

# HEADLINE REPORT

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<b>MEETING NAME</b>	BMRS User Group Meeting 3
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<b>Meeting number</b>	2014/03
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<b>Date of meeting</b>	29 July 2014
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<b>Classification</b>	Public
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## ATTENDEES

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Zaahir Ghanty	ELEXON
Steve Francis	ELEXON
Mike McCloskey	ELEXON
Stephen Thompson	ELEXON
Will Hulse	Cognizant
Andy Howden	CGI
Paul Coates	RWE
Paul Noakes	Drax
Austin Sharman	Ofgem
Alasdair Yuille	Ofgem
Graham Bunt	EDF
Lewis Mitchell	EDF
Erik Cummins	EDF
Nick Haines	Good Energy
Steve Roberts	National Grid
Michael Oprych	Innovez (on behalf of Hetco)
Dimosthenis Karadimas	Innovez (on behalf of Hetco)
Tom Bowcutt	Centrica
Tony Osborne	DateGenic (on behalf of EDF)

## APOLOGIES

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Alex Haffner	National Grid
Damon Hari Davis	Exnet
Adrian Bullock	Trayport Contigo
Julian Thacker	Vuepoint Solutions
Richard Cannock	EDF
George Lear	EDF

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## 1. Introduction

1.1 The meeting was focussed on the following main areas:

- Recap on Meeting 2
- New BMRS Phase 2 requirements
- API discussion
- REMIT Implementation guide
- System screenshots
- Participant Testing update

## 2. Recap from Meeting 2

2.1 A summary of the previous meeting and an update on the outstanding actions was presented:

- Action to include EIC as part of the REMIT XSD – An update to include EIC in the latest XSD was carried out and this has been shared with National Grid and included in the ELEXON portal. Note EIC is an optional field if participants have one.
- Suggestion to include a hierarchical XML structure for REMIT – This was not applied due to the significant impact on the system and different to the P291 solution which could impact the delivery.
- Suggestion for inclusion of RSS feeds for REMIT – This has been impact assessed and can be introduced in the system as part of Phase 2 of the BMRS project. There were discussions that RSS feed is recommended as best practice by Acer for inside information platform; it provides updates reasonably easily to anyone who requires this. It was also debated whether the RESTful and Streaming API will be a more robust solution therefore making RSS redundant. RSS is also an obsolescent technology and does not have the same security as the API for data access; as such it could easily be misused, e.g. by a user polling the service at a high frequency and impacting performance. However despite the limitation, ELEXON confirmed that it will be introduced if users believe it is useful.
- Action to include a boiler plate message for REMIT – This has been actioned and is included in the REMIT webpage of BMRS.

2.2 **ACTION:** User group members to comment on whether they will use RSS or API will satisfy their requirements for data retrieval by 8 August 2014.

## 3. Phase 2 Requirements

3.1 An overview of the requirements for Phase 2 of the BMRS project was presented. These included the following:

- Data Loading – Current BMRS data will be loaded in parallel into the new system
- Data Migration – Existing flows will be migrated, which includes up to three years historical data. Clarification was sought on the current situation and it was confirmed that three years is aligned with current practice.
- APIs for existing flow. Current BMRS flows will be available through the RESTful APIs (this excludes BMRS derived data such as imbalance prices which will be available in Phase 3).
- Data Streaming API - Create a set of streaming Web Service APIs. The Streaming APIs need to be designed only for those flows that have a frequency of a week or more.

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- 3.2 It was discussed that the current design for the RESTful APIs will be based on report outputs from BMRS. The current thinking is to model the streaming based on TIBCO outputs issued to high grade users. This will provide participant a free alternative to TIBCO.
- 3.3 Also discussed was the need to provide a configurable set of backfill data when connecting to the data streaming APIs, up to 12 hours. Clarification was made that participants will be able to choose whether they wanted backfill and configure how much they required; it wasn't automatically defaulted at 12 hours.
- 3.4 A member stated that there may be weekend shutdowns, in which case up to 56 hours may be required. It was suggested that the gaps in data can be filled by invoking the RESTful web service to retrieve such gaps for mission critical data. There may be issues with different format of reports, this will need to be communicated and ensure it meet users requirements. BMRS usually works on a 4 hour Disaster recovery, so it is unlikely the website will be down for more than 12 hours.
- 3.5 Other areas such as possible implementation of Secure FTP (SFTP) for Phase 2 were also mentioned; however these only impact ELEXON and National Grid.

## 4. API Discussion

### API Progress and features

- 4.1 ELEXON gave a walkthrough the API design, presenting example URLs and focussing on the various aspects such as:
- Versioning: BMRS supports multiple APIs versions to minimise impact on users, noting that using a superseded version will not return all results if new data has been added following an industry change. A **suggestion** was made to publish details of all the various APIs on the BMRS
  - Capping: API response size will be capped to prevent any undue load on the system, with capping information being contained within the response itself. Capping size is yet to be determined but will be configurable. ELEXON expects this will be an iterative process that will be fine-tuned to ensure the right balance between participants efficiently getting what they require and maintaining performance of the application.
- 4.2 **Suggestion:** in relation to the sample API URL , users should be able to omit the Settlement Period parameter in order to receive all data for that Settlement Date, rather than inserting an asterisk as a wildcard..
- 4.3 A member asked about the changes to the ENTSO-E XMLs and how this is managed. ELEXON explained this was an issue currently due to the lack of transparency on the change governance. ENTSO-E does not support multiple versions of XSD and if changes are not communicated in reasonable notice, there is a risk that files get rejected.
- 4.4 **Action:** ELEXON and Ofgem will discuss the issue and advise ENTSO-E on the notice/lead time required to implement a change in GB market.
- ### API Terms of Use
- 4.5 The API terms of use was circulated. A participant suggested it was important to make the distinction between using the API key for posting data (REMIT) and retrieving data. It was clarified that users should have separate accounts for these activities, and extra permissions are required for posting data on the ELEXON Portal.
- 4.6 **Action:** ELEXON will update the policy to make it clear that misusing the API could result in the API key being revoked and an inability to post REMIT messages. ELEXON will make this clear in the guidance and recommend that separate accounts are used for posting and retrieving messages.

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## API User Guide

- 4.7 This will be an evolving document and will contain information about the API such as URLs, XSDs for returned results, etc. One member asked when this will be available and ELEXON suggested end of October to align with Operational Acceptance Testing – the guide will be sent to the user group for review.
- 4.8 **Suggestion:** Include the API user guide on the BMRS site alongside the help text. This should include the list of APIs and versions.

## 5. REMIT Implementation Guide

- 5.1 ELEXON walked through the implementation guide. **Suggestion** was to include two more statuses for event status: Superseded and Future. **Action** ELEXON will raise this with its service providers and National Grid to assess if this change could be accommodated for Phase 1.
- 5.2 **Suggestion** to include some worked examples of REMIT submissions e.g. to report the lifecycle of a plant outage.
- 5.3 There was a question on follow up messages and whether the message identifiers (mRIDs) used to manage these are system generated. ELEXON clarified that participants are able to use their own scheme to identify messages, with the mRIDs being unique within the domain of a Participant ID. One member mentioned that it could be unique within be within a BM Unit ID (or EIC).
- 5.4 **Post meeting clarification:** mRIDs will be unique within the domain of a Participant ID (not BM units/EIC) since:
- BM Unit ID (and EIC) are optional within the XSD
  - There is the potential for the asset ID to be “No Asset”, which has to be allowable from all submitters.
- Action:** ELEXON to ensure this is clear in the implementation guide.

## 6. Web UI

- 6.1 ELEXON presented the web UI for the REMIT and Transparency pages. There were discussions about whether messages can be automatically closed by system (i.e. by changing the event status within a message) rather than a participant sending a message to formally close a particular outage. ELEXON's preference is for participants to remain in control of the content of their messages.

## 7. Participant Testing

- 7.1 Confirmed that participant testing is currently scheduled for 20<sup>th</sup>, 21<sup>st</sup> and 24<sup>th</sup> November 2014, with a short teleconference user briefing preceding that at the end of October in which further details will be given.
- 7.2 ELEXON also asked the group if there was appetite to test TIBCO connections. **Action:** User group members to confirm if they are interested as soon as possible.