



SMD2 Cut-over and Contingency

**Market Structures
Working Group
August 2004**

For Discussion Purposes Only

SMD2 Readiness

➤ Testing

- *ABB, NYISO and Market Participant*

➤ Training

- *NYISO Power System Operations, Other NYISO Staff, and Market Participant*

➤ Department Processes and Procedures

➤ Detailed Cut-over Planning

- *Fail-over contingency*

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SMD2 Cut-over

- **Reduce Reliability Risk**
 - *Final system stability checks*
- **Minimize Market Impact**
 - *Market outage duration*
- **Maximize Ability to Perform Contingency**
 - *Fail-back options decrease over time*
- **Facilitate Market Participant Operations**
 - *System data access availability / mechanisms*

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SMD2 Parallel Operation

- **Run SMD2 system in parallel with legacy system prior to “Go Live”**
 - *Permit final departmental checklist validation*
 - *Allow smooth market transition at cut-over; reduced down time*
 - *Ensure market data consistency*
- **Run legacy system in parallel following cut-over**
 - *Maximize opportunity for fail-back*

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Parallel Operation Impact

- **Data entry required in multiple systems**
 - *Legacy MIS and SMD2*
 - *Risk of inadvertent data entry in parallel system*
- **Certain administrative changes will be “locked out”**
 - *Administrative pages, static data*
 - *Customer Relations to coordinate, perform data changes*

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System Fail-back Options

- **Duration of parallel operation will dictate timeframe allowed for “smooth” fail-back**
 - *Legacy systems continue to run*
 - *Transition back would require outage*
 - *Settlement rules will need to be determined for how to handle SMD2 billing should fail-back occur*
- **Fail-back is increasingly harder as time progresses**
 - *Data consistency between systems*

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Cut-over Considerations

➤ Settlements Cycle

- *Mid-month versus first of the month*

➤ Cut-over Day

- *Day of the week; work day versus weekend*
- *Relationship to special days (holidays, DST, etc.)*
- *Anticipated system conditions*

➤ Support Staff

- *NYISO Staff and Market Participants*

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Next Steps

- **Develop Detailed Steps / Plans**
- **Identify Criteria for Cut-over Day**
- **Test deployment processes; including contingency steps**
 - *Communicate details with Marketplace*

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