

**Critical Facilities Round Table
Think Tank Committee
Visualization-monitoring/measuring concepts
Meeting of February 6, 2009**

INTERESTED PARTICIPANTS

1. Rick Hofstetter Square D. Company [(605) 504-5410
2. Finn Schenck Integrated Building Solutions [(510) 703-0071]
3. Daniel Thompson Square D. Company [(925) 698-0790]
4. Charles H. Krieger [(650) 347-3880 Electrical Engineer
5. Chet Davis Easy Power (503) 655-5059 ext 21

CONCEPTS

- Providing an 'on screen' real time graphic display showing total electrical flow
[alternate mechanical] diagrams denoting all components, feeders/ampacities and loads.of the total electrical system
- As part of the display following will be noted in 'real time'
 1. Status of each device
 2. Current on each feeder and protective device [including maximum setting]
 3. Overcurrent setting of each protective device
 4. Manual inputs to system [for training]
 - a. Different loads (overloads) for each feeder and connected device
 - b. Faulting at any point on the total system
 - c. Automatic indication for corrective/by-passing operation
- Options under control of operator and Trainer
 1. TRAINING system will automatically denote [operator selected] overload, fault, etc. only, without affecting live system and will apply corrective operation on screen
 2. MANUAL OPERATION Operator will be able to change system configuration in real time, to apply corrective measures
 3. AUTOMATIC OPERATION Corrective action will automatically take place after predetermined elapsed time
- It is contemplated that same thing can be done for mechanical system
- ORGANIZATION OF PRESENTATION
