System Operator ACS Database Project

SO Workshop - November 2008

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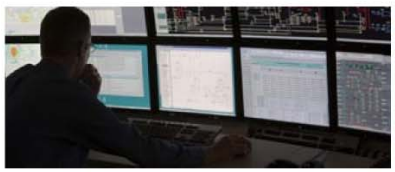
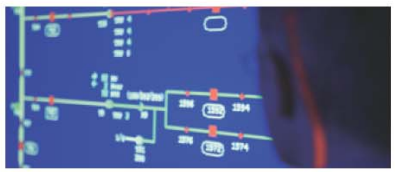
TRANSPOWER





SYSTEM OPERATOR

Managing Asset Capability and related information

- Asset owners provide information to System Operator under the EGRs e.g.
  - Asset capability information (ACS)
  - Manual load shedding
- Other parties need to access the information
  - Transpower as Grid Owner
  - Electricity Commission (Centralised Data Set)
- This information is managed in a manual form (e.g. spreadsheets) through largely manual processes
- System Operator would like to automate these processes
- Make it easier for all parties

Example: Generator ACS

- AO information in spreadsheet form
- Generator AO – contents of ACS determined by class
- Communication by phone/email
- Support documentation/reports/test data held separately
- Provide some information to Electricity Commission on CDs.

Issues

- Tracking of changes in ACS data can be difficult
- Managing storage and linking of supporting documentation
- Tracking communications between SO and AO
- No “one stop shop” for data referencing
- No link to dispensations for a given station or unit

Looking for a solution

- Concept
  - One repository for all AO/SO data
  - Easily accessible by the proper parties
  - Secure and Confidential
  - Has all current information and history of updates
- Trial – proof of concept
  - Internet solution – secure website
  - Working with RedSpider
  - Considering functionality

ACS database – potential functionality

- Automatic notification of changes to ACS
- Users have “watch lists” and “dashboards”
- Advanced search and downloading functions
- Reporting functionality
- Link to Dispensation Register
- Link to GXP paralleling register

Coming Up

- Initial DB will be for Generator ACS information
- Distributor and Grid Owner to come at later stage
- Requirements document underway
- Workshop for Generator AO – early December
- Email contact address: Gerard.Demler@transpower.co.nz

Questions?