

Summary of Meeting and Actions

Meeting Name	Black Start Working Group (Joint Workshop with Elexon)
Meeting No.	3
Date of Meeting	Wednesday, 13 th June 2007
Time	10:00am – 2:30pm
Venue	C2-3, National Grid House, Warwick

This note outlines the key action points from the joint workshop with Black Start Working Group and Elexon.

1) Apologies for Absence

Apologies were received from Steve Argent (Ofgem), Nilton Green (National Grid) and Steve Saunders (EDF Energy).

2) Black Start Principles and Long Shadow Exercise

The group received an overview on the principles/assumptions on which National Grid formulates its Black Start process/procedures.

The group noted the presentation on the Long Shadow Exercise which would be focusing on the consequences of a Black Start event. The group were informed that the Long Shadow Exercise was a Tier 1 Government exercise scheduled to take place on 4th/5th July 2007, involving a wider range of governance agencies and other relevant parties.

It was noted that the interaction between Electricity and Gas during a Black Start was being reviewed by an E3C workstream.

3) Review of Discussions and Actions

The group discussed the interaction between the Grid Code and BSC provisions relating to Black Start.

- The applicable section of the BSC is Section G (Contingencies), Paragraph 3
- The applicable section of the Grid Code is OC9, Paragraph 9.4

Informing Relevant Parties

National Grid is obligated to inform Users (as defined by OC9 of the Grid Code) of a Black Start. The current definition of Users does not cover Elexon/BSC Panel, National Grid to review the clause, with a view of placing an obligation on National Grid to inform Elexon/BSC Panel.

Action: National Grid

Elexon will confirm the relevant people (with contact information), which National Grid could contact in the event of a Black Start. This information will be reflected in the next edition of the Emergency Aid Directory.

Action: Elexon & National Grid

It was noted that Elexon is a 9 to 5 operation which does not have any backup facilities e.g. control telephony for their systems/building. This may cause difficulties when trying to communicate to Elexon during a Black Start and for Elexon informing their Users of a commencement of the event.

Elexon informed the group that the majority of actions completed by Elexon/BSC Panel in a Black Start scenario could be completed post event.

Black Start and the Market

It was noted that in the event of a Black Start (either Total or Partial) the market would be suspended. It was noted that there would be no differences in timing between National Grid and BSC Panel regarding the commencement of a Black Start. All trading parties

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would not be exposed to any imbalanced pricing. National Grid would instruct all generators (including non Black Start) via Emergency Instructions; generators would be paid single cash out price, for any energy generated during the Black Start. Any additional expenses incurred will be processed under the claim process (Section G, paragraph 3.3) after the event.

It was noted that in order to receive compensation, the User must have received a “black start instruction” from National Grid pursuant to OC9.4.7.4.

The group discussed the possibility that certain Generators could be asked to operate using alternative fuel sources. It was noted that any compensation claims for this expenditure would have to be made under a separate Fuel Security claims process.

The group was informed that the electronic system EDL/EDT may not be operational during a Black Start. It was noted that National Grid may be able to input information but other parties may not be able to receive the information. Therefore the default method for instructions during a black start would be by control telephony.

The last paragraph of Grid Code provision OC9.4.7(a) concerns the form of Bid/Offer Acceptances that would be given to non Black Start stations. This paragraph is incongruous with the fact that the market would actually be suspended, and National Grid would require to issue emergency instructions by control telephony to both black start and non-black start power stations. National Grid to review the clause, with the view of amending the provision such that it reflects what would happen during a Black Start.

Action: National Grid

Conclusion of Black Start Event

It was noted that there may be differences between National Grid and the BSC Panel regarding the definition and timing of “back to normal” following a Black Start event. It was considered that National Grid would make its assessment of normal for the purposes of OC9.4.7.9 against technical/IS constraints e.g. when an intact transmission system is re-established and electronic despatch can be resumed. National Grid will review whether the Grid Code should clarify the technical considerations which it would take into account when concluding a Black Start.

Action: National Grid

It was noted that methods such as demand control (OC6) and rota disconnection (Electricity Supply Emergency Code) may still be required to meet peak demand. National Grid would wish to make use of the technical aspects of EDT/EDL to assist with the dispatching of generation. It was postulated whether a pseudo pricing number may have to be entered into the system.

BSC Panel would make its assessment, for the purposes of BSC G3.1.2(c), of when the market should resume, subsequent to National Grid’s earlier determination of normal operation. It was considered that the BSC Panel assessment would be based upon commercial considerations. A notification period would be required from National Grid concluding a Black Start and the market reconvening, as illustrated by figure 1.

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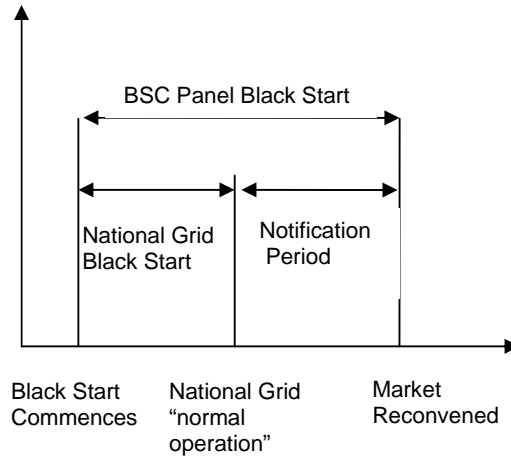


Figure 1

This would be to ensure that there was sufficient time to inform all BSC Trading Parties and for the contractual positions to be re-established prior to the start of trading. It was considered likely by Elexon that the market would not be reconvened whilst there remained system constraints affecting supply/demand. The group discussed whether an extended gate closure would be required for the recommencement of the market; National Grid indicated that a normal gate closure would be sufficient.

It was noted that Electricity Supply Emergency Code did not form part of Section G, Paragraph 3 of the BSC. Elexon to review Section G, Paragraph 4 (Civil Emergencies and Fuel Security Period) of the BSC and indicate whether it is inclusive of the Electricity Supply Code.

Action: Elexon

4) Next Meeting (of the main GCRP Black Start Working Group)

The meeting scheduled for 23rd May 2007 was cancelled and the next meeting of the Working Group will take place on Wednesday, 27th June 2007 at National Grid House, Warwick commencing at 10am.

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Appendix 1 – Workshop Attendance

Members Present:

Jonny Hosford	JH	Chairman
Lilian Macleod	LM	Secretary
David Phillips	DP	National Grid
Paul Robinson	PR	National Grid
Raihana Bramiah	RB	Ofgem
Kathryn Coffin	KC	Elexon
Drew McGregor	DM	Elexon
Claire Maxim	CM	E.ON UK

Apologies:

Steve Argent	Ofgem
Nilton Green	National Grid
Steve Saunders	EDF Energy