



# Update on Grid Initiatives webOASIS

**NRR/DE/EEEE PRESENTATION  
FOR COMMISSIONER JACZKO**

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# Background on Grid Initiatives

- Callaway Event on August 11, 1999
- Blackout on August 14, 2003
- Temporary Instructions (TI) issued in April of 2004, May of 2005, and March 2006
- Generic Letter was issued on February 1, 2006



## GL 2006-02

- Developed and Issued Generic Letter (GL) 2006-02, “Grid Reliability and the Impact on Plant Risk and the Operability of Offsite Power”
  - Held public meeting on January 9-10, 2006
  - Issued GL on February 1, 2006
  - Received responses by March 3, 2006
  - Held public meeting on the preliminary results from GL on June 22, 2006



## GL 2006-02 (continued)

GL asked questions in four areas:

1. Communication protocols between nuclear power plant (NPP) and grid
2. Grid analysis tools used to confirm adequacy of OSP
3. OSP restoration procedures, and
4. SBO analysis on LOOP frequency



## GL 2006-02 (continued)

Preliminary results identified Eight concerns:

1. Establishing OSP voltage limits
2. Verification of grid tool predicted post-trip voltage
3. Compensatory measures on loss of tool to predict post-trip voltages
4. Plants to demonstrate any Single contingency of the OSP



## GL 2006-02 (continued)

### Preliminary Concerns (continued)

5. LOCA with delayed LOOP
6. Seasonal variation to grid stress
7. Communication during Grid Risk-Sensitive Maintenance
8. Review of SBO analysis



# Summary of Grid Initiatives

- Protocols are in place for:
  - Operability Assessment
  - MR Interface Planning
  - Analysis for trip of the unit (contingency)
- Grid-risk sensitive equipment considered in the maintenance rule evaluations
- OSP restoration priority acknowledged



# RESOLUTION OPTIONS

- **ISSUE RAIs**
  - Switchyard minimum voltage limits
  - SBO analysis
  - Offsite power restoration priority (1 plant)
  
- **REGIONAL FOLLOWUP**
  - Comp measures for loss of ability to predict post-trip voltage
  - Definition of single-contingency
  
- **EVALUATE FROM REGULATORY PERSPECTIVE**
  - Seasonal variation & Procedures to inform grid operator during maintenance
  - Validation of Predicted Post-trip Voltage
  
- **PLANTS REQUESTING EXEMPTION FROM LOOP/LOCA (50.46a)**
  - Double-sequencing





# webOASIS

Open Access Same Time Information Systems

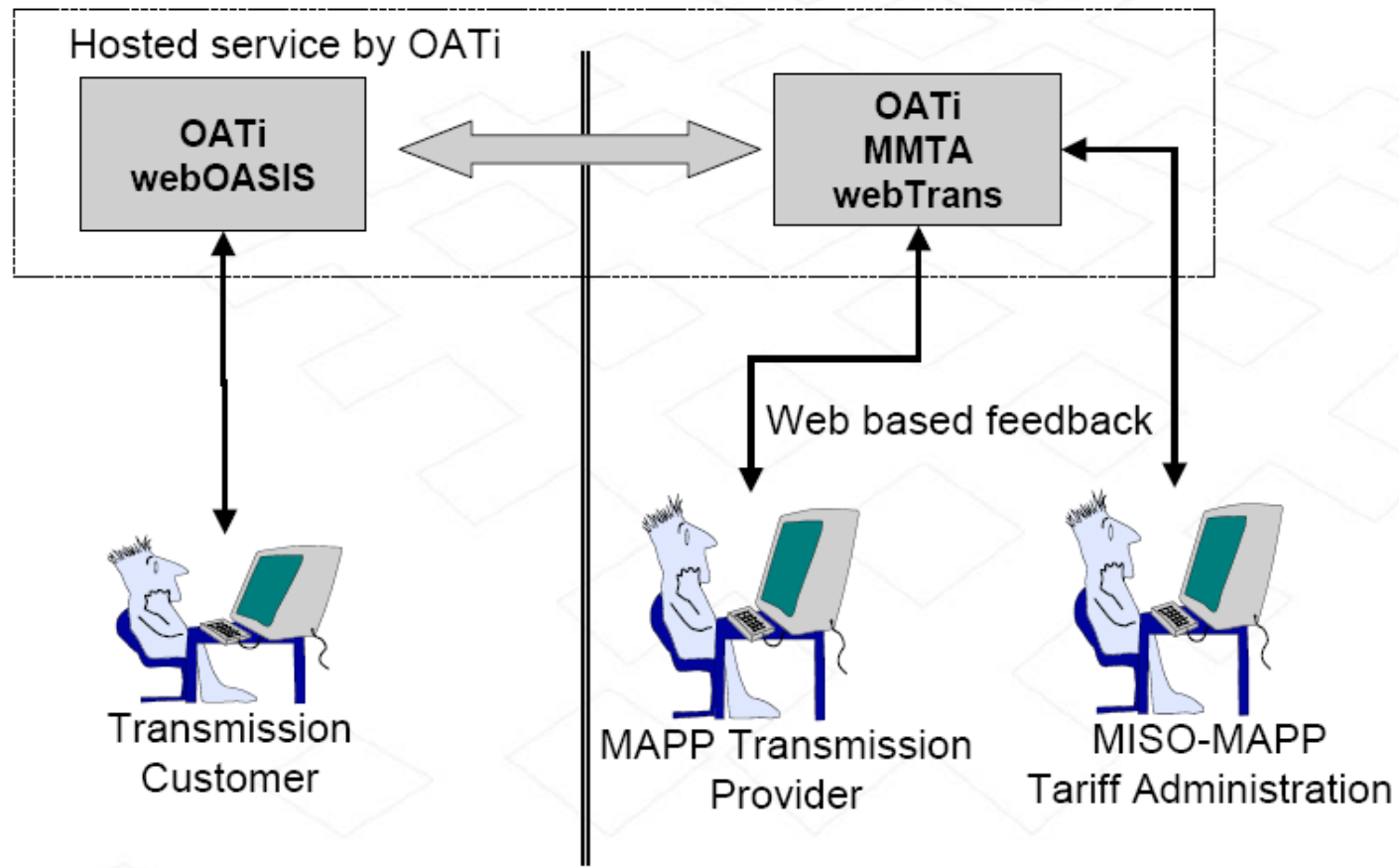
## Purpose of OASIS

- Open access non-discriminatory transmission service requires that information about the transmission system must be made available to all transmission customers at the same time.
- Public utilities must make available to others the same transmission information that is available to their own employees and that is pertinent to decisions they make involving the sale or purchase of electricity.
- OASIS will allow transmission customers to determine the availability of transmission capacity and will help ensure that public utilities do not use their ownership, operation, or control of transmission to deny access unfairly.



# How OASIS Works

example of MAPP Region





# Summary of OASIS

- OASIS is an excellent tool for ensuring that all potential customers of open access transmission service have access to the information that will enable them to obtain transmission service on a non-discriminatory basis.
- Transmission operators can use OASIS as supplemental information to help stabilize the grid.
- Any other possible uses for similar information would interfere with NERC/FERC standards, policies, and procedures.



# OASIS Demonstration

