

How DO You Spell Reliability?

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Who's Responsible Anyway?

- Areas Control
- ISO's
- Security Coordinators

Using Criteria Established by NERC,
and Regional Reliability Councils

Control Areas

- Responsible for Balancing Load and Generation - I.E. Frequency control
- Responsible for Interchange Scheduling
- Security Monitoring - own area

ISO's

- Key Word is "System"
- Monitoring of Conditions
- Remedial Operations
- Facilitation of Marketplace - coordination of transactions and schedules
- Day ahead coordination of transactions and interchange schedules
- Balances Load and generation, within reliability criteria
- May also be a Control Area -

ISO's - (cont.)

- Strong Central Dispatch is needed to insure that load is balanced, particularly in presence of transmission constraints

It is not possible to Operate the Transmission system without significant control of generation resources

Security Coordinators

- Purpose is to address interarea, inter-regional reliability concerns
- Unscheduled Power Flows
- Coordinates Line Loading Relief, Emergency Operations Procedures

How Does This fit in With Oasis?

- Oasis is a tool to reserve transmission room
- Acquiring transmission service does not guarantee a transaction will occur
- Control Areas provide transmission service within Open access tariff rules
- ISO's implement the transmission providers rules, in conformance with NERC,FERC, etc standards

How does it Fit? (2)

- Security Coordinators handle boundary/inter regional impacts

Three Cops in the Same Intersection?

- It's more like NYPD Blue -
- The cop in trouble (control area) calls for backup
- the ISO responds , takes action
- The Security Coordinator Stands guard outside.
- The Police review Board (FERC,NERC) makes sure everything was handled correctly