

System Analysis and Modeling Interest Group

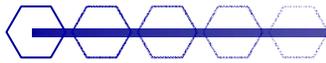
Dennis Holstein, Chairman
Jay Wack, Admin (secretary)

June 7, 2006

Scope and objectives

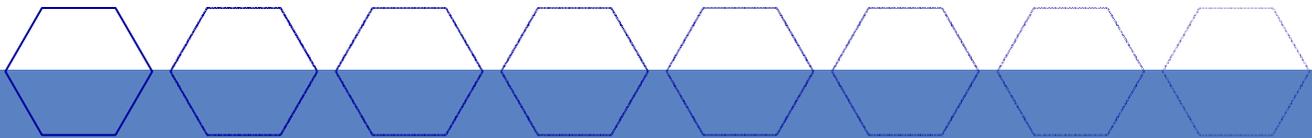
- **Develop case studies for the enterprise as a whole**
 - Define the common cyber-security requirements
 - Extend the company security policy across domains and organizational units within the enterprise
- **Identify and characterize logical domains that form the security boundaries to be protected from cyber attack**
 - Describe the level of security needed to effectively mitigate the most probable attacks
 - Develop organizational, functional and object models to support system-level requirements analysis
 - Suggested topics to get started
 - Overlapping of organizational responsibilities
 - Role-based access control to restrict access to and use of data - to the level of any named object
 - DMZs where needed
 - Manage the cyber-security systems throughout the enterprise

How are we doing this



- 1. Small task groups perform an initial analysis and present a technical note for peer review by SA&M members**
- 2. After consensus has been reached within SA&M, a technical note will be posted on the PCSF Web site for public review**
- 3. Respond to comments and publish a technical brochure**
 - Findings (conclusions and recommendations)
 - Include technical analysis supporting findings

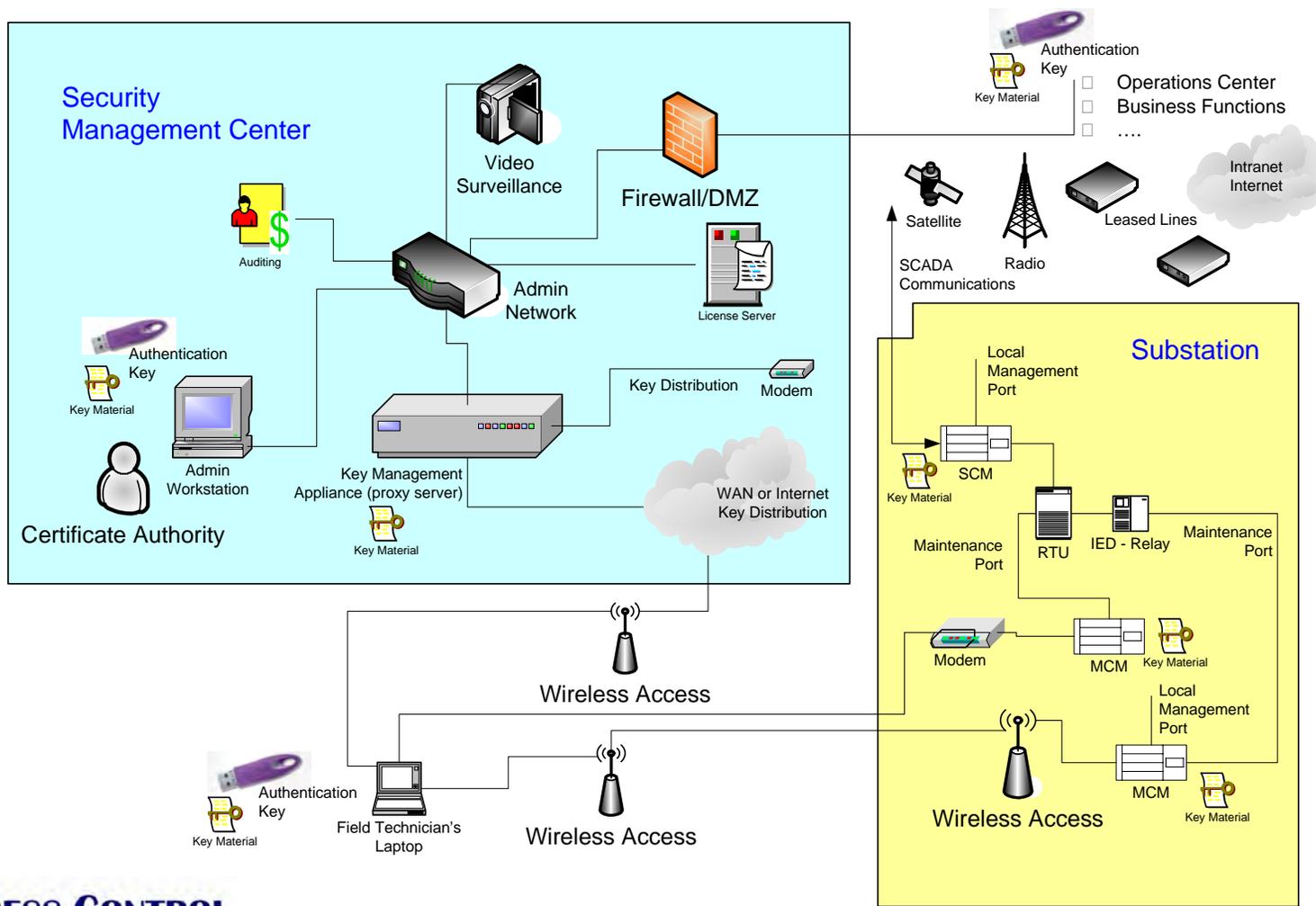




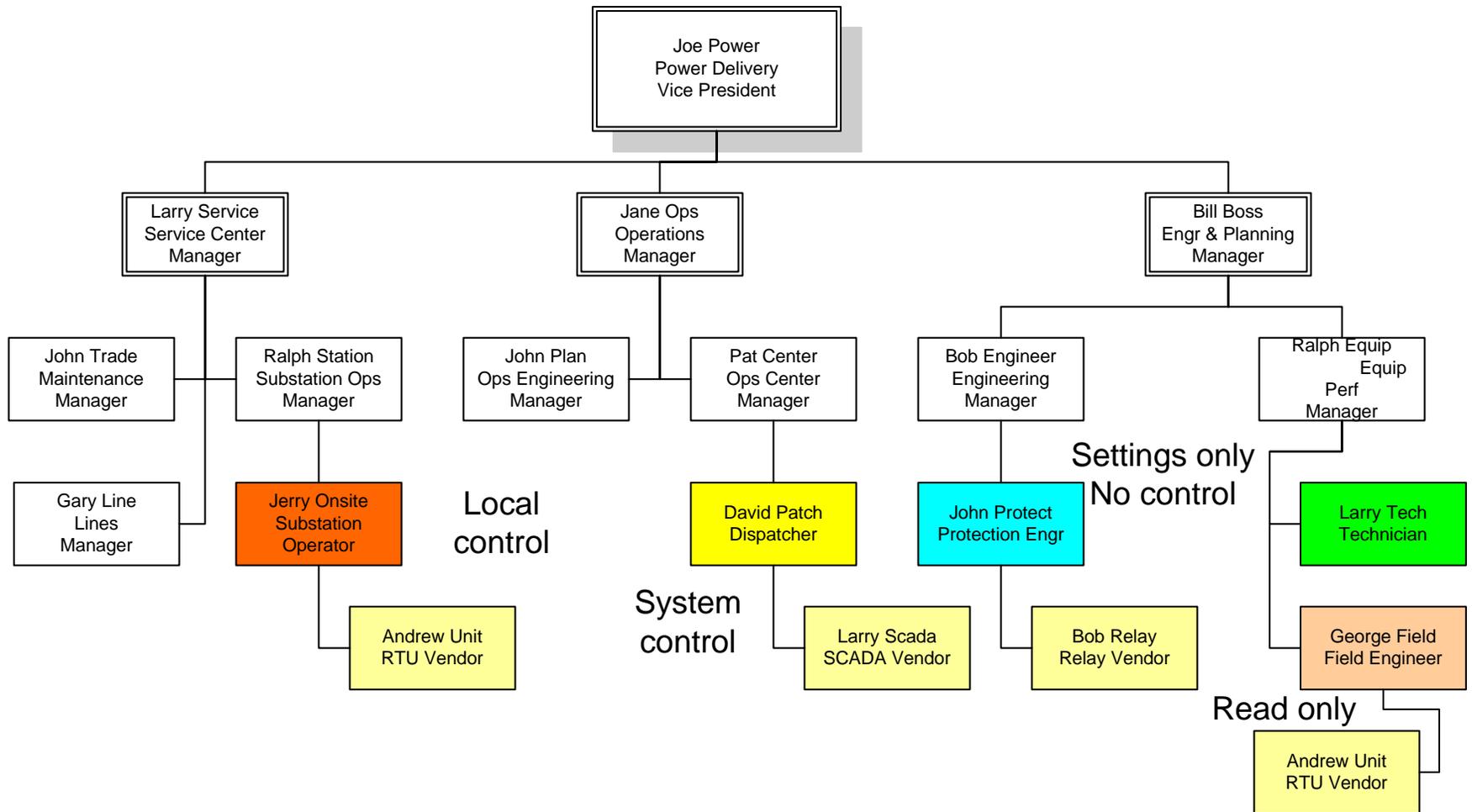
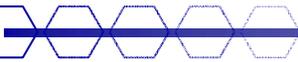
How best to manage access and use privileges

An example to highlight the good and bad news

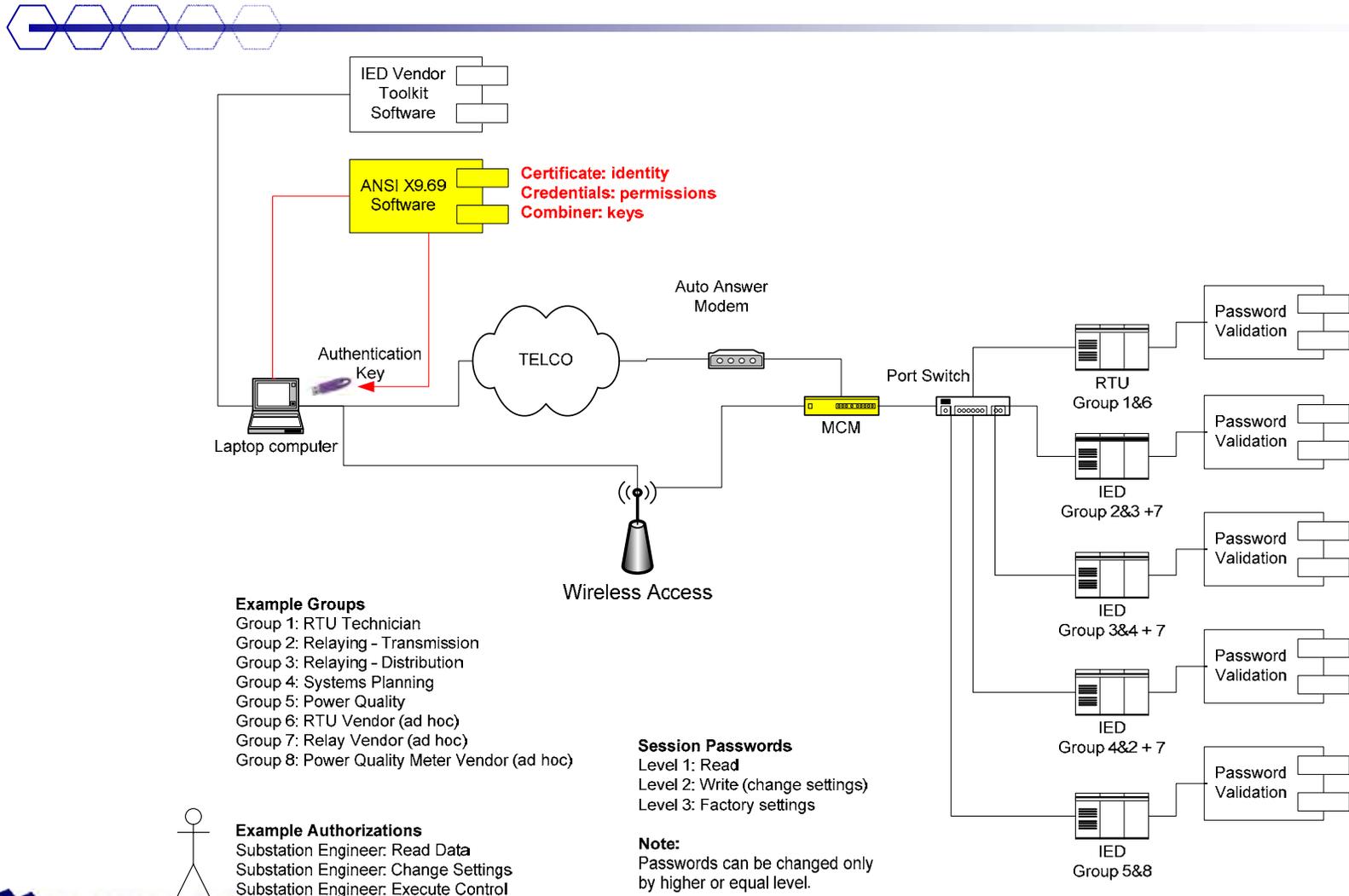
An effective security management scheme

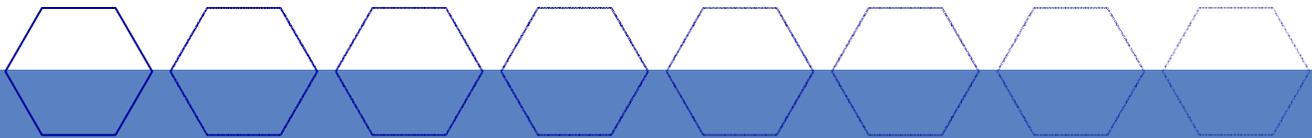


The complexity of electric power delivery operations



Constraints imposed by existing infrastructure

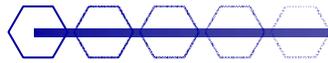




What to do about outsourcing

Trusted third party services

This is a work in progress – we need your help



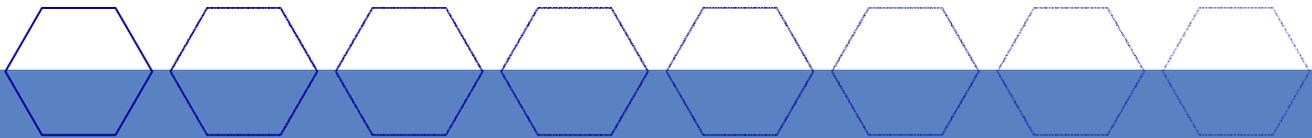
■ Critical issues

- How to manage revocation lists
- Simple schemes are not scalable
- Hierarchical schemes for complex close systems are scalable
- Federated schemes for complex open systems are not well defined

■ Your participation is needed

- Key management panel discussion
- System Analysis and Modeling Interest Group meeting
- Several “Live Meetings” planned





Thank you for your attention

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