RIC 2004 – Grid Stability
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Transmission Planning & Operations

Jeff Lyash
Senior Vice President-Energy Delivery
Progress Energy

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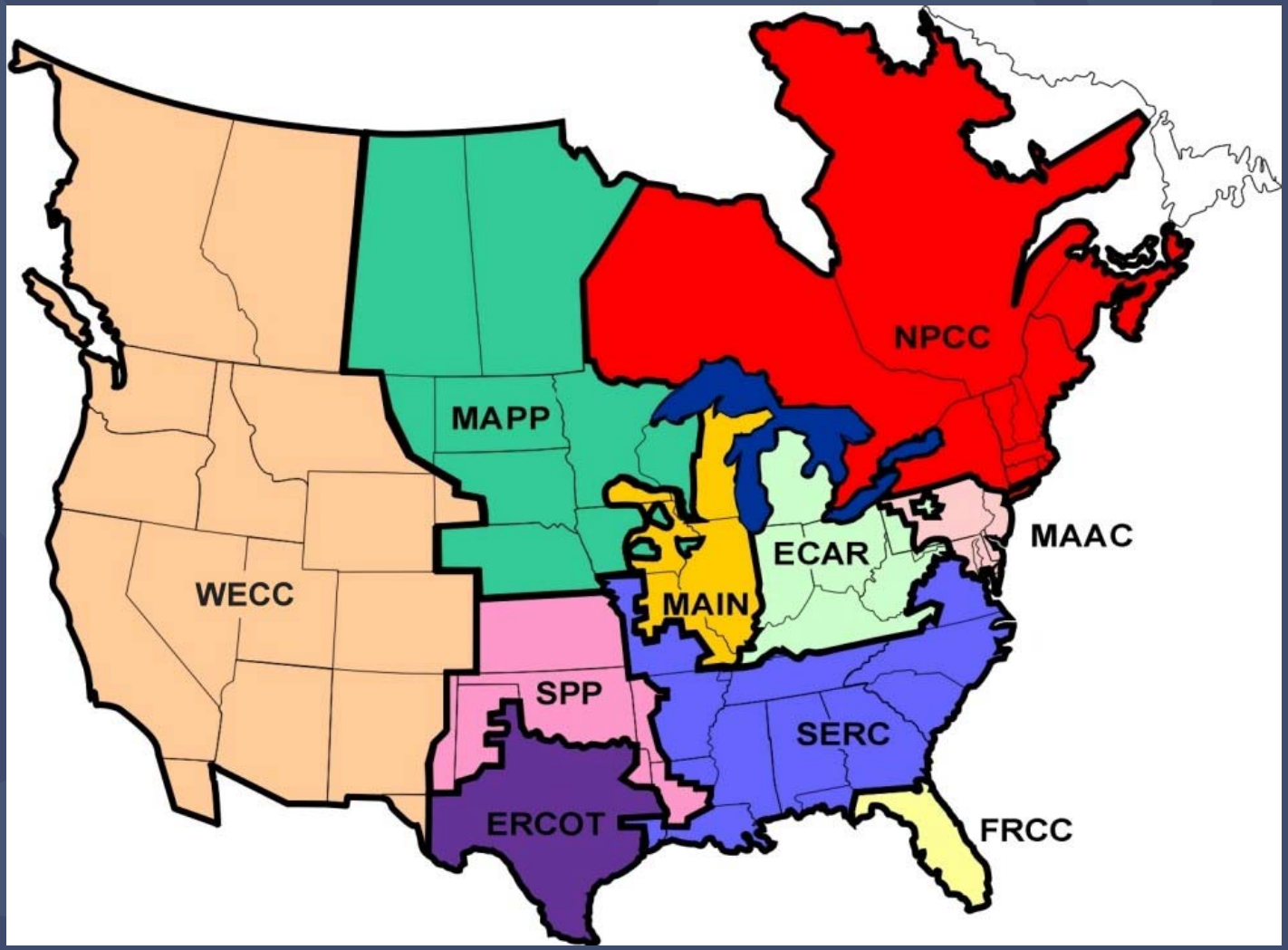
NERC Regions



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Seven Key Concepts "The What"

- Balance supply and demand
- Balance reactive power supply/demand
- Monitor flows to prevent overloads
- Keep the system stable
- Keep the system reliable, even if a contingency occurs
- Plan, design and maintain the system to operate reliably
- Prepare for emergencies

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Six Key Principles "The How"

- Ensure that reliability is the primary objective
- Design, operate and maintain the system as intended
- Establish and reinforce sound operating practices
- Establish clear lines of authority, accountability, and communications
- Train system operators to respond properly in normal and emergency conditions
- Implement an aggressive evaluation and lessons learned program

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Thoughts on Future Steps

- Move cautiously through restructuring - using the system in a manner for which it was not designed requires great care
- Establish enforceable high level design and operating standards that accommodate regional differences
- Strengthen audit and compliance programs – make noncompliance apparent
- Move Operator Training Programs to the next level
- Implement a robust operating experience review program – learn from success as well as failure

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