

# Update to DSWG on Electricity Information Provision

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# Agenda

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- ◆ Background
- ◆ Progress to date
- ◆ Quick wins
- ◆ Phase 1
- ◆ Phase 2
- ◆ Summary

# Background

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# Background to Operational Information Developments

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- ◆ Our customers indicated to us that there were some improvements they would like to see to operational information;
- ◆ We then held various meetings and made several presentations to a range of stakeholder groups;
  - ◆ We welcome the engagement to date the DSWG has provided;
  - ◆ DSWG been a key contributor to shaping these proposals.

# Our October 2007 Consultation

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- ◆ Culminated in us: -
  - ◆ Identifying some improvements that could be made;
  - ◆ Consulting upon the options for delivery routes;
    - ◆ We identified several delivery options and estimated the option costs and high level benefits.
  - ◆ Suggesting how improvements should be delivered in a phased approach.

# ELEXON's Role

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- ◆ ELEXON's mission is to ... “procure, manage and operate the services and systems which enable the balancing and imbalance settlement of the wholesale electricity market and retail competition in electricity supply”.
- ◆ As part of this ELEXON currently provide a high resilience information publication service for the electricity market;
- ◆ A conclusion from the consultation we ran was that it was preferable to build on this existing ELEXON BMRS platform.

# The Balancing and Settlement Code

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- ◆ There are various industry governance arrangements in electricity of which the Balancing and Settlement Code (BSC) is one;
- ◆ Part of this code is concerned with what information the Transmission Company (and others) provide to ELEXON for publication to the market;
- ◆ Changing the BSC is an industry process affecting many parties;
- ◆ P220 (and P219) are the Proposal References for changing what is published.

# Progress to Date

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# National Grid's Strawman

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- ◆ We also developed with stakeholders and consulted on a “strawman” proposal to actively move the debate forward;
- ◆ The strawman formed the basis of the BSC modification proposal we raised;
- ◆ The BSC modification meetings have further improved the proposals.

# Three Pronged Approach

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- ◆ Quick Wins – Things that were relatively simple to do;
- ◆ Phase 1 Improvements – Changes to BMRS reporting that don't need BSC changes
  - ◆ Delivering in March 2008;
- ◆ Phase 2 Delivery – Changes to BMRS reporting that DO need BSC changes
  - ◆ Potentially delivering in November 2008;
  - ◆ Currently in a governance consultation phase.

# Quick Wins

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# We delivered some quick wins

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- ◆ A summary page using links and screenshots of existing data:
  - ◆ <http://www.bmreports.com/dsr.htm>
- ◆ Relatively simple changes to existing information on our website;
  - ◆ Publish spreadsheets with historic outturn Demand data more often on our website;
  - ◆ More regular updates of reactive power utilisation data;
  - ◆ Provide more information on potential BSUoS charge levels.

# Phase 1

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# Phase 1 Summary Page

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- ◆ Feedback received is that BMRS has lots of data, but it is not always easy to find;
- ◆ Phase 1 Summary Page will summarise the most important data that is already on BMRS;
- ◆ Phase 2 will add additional data items (e.g. wind generation forecasts, generation by fuel type) and requires P220 BSC Mod;
- ◆ Format (based on feedback from DSWG) is a single long page (like the pre-MIPI gas summary page)

# An Example – System Warnings

- ◆ BEFORE - System Warnings are buried among other messages:

## System Warnings

Warning Date/Time (GMT)	Warning Message
2007-12-04 18:29	NATIONAL GRID NOTIFICATION of prices for SO to SO Transactions over the National Grid/RTE Interconnector. Prices cover 23:00hrs tonight to 23:00hrs tomorrow (local time) and are in GBP/MWh. From RTE: Offer 103.42; Bid 0. From NGC: Offer 450; Bid 0.
2007-12-04 18:28	NATIONAL GRID NOTIFICATION of prices for SO to SO Transactions over the National Grid/SONI Interconnector. Prices cover the 24 hour period commencing 06:00hrs tomorrow (local time) and are in GBP/MWh. From SONI: Offer 502; Bid 0. From NGC: Offer 450; Bid 0
2007-12-03 17:31	NATIONAL GRID NOTIFICATION of prices for SO to SO Transactions over the National Grid/RTE Interconnector. Prices cover 23:00hrs tonight to 23:00hrs tomorrow (local time) and are in GBP/MWh. From RTE: Offer 112.64; Bid 0. From NGC: Offer 450; Bid 0.
2007-12-03 17:30	NATIONAL GRID NOTIFICATION of prices for SO to SO Transactions over the National Grid/SONI Interconnector. Prices cover the 24 hour period commencing 06:00hrs tomorrow (local time) and are in GBP/MWh. From SONI: Offer 502; Bid 0. From NGC: Offer 450; Bid 0
2007-12-02 16:04	NATIONAL GRID NOTIFICATION of prices for SO to SO Transactions over the National Grid/SONI Interconnector. Prices cover the 24 hour period commencing 06:00hrs tomorrow (local time) and are in GBP/MWh. From SONI: Offer 502; Bid 0. From NGC: Offer 500; Bid 0
2007-12-02 16:03	NATIONAL GRID NOTIFICATION of prices for SO to SO Transactions over the National Grid/RTE Interconnector. Prices cover 23:00hrs tonight to 23:00hrs tomorrow (local time) and are in GBP/MWh. From RTE: Offer 105.06; Bid 0. From NGC: Offer 500; Bid 0.
2007-12-01 16:19	NATIONAL GRID NOTIFICATION of prices for SO to SO Transactions over the National Grid/SONI Interconnector. Prices

# An Example – System Warnings

- ◆ AFTER: Key information pulled out on the summary page:

System Warnings					
Today		Warning in force	Times applicable	Tomorrow	
2007-11-21		NONE	NONE	2007-11-22	HRDR
				2007-11-22	NISM
					15:00-18:00
					16:00-19:30

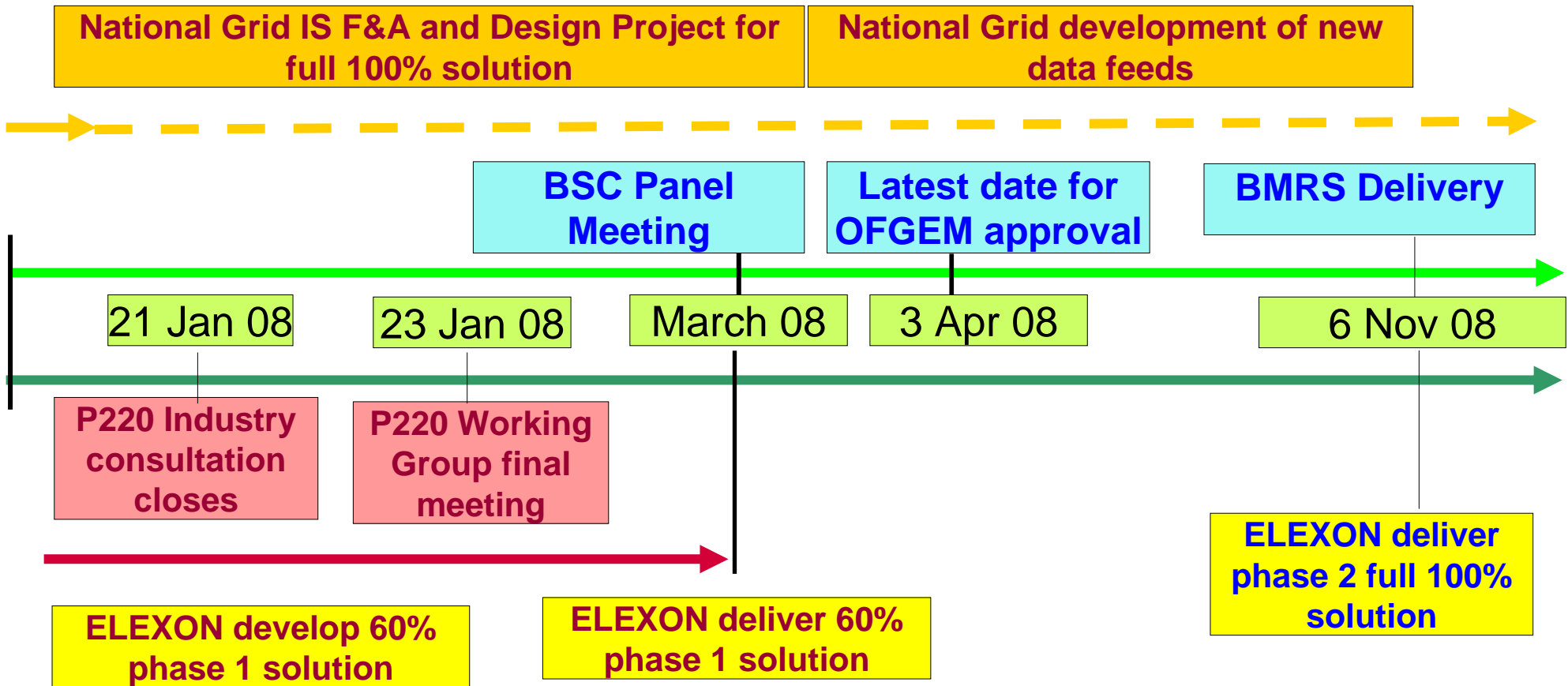
History Information

Peak Demands Yesterday/Today/Tomorrow					
Date	Forecast Demand Peak (MW)	Forecast Peak Demand Time (local time)	Actual Demand Peak (MW)	Actual Demand Peak Time (local time)	last updated (GMT)
2007-11-20	55535	20:00	3482	18:30	2007-11-20 19:02
2007-11-21	55535	20:00			2007-11-20 09:00

# Phase 2

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# Overview Plan



# P220 – New Data Items for Phase 2 Summary Page

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- ◆ Modification Proposal raised by National Grid at November meeting of BSC Panel
- ◆ Puts in place the governance for National Grid to provide additional data items for publication:
  - ◆ Outturn and reference temperatures;
  - ◆ Wind generation forecast;
  - ◆ Instantaneous and half-hourly generation by fuel type (including ‘real-time’ total demand outturn data);
  - ◆ Daily energy volumes transported across the Transmission System; and
  - ◆ Non-Balancing Mechanism (BM) Short Term Operating Reserve (STOR) Instructed Volumes

# Improvements to the Straw Man Solution

- ◆ Better way of summarising generation by fuel type:

Generation By Fuel Type						
	Current		Last Half Hour (03:00-03:30)		Last 24 Hours (03:30-03:30)	
GB Generating Plant	MW	%age	MW	%age	MWh	%age
CCGT	18137	42.1%	18274	42.4%	402038	41.4%
OCGT	1850	4.3%	1400	3.2%	37800	3.9%
Oil	0	0.0%	35	0.1%	385	0.0%
Coal	15315	35.6%	15625	36.3%	375321	38.6%
Nuclear	7308	17.0%	7155	16.6%	143128	14.7%
Power Park Modules (Wind)	189	0.4%	65	0.2%	2600	0.3%
Pumped Storage Plant	15	0.0%	145	0.3%	3423	0.4%
Non-PS Hydro Plant	15	0.0%	20	0.0%	488	0.1%
Other	0	0.0%	65	0.3%	1397	0.1%
<b>Interconnectors</b>						
French Interconnector	55	0.1%	125	0.3%	2250	0.2%
Irish Interconnector	152	0.4%	175	0.4%	2800	0.3%
<b>TOTAL</b>	<b>43036</b>	<b>100 %</b>	<b>43084</b>	<b>100 %</b>	<b>971630</b>	<b>100 %</b>

*Data last updated: 19-Nov-2007 16:52:23*

- ◆ Wind generation forecast for points throughout the day, not just peak:

# Potential Alternative Modification Proposal

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- ◆ Two other improvements the Group have considered require new data items, and would therefore constitute an Alternative:
  - ◆ Historical reference data on the daily volumes graph;
  - ◆ A more robust mechanism for publishing system frequency data.

# P220 Process

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- ◆ The Modification Group has identified improvements to the ‘straw man’ solution;
- ◆ Some customer representatives have attended the Modification Group and helped improve the solution;
- ◆ Again we would welcome responses from DSWG members – without them it’s hard for the Modification Group and Panel to gauge whether the benefits are real.

# P220 Consultation

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- ◆ Any interested person or company can respond to the consultation
  - ◆ You do not need to be involved in the BSC Group or BSC Panel processes in general;
- ◆ Consultation responses particularly with customers expressing their view of any likely benefits are welcome;
  - ◆ The group already has a view of implementation costs of approximately £1m.
- ◆ The deadline is 12:00 noon on Monday 21 January 2008 to [modification.consultations@elexon.co.uk](mailto:modification.consultations@elexon.co.uk)
- ◆ A proforma of questions for responding has been produced: [http://www.elexon.co.uk/documents/Change\\_and\\_Implementation/modifications/220/P220ACProforma10.doc](http://www.elexon.co.uk/documents/Change_and_Implementation/modifications/220/P220ACProforma10.doc)

# P220 Post Consultation Process

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- ◆ The BSC group looking at this proposal will take into account consultation views received and make a recommendation to the BSC Panel;
  - ◆ The Initial BSC group view was **NOT** to implement P220.
  - ◆ This was largely based upon the initial cost vs benefit view.
- ◆ The BSC Panel then makes a decision and recommends to Ofgem who ultimately decide if P220 is implemented or not;
  - ◆ For implementation in Nov 2008, Ofgem needs to make a decision by 3<sup>rd</sup> April
  - ◆ The next implementation date after Nov 2008 is June 2009.

# Summary

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- ◆ Developments to electricity operational information provision are at a key consultation stage;
- ◆ Customers, as well as other stakeholders can get involved and respond to the BSC consultation;
  - ◆ Our view is that the main benefits are likely to be for customers and smaller market players.
- ◆ National Grid continues to be open to further engagement with customers on information transparency.

# Weblinks for more information

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- ◆ Our electricity market information website section:

<http://www.nationalgrid.com/uk/Electricity/Data/electricitymarketinfo/>

- ◆ ELEXON's website where you can see the P220 "live consultation" mentioned on the front page and access the P220 consultation proforma:

<http://www.elexon.co.uk/>

- ◆ BMRS - the primary site to find operational information for electricity where P220 would be implemented if approved:

<http://www.bmreports.com/>