

BM System Replacement – 2nd Industry Consultation



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Presentation Outline

- Background
 - 2008 industry consultation
 - Contract award for replacement of BM system
- Key elements of consultation
 - External system interfaces
 - Modelling of BM Units
 - Ongoing industry engagement
- How to respond to consultation

Background

- 2008 industry consultation
 - Outlined reasons for BM replacement e.g. renewables
 - Fed industry views into new system requirements
- Contract award for replacement of BM system
 - Rigorous assessment of vendor offerings
 - Contract awarded to ABB
 - Go-live towards end of 2013

Industry input needed for the design phase

External System Interfaces

- No change to EDT / EDL at go-live
 - Minimal impact on the industry
- Availability of new industry interfaces
 - Web-browser forms-based data submission
 - Web-browser based XML file upload/download capability
 - Web-services based computer-to-computer data exchanges
- Electronic data submission (reduced fax submissions)

Transition to new interfaces some time after go-live

BM Unit Modelling

- Current approach to CCGT modelling
 - A single BM Unit, and fax-based submissions
- Options in the new system
 - **Single** unit modelling
 - **Pseudo** GTs* share ST* contribution
 - **Configuration** - each combination of GTs and ST modelled; only one combination can operate at any one time
- Other improvements
 - Up to 10 Run-up / Run-down Rates, and time-based SEL/SIL

A range of approaches for modelling of BM Units

* Gas Turbines and Steam Turbine respectively

Future Industry Engagement

- Ongoing need for industry involvement
 - E.g. during design, development and testing
- Communication tools e.g.
 - Consultation documents
 - One-to-one meetings
 - Group seminars
 - Dedicated project webpage
 - Information bulletins
 - Other

Industry views needed on industry communications

How to Respond to Consultation

- Consultation and response proforma available on <http://www.nationalgrid.com/uk/Electricity/Balancing/consultations/>
- Responses requested by 11 November 2010

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