

Public

BMRS User Group

Meeting 4

9 October 2014



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

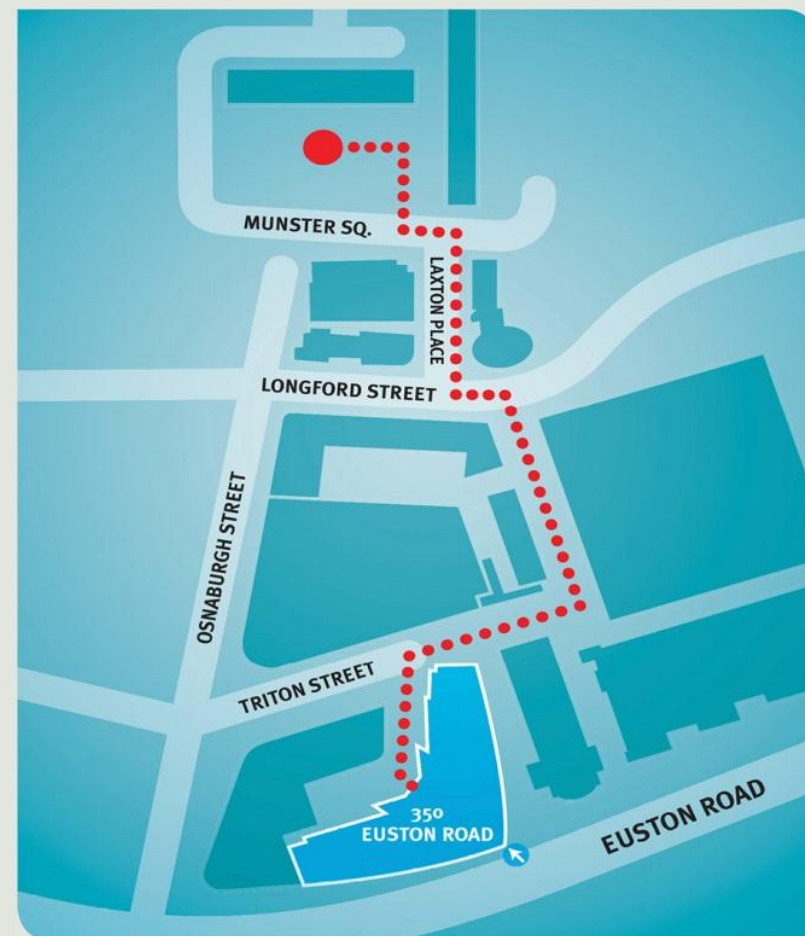
Evacuating 350 Euston Road

- 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.



Content

- Introductions
- Recap from Meeting 3
- BMRS Phase 2 – Solution Update
- Update on ENTSO-E curve types
- Transparency Regulation BMRS Screens
- Lunch (\approx 13:00)
- Participant Testing
- Practicalities of Solution

Implementation Timescales

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 P297¹

- 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)

General Update on project

■ Phase 1

- Completed design
- Entered Operational Acceptance Testing
- Informal Participant Testing
- Formal Participant testing (November)

■ Phase 2

- Completing requirements for Phase 2
- Working on solutions for BMRS push data service

Recap From Meeting 3

- Action: User group members to comment on whether they will use RSS or API
 - Those who replied believed the API will most likely be used. We believe API exceeds RSS to provide users with REMIT data and also sought clarification with ACER

- Suggestion: To publish all versions of API on BMRS
 - Update: The guidance will capture all the new version and will be published to users. This can be included in the front end (not for phase 1).

- 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
 - Update: The guidance will capture all the new version and will be published to users. This can be included in the front end (not for phase 1).

Recap From Meeting 3

- 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.
 - Update: Also raised at ENTSO-E workshop

- Action: ELEXON will update the API policy to make it clear that misusing the API could result in the API key being revoked and an inability to post REMIT messages
 - Doc Updated, presented to ISG and published

- Suggestion: Include the API user guide on the BMRS site alongside the help text.
 - This will be referenced in current BMRS and included in new BMRS

- Suggestion was to include two more statuses for event status: Superseded and Future.
 - Updated and issued



Phase 2 Solution Update

Phase 2 – Solution Update

- Phase 2 will include provision of a push data service using an internet connection
- Previously referred to as Data streaming
- Requirements such as data backfill (discussed in last meeting) will be part of the solution
- The objective is to have a Low Grade comparable alternative to TIBCO (without its issues)



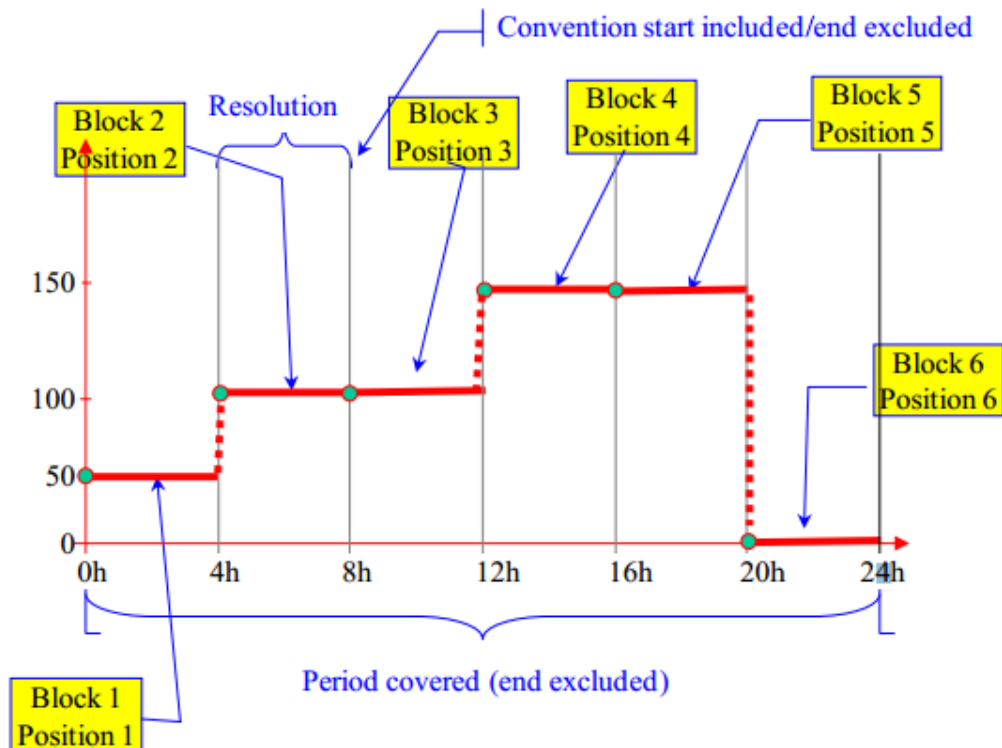
Update on Curve Type

The Time series and Curve Types

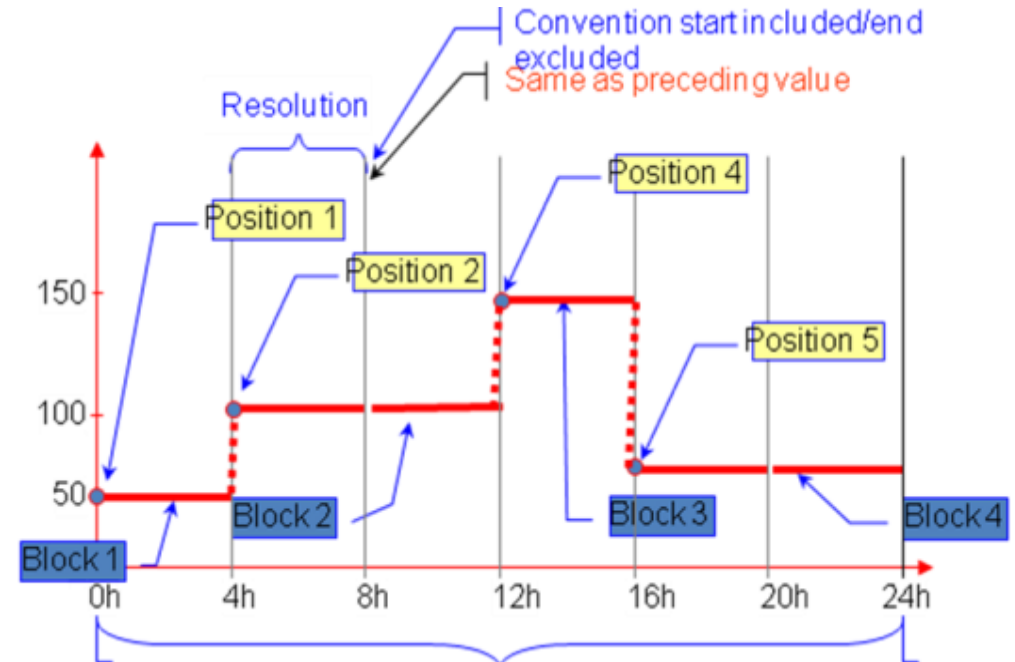
- Time series is similar to Settlement Periods – The ENTSO-E Schemas are hierarchical Each submission will have a series of time interval associated and generally defined with a resolution of 1 min, 15 mins, 30 mins or 1 hour.
- ENTSO-E also defines curve types for these time series as follows
 - A01 – Sequential fixed sized blocks - The curve is made of successive Intervals of time (Blocks) of constant duration (size), where the size of the Blocks is equal to the Resolution of the Period.
 - A02 – Point - The curve is made of successive instants of time
 - A03 – Variable sized blocks - The curve is made of successive Intervals of time (Blocks) of variable duration (size) – End date = start date of next interval
 - A04 – Overlapping breakpoint
 - A05 – Non overlapping Breakpoint
- We have specified only the use of A01 for all articles as it fits the GB market well

Graphical representation

Fixed Sized Blocks



Variable Sized Blocks



A03 only requires the position to be provided where a block change occurs

Reference : THE INTRODUCTION OF DIFFERENT TIME SERIES POSSIBILITIES (CURVETYPE) WITHIN ENTSO-E ELECTRONIC DOCUMENTS

The Issue

- Since the implementation, it was highlighted to us that allowing A03 submission for participants could be a more efficient method of submission for long outages
- ENTSO-E now recommends the use of A03 as much as possible as it results in smaller size XML and allows faster processing
- Transparency platform release 2 has a limit of processing maximally 10 000 position within XML
- Example a year outage with 30min resolution will result in 17520 position

Current Situation

- BMRS does not process A03 correctly, and we are supporting A01 for Go-live
- BMRS does not restrict to 30min resolution for outages – therefore we recommend submitting higher resolutions for longer outages
- We have assessed the impact of changing the system to support A03 as well as A01
- In any case, BMRS will not reject an A03 submission if it conforms to ENTSO-E specification – it will be published to TIBCO and EMFIP properly. BMRS front end will only display the data properly

Next Steps

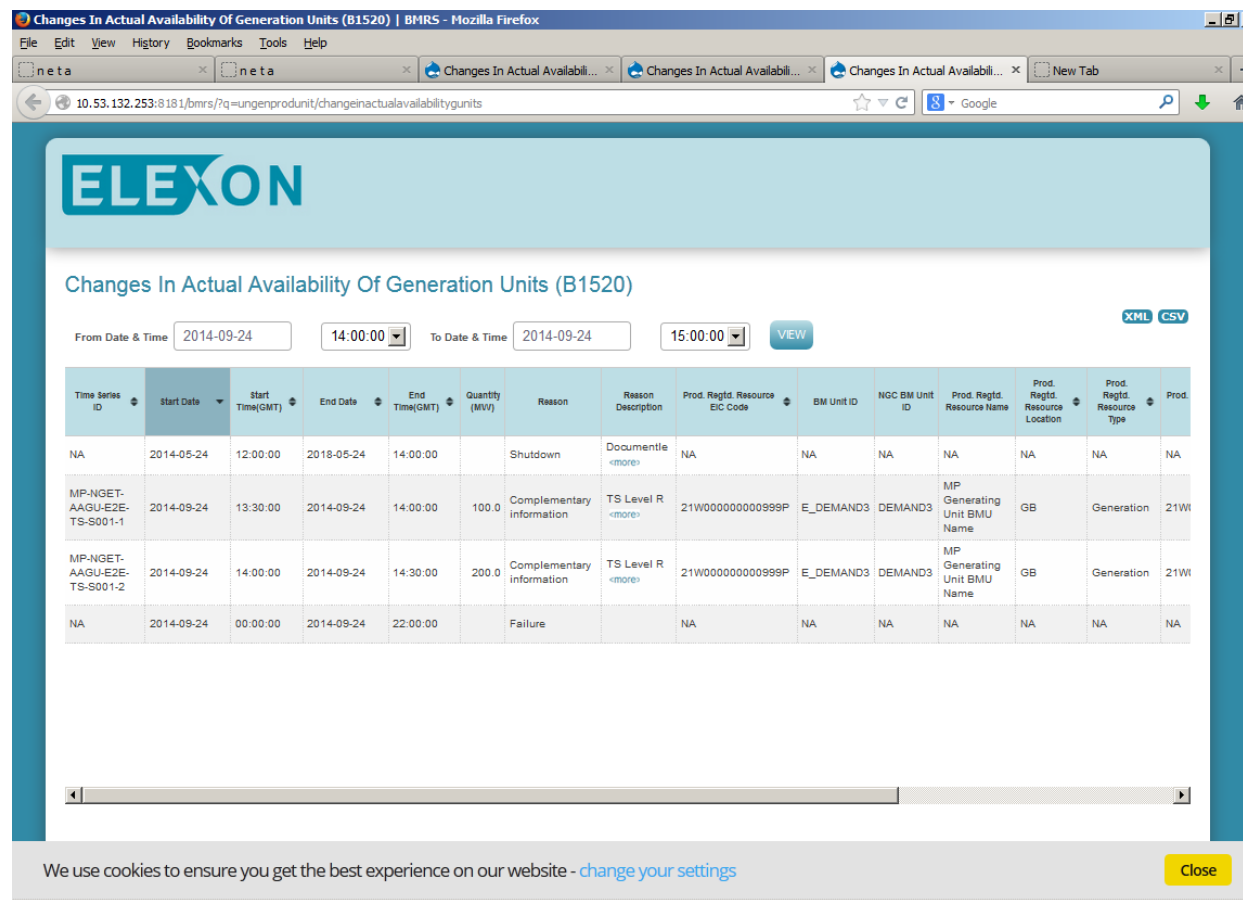
- Presented the issue to Panel Committee ISG
- ISG agreed BMRS solution should be updated to include in A03
- Too risky to make changes for December 2014 but would be beneficial to introduce this before May 2015
- Presenting a paper to next ISG meeting formally asking ISG to approve change based on earliest feasible date



Transparency Regulation BMRS UI

Transparency Regulation UI 1

- Outage File type
- Changes In Actual Availability Of Generation Units
- Article A15.1b



Changes In Actual Availability Of Generation Units (B1520)

From Date & Time: 2014-09-24 14:00:00 To Date & Time: 2014-09-24 15:00:00 VIEW XML CSV

Time Series ID	Start Date	Start Time (GMT)	End Date	End Time (GMT)	Quantity (MW)	Reason	Reason Description	Prod. Reg'd. Resource EIC Code	BM Unit ID	NGC BM Unit ID	Prod. Reg'd. Resource Name	Prod. Reg'd. Resource Location	Prod. Reg'd. Resource Type	Prod.
NA	2014-05-24	12:00:00	2018-05-24	14:00:00		Shutdown	Documentie <more>	NA	NA	NA	NA	NA	NA	NA
MP-NGET-AAGU-EZE-TS-S001-1	2014-09-24	13:30:00	2014-09-24	14:00:00	100.0	Complementary information	TS Level R <more>	21W000000000999P	E_DEMAND3	DEMAND3	MP Generating Unit BMU Name	GB	Generation	21W
MP-NGET-AAGU-EZE-TS-S001-2	2014-09-24	14:00:00	2014-09-24	14:30:00	200.0	Complementary information	TS Level R <more>	21W000000000999P	E_DEMAND3	DEMAND3	MP Generating Unit BMU Name	GB	Generation	21W
NA	2014-09-24	00:00:00	2014-09-24	22:00:00		Failure		NA	NA	NA	NA	NA	NA	NA

We use cookies to ensure you get the best experience on our website - [change your settings](#) Close

Transparency Regulation UI 2

- Balancing File Type
- Cross Border Balancing – Energy Activated
- Article A17.1jc

Cross Border Balancing – Energy Activated (B1830)

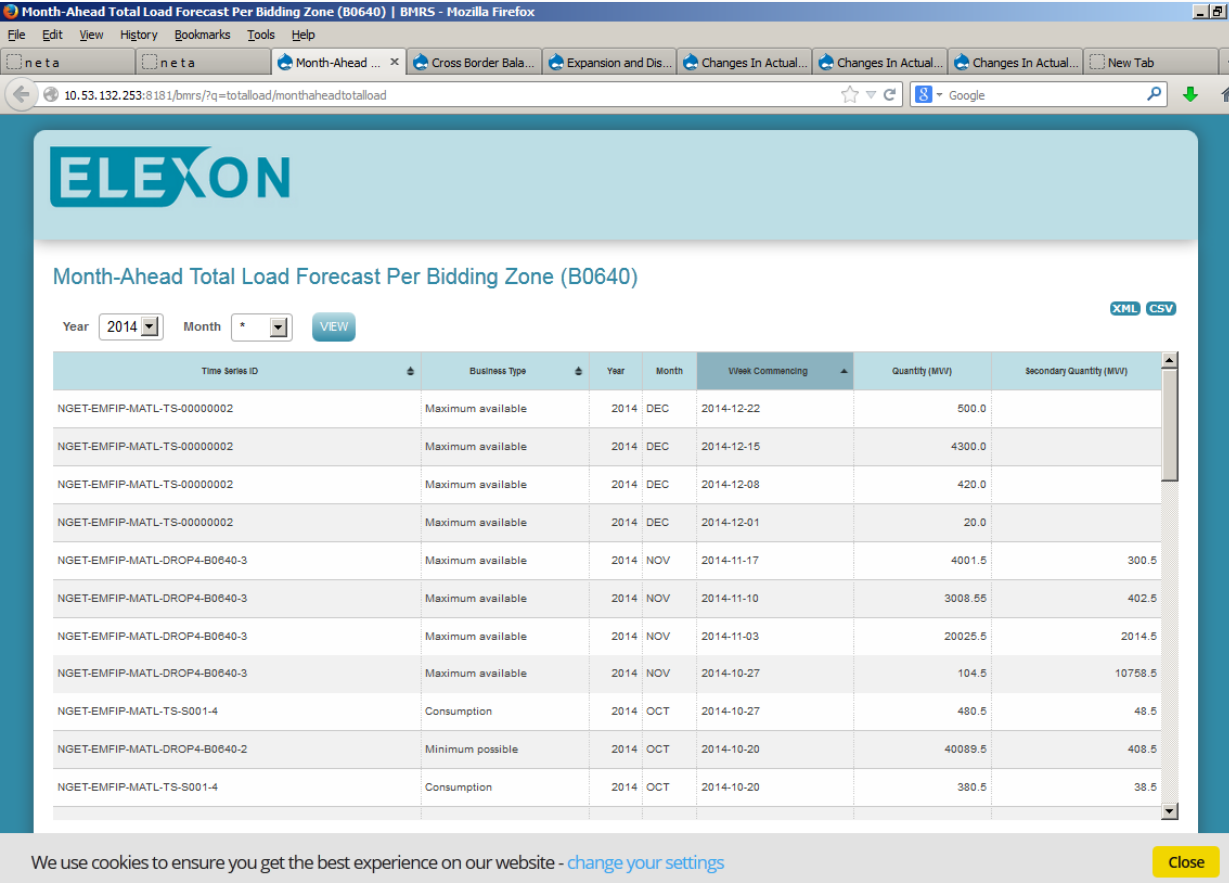
Settlement date: 2014-09-18 Period: 16 VIEW XML CSV

Time Series ID	Business Type	Flow Direction	Settlement Date	Settlement Period	Secondary Quantity (MWh)	Status
NGET-EMFIP-CBBE-TS-00000193	External trade without explicit capacity	DOWN	2014-09-18	16	200.0	Final
NGET-EMFIP-CBBE-TS-00000192	External trade without explicit capacity	DOWN	2014-09-18	16	220.56	Final
NGET-EMFIP-CBBE-TS-00000191	External trade without explicit capacity	UP	2014-09-18	16	700.0	Final
NGET-EMFIP-CBBE-TS-00000190	External trade without explicit capacity	UP	2014-09-18	16	320.56	Final

We use cookies to ensure you get the best experience on our website - [change your settings](#) Close

Transparency Regulation UI 3

- Generation File Type
- Month-Ahead Total Load Forecast Per Bidding Zone
- Article A6.1d



Month-Ahead Total Load Forecast Per Bidding Zone (B0640)

Year: 2014 Month: * VIEW XML CSV

Time Series ID	Business Type	Year	Month	Week Commencing	Quantity (MWh)	Secondary Quantity (MWh)
NGET-EMFIP-MATL-TS-00000002	Maximum available	2014	DEC	2014-12-22	500.0	
NGET-EMFIP-MATL-TS-00000002	Maximum available	2014	DEC	2014-12-15	4300.0	
NGET-EMFIP-MATL-TS-00000002	Maximum available	2014	DEC	2014-12-08	420.0	
NGET-EMFIP-MATL-TS-00000002	Maximum available	2014	DEC	2014-12-01	20.0	
NGET-EMFIP-MATL-DROP4-B0640-3	Maximum available	2014	NOV	2014-11-17	4001.5	300.5
NGET-EMFIP-MATL-DROP4-B0640-3	Maximum available	2014	NOV	2014-11-10	3008.55	402.5
NGET-EMFIP-MATL-DROP4-B0640-3	Maximum available	2014	NOV	2014-11-03	20025.5	2014.5
NGET-EMFIP-MATL-DROP4-B0640-3	Maximum available	2014	NOV	2014-10-27	104.5	10758.5
NGET-EMFIP-MATL-TS-S001-4	Consumption	2014	OCT	2014-10-27	480.5	48.5
NGET-EMFIP-MATL-DROP4-B0640-2	Minimum possible	2014	OCT	2014-10-20	40089.5	408.5
NGET-EMFIP-MATL-TS-S001-4	Consumption	2014	OCT	2014-10-20	380.5	38.5

We use cookies to ensure you get the best experience on our website - [change your settings](#) Close



Participant Testing

Participant Testing

- Participant Testing is scheduled to run for 3 days
- Commences Thursday 20th November, runs through Friday 21st November and completes at COP on Monday 24th November
- Facilities available during Participant Testing will be
 - The new BMRS Website for viewing and searching P295/P291 data
 - The new BMRS APIs for retrieving historic P295/P291 data
 - TIBCO transmission [TBC] – limited to one participant (already allocated)
 - The ELEXON Portal
 - for registering Assets
 - submitting P291 data using a web GUI
 - Submitting P291 data using a webservice
 - Facilities available during Participant Testing will be
- Data available will be whatever is in the new BMRS database at the time which will be the result of submissions made to the test BMRS by National Grid

Participant Testing

- Participation in Participant Testing requires pre-registration
 - Please contact Zaahir Ghanty (zaahir.ghanty@elexon.co.uk 0207 380 4362) before 31st October 2014.
- Once the list of Participants is known, CGI will check whether the users applying already have accounts on the ELEXON Portal or create an account in readiness
- In advance of the start of the Participant Test phase, CGI will issue an email to Participants detailing how to access the APIs and in particular how to find out the Key necessary to use the various API services.
- The firewalls will be opened at the start of testing on 20th November to allow Participants to access the test environment and closed again at the end of the test phase (COP on 24th November)



Practicalities of Solutions



AOB