SMD2 Readiness

Business Issues Committee

Operating Committee

September 2004

For Discussion Purposes Only

SMD2 Deployment

↘ **Scheduled Deployment Date of December 1**

↘ **Detailed Readiness Plan Developed**

- *Checklists of Major Activities*
- *Additional Market Trial Exercise Included*

SMD2 Readiness

- **Testing**
- **Training**
- **Departmental Procedures**
- **Detailed Cut-over Planning**
  - *Fall-back Contingency*
  - *Implementation Requirements*
    - **Parallel Operations**
    - **Price Reservations**

SMD2 Testing Objectives

- **Validate functional operation / performance**

- **Demonstrate integrated Bid-to-Bill capabilities**

- **Ensure Marketplace interfaces are operational**

- **Confirm accuracy of market results**

Market Trial Exercise Status

↘ **Market Trial Exercise 6**

  - *Scheduled for week of September 20*

  - *LECG analysis by October 11*

↘ **Market Trial Exercise 7**

  - *Scheduled for mid-October*

  - *Success driven by full participation by the Marketplace*

  - *LECG analysis by end of October*

Market Readiness

↘ **Detailed Fall-back Plan**

↘ **Satisfactory Assessment of Market Trials/Simulation**

↘ **Departmental Readiness in the Following Functional Areas:**

- *Market Operations*
- *Market Monitoring & Performance*
- *Power System Operations*
- *Customer Settlements*

↘ **Consultation with MPs prior to FERC Notification**

↘ **LECG/Patton Assessment**

↘ **Final Signoff**

Market Operations

- ✓ **Testing - SCUC/ RTS**
  - ✓ *Unit Commitment*
  - ✓ *Network Security Analysis*
  - ✓ *SCUC Multi-Pass Operations*
  - ✓ *Automated Mitigation Procedures*
  - ✓ *Data Interfaces/Processing*
  - ✓ *Special Market Functions*
- ✓ **Procedures**
  - ✓ *DAM Administration Procedures*
  - ✓ *Network Model Maintenance Procedures*

- ✓ **Network Model Database Verification**
  - ✓ *Validation of legacy conversion to SMD*
  - ✓ *Operational review of SMD network model*
- ✓ **State Estimator Commissioning**
- ✓ **DAM/RTM Load Forecaster Operations**
- ✓ **Transmission Outage Reporting**
- ✓ **Special Operations Monitoring Programs**

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Power System Operations

✓ **Testing**

  ✓ *Validate Program Results, such as Contingency Analysis, RTC/RTD/CAM functions, etc.*

  ✓ *Verify Applications: Metering/One-line, Displays, Big Board, Alarms*

  ✓ *Verify Identified Problems Corrected*

  ✓ *Ensure Overall System Performance*

✓ **Procedures**

✓ **Training**

  ✓ *Bid-to-Dispatch Basepoints*

  ✓ *Interaction with MIS and Ranger*

  ✓ *Two Weeks Training on Simulator for each Operator,*

  ✓ *Detailed Cut-Over Plan from SCD to SMD2*

Customer Settlements

✓ **Testing**
- ✓ *Over 100 Scenario Tests to Ensure SMD2 Settlement Rule Logic is Tested*
- ✓ *Testing to Support Re-Design for Legacy Settlements (e.g. Group Unit Logic Changes)*
- ✓ *Market Applications: Consolidated Invoice, Cash & Transmission Service Reconciliations, Data Warehouse, Advisory Settlement Statements*

✓ **Procedures**
- ✓ *Audit Processes*

✓ **Training**
- ✓ *SMD2 and Legacy Changes*

✓ **Audit Tool and Process Checks**
- ✓ *SMD2 and Legacy Changes*

✓ **Accounting & Billing Manual**

Next Steps

- ↘ **Committees**
  - ▪ *MSWG*
    - ◆ **Finalize Fallback Plans & Criteria for Cut-over Day**
    - ◆ **Address MP issues list items**
    - ◆ **Review of LECG Market Trial and Simulation Analysis**
  - ▪ *BAWG*
    - ◆ **Finalize Fallback Plans & Criteria for Cut-over Day**
    - ◆ **Monitor Market Trial Billing Results**
    - ◆ **Discuss SMD2 Billing Readiness**
  - ▪ *CDAS*
    - ◆ **Review ICCP data transfer and accuracy**
    - ◆ **Review State Estimator output**
  - ▪ *SOAS*
    - ◆ **Monitor NYISO / TO Operator training completion**
  - ▪ *MC*
    - ◆ **Discussion to review status of overall readiness and intent to "go-live"**
- ↘ **NYISO**
  - ▪ *Continue NYISO Testing & Training*
  - ▪ *Departmental Readiness "Sign-off"*
  - ▪ *Conduct Market Trial Exercises 6 and 7*
  - ▪ *Complete LECG Market Trials Analysis*
  - ▪ *Confirmation from Independent Market Advisor*

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