participant ID', 'Non-BSC Organisation ID', 'Message Id', 'Message Heading', 'Event Type', 'Asset Id', 'Asset Name', 'Asset Type', 'Unit Type', 'Unit ID', 'Area', 'Fuel Type', 'Normal Capacity', 'Available Capacity', 'Event Start', 'Event End', 'Duration Uncertainty', 'Cause', 'Event Status' (with radio buttons for Open, Closed, and Cancelled), and 'Related Information'. There are also buttons for 'Add Bookmark', 'Add', 'Remove', 'log out', and 'Submit/Draft'.

On the right side, there's a 'MY PORTAL' section for John Smith, with links to 'My Profile', 'My Download Basket (empty)', and 'Bookmarks (manage)'. Below this is a 'PORTAL CONTENT' section with a list of categories: Financial and Credit, LDSO Data, National Grid Data, Operational Data, Applications, Site Information, and ELEXON. At the bottom, there are links for 'Expand All', 'Collapse All', and 'View Site Map'.

# P291 – REMIT Message example

```
<?xml version="1.0" encoding="utf-8"?>
<Message xmlns="http://bmreports.com/XSD/remit.xsd">
  <mRID>11XEDFTRADING--G-NGET-RMT-000000001</mRID>
  <revisionNumber>1</revisionNumber>
  <DocumentType>REMIT_document</DocumentType>
  <Sender_MarketParticipantID>11XEDFTRADING--G</Sender_MarketParticipantID>
  <Sender_MarketParticipantRole>A06</Sender_MarketParticipantRole>
  <Receiver_MarketParticipantID>10X1001A1001A515</Receiver_MarketParticipantID>
  <Receiver_MarketParticipantRole>A01</Receiver_MarketParticipantRole>
  <CreatedDateTime>2014-05-19T10:15:22Z</CreatedDateTime>
  <InsideInformation>
    <MessageHeading>Wind turbine blade repair planned</MessageHeading>
    <EventType>PLANNEDOUTAGE</EventType>
    <Participant_MarketParticipantID>EDFT</Participant_MarketParticipantID>
    <AssetId>E_BABAW-1</AssetId>
    <AssetType>Production</AssetType>
    <AffectedUnit>EDFWINDT1</AffectedUnit>
    <AffectedArea>Greenhithe</AffectedArea>
    <FuelType>WIND</FuelType>
    <NormalCapacity>5493454</NormalCapacity>
    <AvailableCapacity>0</AvailableCapacity>
    <EventStatus>OPEN</EventStatus>
    <EventStart>2014-06-01T08:30:00Z</EventStart>
    <DurationUncertainty>Unsure at this stage</DurationUncertainty>
    <Cause>Broken blade requiring replacement causing inefficiency</Cause>
    <RelatedInformation>No further information available at this time</RelatedInformation>
  </InsideInformation>
</Message>
```

# P291 – REMIT Follow-Up Message example

```
<?xml version="1.0" encoding="utf-8"?>
<Message xmlns="http://bmreports.com/XSD/remit.xsd">
  <mRID>11XEDFTRADING--G-NGET-RMT-000000001</mRID>
  <revisionNumber>2</revisionNumber>
  <DocumentType>REMIT_document</DocumentType>
  <Sender_MarketParticipantID>11XEDFTRADING--G</Sender_MarketParticipantID>
  <Sender_MarketParticipantRole>A06</Sender_MarketParticipantRole>
  <Receiver_MarketParticipantID>10X1001A1001A515</Receiver_MarketParticipantID>
  <Receiver_MarketParticipantRole>A01</Receiver_MarketParticipantRole>
  <CreatedDateTime>2014-05-19T10:17:35Z</CreatedDateTime>
  <InsideInformation>
    <MessageHeading>Wind turbine blade repair planned</MessageHeading>
    <EventType>PLANNEDOUTAGE</EventType>
    <Participant_MarketParticipantID>EDFT</Participant_MarketParticipantID>
    <AssetId>E_BABAW-1</AssetId>
    <AssetType>Production</AssetType>
    <AffectedUnit>EDFWINDT1</AffectedUnit>
    <AffectedArea>Greenhithe</AffectedArea>
    <FuelType>WIND</FuelType>
    <NormalCapacity>5493454</NormalCapacity>
    <AvailableCapacity>0</AvailableCapacity>
    <EventStatus>OPEN</EventStatus>
    <EventStart>2014-06-01T08:30:00Z</EventStart>
    <EventEnd>2014-06-02T06:00:00Z</EventEnd>
    <DurationUncertainty>All working day of the 1st June 2014</DurationUncertainty>
    <Cause>Broken blade requiring replacement causing inefficiency</Cause>
    <RelatedInformation>No further information available at this time</RelatedInformation>
  </InsideInformation>
</Message>
```

document title

## P291 – REMIT 2<sup>nd</sup> Follow-Up Message example

```
<?xml version="1.0" encoding="utf-8"?>
<Message xmlns="http://bmreports.com/XSD/remit.xsd">
  <mRID>11XEDFTRADING--G-NGET-RMT-000000001</mRID>
  <revisionNumber>3</revisionNumber>
  <DocumentType>REMIT_document</DocumentType>
  <Sender_MarketParticipantID>11XEDFTRADING--G</Sender_MarketParticipantID>
  <Sender_MarketParticipantRole>A06</Sender_MarketParticipantRole>
  <Receiver_MarketParticipantID>10X1001A1001A515</Receiver_MarketParticipantID>
  <Receiver_MarketParticipantRole>A01</Receiver_MarketParticipantRole>
  <CreatedDateTime>2014-05-19T10:23:19Z</CreatedDateTime>
  <InsideInformation>
    <MessageHeading>Wind turbine blade repair planned</MessageHeading>
    <EventType>PLANNEDOUTAGE</EventType>
    <Participant_MarketParticipantID>EDFT</Participant_MarketParticipantID>
    <AssetId>E_BABAW-1</AssetId>
    <EventStatus>CANCELLED</EventStatus>
  </InsideInformation>
</Message>
```



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# P291 – REMIT BMRS Overview 1

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## ■ Data Loading

- Data conforming to the P291 REMIT XSD can be submitted to BMRS via FTP.
- Data will be sourced from both
  - National Grid
  - ELEXON Portal
- Follow up messages will be consistent with the ELEXON Portal Approach, ie messages with the same mRid will be treated as follow up messages and displayed in order of datetime of receipt.
- Once data is successfully loaded it will be:
  - Displayed on the BMRS UI.
  - Published to TIBCO rendezvous with a new XML payload.

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# P291 – REMIT BMRS Overview 2

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## ■ Validation

- P291 data submitted to the BMRS will be validated against the P291 XSD.

## ■ Acknowledgments

- If data fails XSD validation an acknowledgement will be sent back to National Grid.
- When data has successfully passed validation and successfully loaded, an acknowledgment is sent back to National grid
- P291 acknowledgment messages will conform to ENTSOE published acknowledgement.xsd (current thinking).

# P291 BMRS UI – Message Summary 1

ELEXON

ELEXON.co.uk ELEXON Portal **BM Reports** TAAMT Careers

**ELEXON**

HOME **MESSAGES**

Home » Messages

**DATE:**

☒ Ongoing event ☐ Date of publication

Next 7 Days ▼ 2014-03-20 2014-04-01

**FILTER MESSAGES** More Filters

**XML** **CSV**

Event Type	Published DateTime (GMT)	Event Start DateTime (GMT)	Event End DateTime (GMT)	Message ID	Event Message	Asset ID	[Affected Unit]	Fuel Type	Affected Areas
Planned Outage	2014-03-18 14:00:00Z	2014-03-18 14:00:00Z	2014-03-18 16:30:00Z	UMM-01-01212	EXAMGEN1 - Planned Outage for Power Station Generating Unit A from 20/03/14 14:00 untill 20/03/14 16:30	EXAMGEN1	G31	coal	B1
Planned Outage	2014-03-18 14:00:00Z	2014-03-18 14:00:00Z	2014-03-18 16:30:00Z	UMM-01-01212	EXAMGEN1 - Planned Outage for Power Station Generating Unit A from 20/03/14 14:00 untill 20/03/14 16:30	EXAMGEN1	NA	coal	B1
Planned Outage	2014-03-18 14:00:00Z	2014-03-18 14:00:00Z	2014-03-18 16:30:00Z	UMM-01-01212	EXAMGEN1 - Planned Outage for Power Station Generating Unit A from 20/03/14 14:00 untill 20/03/14 16:30	EXAMGEN1	G31	coal	B1
Planned Outage	2014-03-18 14:00:00Z	2014-03-18 14:00:00Z	2014-03-18 16:30:00Z	UMM-01-01212	EXAMGEN1 - Planned Outage for Power Station Generating Unit A from 20/03/14 14:00 untill 20/03/14 16:30	EXAMGEN1	NA	coal	B1

Basic Filter

Download Options

Message Summary

# P291 BMRS UI – Message Summary 2

**ELEXON** ELEXON.co.uk ELEXON Portal **BM Reports** TAAMT Careers

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**ELEXON**

HOME **MESSAGES**

Home » Messages

**DATE:**

☒ Ongoing event ☐ Date of publication

Next 7 Days

**EVENT TYPE :** [Check All](#) | [Uncheck All](#)

☐ Planned Outage ☒ Outage or limitation  
☐ Failure ☐ Expansion or dismantling  
☒ Special Information ☐ Market information

**AREA:** [Check All](#) | [Uncheck All](#)

☐ B1 ☐ B2 ☒ B3 ☐ B4 ☐ B5  
☐ B6 ☐ B7 ☐ B8 ☐ B9 ☐ B10  
☒ B11 ☐ B12 ☐ B13 ☐ B14 ☐ B15  
☐ B16 ☐ B17

**FUEL TYPE :** [Check All](#) | [Uncheck All](#)

☐ Bio ☐ Natural gas ☐ Other  
☒ Coal ☒ Nuclear ☐ Peat  
☐ Hydro ☐ Oil ☐ Wind  
☐ Light oil ☒ Oil shale ☐ Empty

**Asset ID :**

**FILTER MESSAGES** [Hide Filters](#)

[XML](#) [CSV](#)

Event Type	Published DateTime (GMT)	Event Start DateTime (GMT)	Event End DateTime (GMT)	Message ID	Event Message	Asset ID	[Affected Unit]	Fuel Type	Affected Areas
Planned Outage	2014-03-18 14:00:00Z	2014-03-18 14:00:00Z	2014-03-18 16:30:00Z	UMM-01-01212	EXAMGEN1 - Planned Outage for Power Station Generating Unit A from 20/03/14 14:00 untill 20/03/14 16:30	EXAMGEN1	G31	coal	B1
Planned Outage	2014-03-18 14:00:00Z	2014-03-18 14:00:00Z	2014-03-18 16:30:00Z	UMM-01-01212	EXAMGEN1 - Planned Outage for Power Station Generating Unit A from 20/03/14 14:00 untill 20/03/14 16:30	EXAMGEN1	NA	coal	B1
Planned Outage	2014-03-18 14:00:00Z	2014-03-18 14:00:00Z	2014-03-18 16:30:00Z	UMM-01-01212	EXAMGEN1 - Planned Outage for Power Station Generating Unit A from 20/03/14 14:00 untill 20/03/14 16:30	EXAMGEN1	G31	coal	B1
Planned Outage	2014-03-18 14:00:00Z	2014-03-18 14:00:00Z	2014-03-18 16:30:00Z	UMM-01-01212	EXAMGEN1 - Planned Outage for Power Station Generating Unit A from 20/03/14 14:00 untill 20/03/14 16:30	EXAMGEN1	NA	coal	B1

Basic Filters

Event Type

Message Summary

BMRS Zones

Fuel Type

Asset ID

Download Options

# P291 BMRS UI – Message Detail

The screenshot displays the ELEXON BMRS UI Message Detail page. The page layout includes a top navigation bar with links to ELEXON.co.uk, ELEXON Portal, BM Reports (active), TAAMT, and Careers. Below this is the ELEXON logo and a breadcrumb trail: HOME > MESSAGES. The main content area shows the message title 'Planned Outage' with ID 'UMM-01-01212'. The event details specify 'EXAMGEN1 – Planned Outage for Power Station Generating Unit A from 20/03/14 09:00 until 20/03/14 18:00'. The asset ID is 'EXAMGEN1' and the publication date is '2014-03-18 14:00:00Z'. The event details table shows available capacity, start/end times, duration uncertainty, cause, and status. The asset details table shows asset type, affected unit, area, fuel type, and capacity. The related information section notes the planned outage for routine maintenance. The related messages section lists a series of published dates, with the current view being the 2014-03-18 14:00:00Z message. A 'Back' button is located at the bottom left of the main content area. The footer contains links to Site Help, Site Map, Contact Us, and Privacy Policy, along with the copyright notice 'ELEXON © 2014 All Rights Reserved'.

**REMIT Event Type**

**Message ID**

**Asset ID**

**Related Information**

**Follow Up Messages**

**Message Heading**

**Publication Date**

**Event Detail**

**Asset Detail**

Event Details					
Available Capacity (MW)	Event Start (GMT)	End Start (GMT)	Duration Uncertainty	Cause	Event Status
0	2014-03-20 14:00:00Z	2014-03-20 16:30:00Z	+/- 24 Outage	Planned Outage	Open

Asset Details					
Asset*	Asset Type	Affected Unit	Affected Area	Type of Fuel	Normal Capacity (MW)
EXAMGEN1	Transmission	NA	B1	Coal	200

Related Messages	
Published Date Time (GMT)	
2014-03-15 14:00:00Z	
2014-03-18 14:00:00Z	(Currently Viewing)
2014-03-13 17:00:00Z	
2014-03-18 18:00:00Z	
2014-03-18 13:00:00Z	

Back

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## **P295 BMRS Transparency UI**

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# P295 – BMRS Transparency Overview 1

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## ■ Data Loading

- Data conforming to specific ENTSOE Transparency XSDs can be submitted to BMRS via FTP.
- Data will be received from National Grid
- Once data is successfully loaded it will be:
  - Displayed on the BMRS UI.
  - Published to TIBCO Rendezvous with a new XML payload.
  - Published to EMFIP Transparency Platform via the Unicorn ECP Platform.

## ■ Validation

- P295 data submitted to the BMRS will be validated against
  - The appropriate ENTSOE XSD eg generationload.xsd, outage.xsd
  - Standard ENTSOE document version rules eg mRID, revisionNumber duplication

# P295 – BMRS Transparency Overview 2

## ■ Acknowledgments

### – Failure

- If there is a failure in the data loading process including
  - XSD validation
  - Submission to EMFIP

A negative acknowledgement will be sent back to National Grid source application either generated from BMRS or the EMFIP platform.

### – Success

- When data has successfully passed validation and in turn successfully submitted to the EMFIP platform, the positive acknowledgment from EMFIP is conditionally forwarded to National Grid.

### – Data

- P295 acknowledgment messages will conform to ENTSOE published acknowledgement.xsd



# P295 – BMRS UI 1

Message Type

Download Options

Reason Description

Time Series ID	Date	Start Time (GMT)	End Date	End Time (GMT)	Quantity (MAW)	Reason	Reason Description
NGET-EMRIP-PUCU-0001	2014-03-18	14:00:00Z	2014-03-18	15:00:00Z	200	Shutdown	shut down for maintenance..
NGET-EMRIP-PUCU-0001	2014-03-18	14:00:00Z	2014-03-18	15:00:00Z	200	Shutdown	shut down for maintenance..
NGET-EMRIP-PUCU-0001	2014-03-18	14:00:00Z	2014-03-18	15:00:00Z	200	Shutdown	shut down for maintenance..
NGET-EMRIP-PUCU-0001	2014-03-18	14:00:00Z	2014-03-18	15:00:00Z	200	Shutdown	shut down for maintenance..
NGET-EMRIP-PUCU-0001	2014-03-18	14:00:00Z	2014-03-18	15:00:00Z	200	Shutdown	shut down for maintenance..
NGET-EMRIP-PUCU-0001	2014-03-18	14:00:00Z	2014-03-18	15:00:00Z	200	Shutdown	shut down for maintenance..
NGET-EMRIP-PUCU-0001	2014-03-18	14:00:00Z	2014-03-18	15:00:00Z	200	Shutdown	shut down for maintenance..

B0710

Planned Unavailability Of Consumption Units

A7.1a

# P295 – BMRS UI 2

**ELEXON**

ELEXON.co.uk ELEXON Portal **BM Reports** TAAMT Careers

HOME MESSAGES TRANSPARENCY

Home » TRANSPARENCY » Balancing » Amount Of Balancing Reserves Under Contract

## Amount Of Balancing Reserves Under Contract

Settlement Date:  Period:

Time Series ID	Business Type	Control Area	Market Agreement Type	PSR Type	Flow Direction	Settlement Date (YYYY-mm-dd)	Settlement Period	Quantity (MAW)
NGET-EMFIP-ATL-0001	Frequency Containment Reserve	London	Monthly	Generation	Stable	2014-12-31	4	200
NGET-EMFIP-ATL-0001	Frequency Containment Reserve	London	Monthly	Generation	Stable	2014-12-31	4	200
NGET-EMFIP-ATL-0001	Frequency Containment Reserve	London	Monthly	Generation	Stable	2014-12-31	4	200
NGET-EMFIP-ATL-0001	Frequency Containment Reserve	London	Monthly	Generation	Stable	2014-12-31	4	200

Settlement Period

Download Options

B1720 Amount Of Balancing Reserves Under Contract A17.1b



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## **API Update & Policy**

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# API Requirements

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## ■ Aims

- Secure and performant industry facing webservice platform.
- Initially P291 and P295 data will be provisioned as part of phase 1.

## ■ Principles

- Expose a set of RESTful webservices
- Provides the P295 BMRA ETR and P291 REMIT data as a service
- Requests for the data can be made based on a set of parameters
- Authentication will be provided by an API Key
- Transport will be over HTTPs
- Services will be versioned
- Response formats XML CSV will be included as a parameter.
- Standard HTTP response codes will be used.

---

# API Example 1

---

Article Name:

B0710	Planned Unavailability Of Consumption Units	A7.1a
-------	---	-------

URL Format:

```
http://<host>:<port>/bmrs/B0710/<versionNo>?apikey=<apikey>&startDateTime=<startDateAndTime>&endDateTime=<endDateAndTime>&serviceType=<xml/csv>
```

URL Request example:

```
http://207.2.36.9:7006/bmrs/B0710/1?apikey=AP8DA23&startDateTime=2014-03-18 14:00:00Z &endDateTime=2014-03-18 14:30:00Z &serviceType=xml
```

---

## API Example 2

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Article Name:

B1720	Amount Of Balancing Reserves Under Contract	A17.1b
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URL Format:

```
http://<host>:<port>/bmrs/B1720/<versionNo>?apikey=<apikey>&settlementDate=<settlementDate>&period=<period>&serviceType=<xml/csv>
```

URL Request example:

```
http://207.2.36.9:7025/bmrs/B1720/1?apikey=SDF234S&settlementDate=2014-03-18&period=12&serviceType=xml
```

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# API Usage Policy

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- Principles
  - Ensure fair usage
  - Maintain performance of API and Interactive website
  - Protecting the Service
- Registration for users
- Data Capping/request will be part of API Design (and can be adapted)
- Assigning Key & Revoking keys
- Restrictions
- Support Levels

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## Next Steps

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- Issue Headline report
- Issue API usage policy for review (End of June)
- Next Meeting towards end June (After NG ETR meeting)



