

NYISO SMD2 Executive Dashboard

Thursday, September 2, 2004

Summary:

The third of three (3) planned Real-time Market Trial exercises was successfully conducted on August 19th. The results achieved during each of the Market Trials were improved over the previous event. The market analysis presented by LECG for the third and fourth trials indicate generally accurate functioning of the markets with isolated software problems. The full results from Market Trial 5 have not been returned yet. All software defects reported during the trials are within acceptable bounds and are being addressed. In order to address Market Participant requests, and build market confidence, a sixth Market Trial is being conducted that will be based on the simulation of a previous day. For this exercise, the NYISO staff will be translating all the bids and offers into SMD2 format based on real bids submitted on that day. Once the results of that exercise are reviewed, a determination will be made as to the necessity of additional trials.

Task	Revised Status	%	June					July					August					September					October					November					December					Issues, (Updates)
			7	14	21	28	5	12	19	26	2	9	16	23	30	6	13	20	27	4	11	18	25	1	8	15	22	29	6	13	20	27	3					
Documentation Activities																																						
1	NYISO Review / Approval of RANGER SDDs	Yellow	45																																			
2	NYISO Review / Approval of User Manuals	Yellow	20																															Resource constraint.				
3	NYISO Review / Approval of "As Built" Docs	Not Started																																				
ABB Application Development																																						
4	NYISO Approval of Phase 2b FDS / STS	Green	✓																																			
5	ABB Phase 2b Development	Green	✓																																			
6	NYISO Approval of Phase 3 FDS / STS	Not Started																																				
7	ABB Phase 3 Development	Not Started																																				
NYISO Application Modifications																																						
8	MIS Development	Green	95																															Bug, Fix, and Retest.				
9	MIS / SRE and OOM Development	Yellow	60																																			
10	SMD BAS Development	Yellow	90																																			
11	BAS / Grouped Units Development	Red	90																																			
12	PTS Development	Yellow	90																																			
13	AMP Project Development	Green	95																																			
14	SMD-DAC Implementation	Yellow	85																																			
15	Web Posting Redesign	Green	90																																			
16	AutoSys Replacement / Job Scheduling	Green	70																															Testing making good progress.				
17	SMD Fail-over	Yellow	65																															Productive testing week.				
18	Reserve Pick-up Reporting	Green	95																																			
19	Scarcity Pricing for SMD	Red	40																															Testing gated by resources.				
20	Load Forecasting Tool	Yellow	90																																			
21	DSS SMD Modifications	Yellow	75																																			
Project Test Planning																																						
22	Develop detailed MT/SAT Test Procedures	Green	85																																			
23	Develop Cut-over Test Plans	Green	70																															Meetings cont., MSWG presentation.				
24	Approve Phase 2b FAT Plans	Green	✓																																			
25	Approve Phase 2b FAT Procedures	Green	80																																			
FAT / SAT Test Activities																																						
26	Phase 2a Performance / Stability Tests	Yellow	90																																			
27	Phase 1 and 2a SPR Verification	Yellow	50																															Significant recent progress.				
28	Phase 2b Pre-FAT / SIAT	Green	✓																																			
29	Phase 2b FAT / SAT	Green	50																																			
Infrastructure Activities																																						
30	Database / Model Updates	Yellow	80																																			
31	Hardware Additions / QA	Green	30																																			
32	Hardware Additions / Network	Yellow	85																																			
Market Trial Activities																																						
33	QA Integration Testing	Green	50																																			
34	Market Operations Testing	Yellow	40																																			
35	Real-time Customer Trial 1	Green	✓																																			
36	Real-time Customer Trial 2	Green	✓																																			
37	Real-time Customer Trial 3	Green	✓																																			
38	Real-time Market Simulation Trial	Not Started																																Sample day chosen.				
Cut-over / "Go Live" Activities																																						
39	Market Trial Review, MP Readiness	Not Started																																				
40	FERC Notification	Not Started																																				
41	Data Preparation	Not Started																																				
42	SMD2 Deployment	Not Started																																				
43	Availability Test Period	Not Started																																				

Status Legend: ■ On-track ■ Some issues ■ Critical ■ Not started ■ Delayed ■ Delayed w/some risk ■ Delayed and Critical ◆ Contract Milestone ◆ Payment Milestone

Project Risks

Risk	Prob.	Impact	Mitigation
1 Facilities Concerns: Computer Room Cooling / UPS	High	High	Detailed Assessment; Procure Additional Capacity
2 Software Configuration Management Problems	High	Medium	Initiation of Change Control Board
3 Inadequate Training for Ancillary Staff	High	Medium	Use Task Assignments to Maximize Cross-training
4 Inadequate Time for Dispatcher Training	Medium	High	Increased System Exposure Through FAT Exercises
5 Inadequate QA Test Capabilities (HW / Staff)	Medium	Medium	Detailed Planning of Environment and Tasks
6 RTS Design Unproven, Potential for Failure	Medium	High	Detailed Factory and Site Testing.

Recent Project Milestones

Completed	Missed
3rd Real-time Market Trial Completed.	
Performance Tests Conducted.	
Phase 2b FAT started.	

Hot Issues

Urgency	Description	Responsible	Due date
■	<p>Operations Training Schedule Risks</p> <p>The convergence of several factors (Acceptance testing, document review / approval, ISS system problems, etc.) have created a risk situation that the desired amount of Dispatcher training can be accomplished. Current problems with the ISS seem to be resolved, but the delays have resulted in a shortened preparation time for Dispatcher Training staff to plan training scenarios.</p> <p>Next Step: Training started. Project team and ABB continually tracking progress; will continue to monitor. Start-term game plan developed to close out remaining items by the end week 8/26. Training scheduled to re-start week of 8/30.</p>	Bob Miskanin Dick Mills	Ongoing
■	<p>Computer Room Facilities - Cooling and Power Supply</p> <p>The PCC computer room has inadequate UPS capacity to support the full compliment of SMD2 hardware. The rear computer room at the PCC also has inadequate capacity to provide cooling with any redundancy. The Wolf Road computer room UPS is at capacity, and the cooling system is already overloaded.</p> <p>Next Step: Temporary power solution provided for both Wolf Road and PCC. Setup and configuration of temporary power at PCC is gating new SMD hardware implementation.</p>	Rich Dewey Greg Goodrich Eric Adams	Ongoing
■			

Overall Project Status:

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Project Financial Status:

The NYISO is currently in negotiations with ABB over SMD2 contract Amendment 7. The subject of the current amendment is the addition of several minor change orders, and an adjustment to the payment and milestone schedule to reflect the early delivery of the features contained in Phase 2b. The ABB team presented the NYISO with a completion report for the achievement of the Phase 2b Development Complete milestone; that report is under review for approval.

ABB Development Status:

The milestone for contract Phase 2b is ahead of schedule by as much as four (4) weeks for most items. ABB delivered a software build at the end of August that contains all of the features specified in the current contract Phase 2b. Factory Acceptance Testing (FAT) is underway at the NYISO site to validate those features. The software performance test (rescheduled from Phase 2a) was conducted at the NYISO facility on August 25th with generally acceptable results. SPR resolution and validation is continuing with a good rate of success.

NYISO Development Status:

NYISO development activities continue to track with the ABB delivery cycle. A significant number of defects have been addressed and resolved in the Load Forecasting system, and some minor testing delays had been encountered with the PTS application due to integration problems with PI. The development deliverables for the Billing and Accounting System (BAS) continue to be high-risk as the team works to recover after earlier delays to establishing the testing environment, as well as the late integration of the Grouped Units software development. Web development continues to track according to the plan.

Project Integration Status:

Day Ahead and Real-time Market Trial exercises continue to proceed according to the published schedule. Defects encountered during the trials have been repaired during the off weeks between trial events. The number of overall defects, as well as the issues reported by Market Participants, are low relative to the magnitude of the effort. Continued, parallel efforts are ongoing on the part of Market Operations and Quality Assurance to validate the overall integrated operation of the new SMD2 system and related applications.

Other Project Information:

SMD2 Training for both employees and Market Participants has been ongoing. Attendance at these sessions has been high and feedback has been positive. A new set of customized training classes are starting to be developed for NYISO internal staff to focus on the changes between current system architectures and the new SMD2 systems.