

# NYISO SMD2 Executive Dashboard

Thursday, October 9, 2003

## Summary:

Factory Acceptance Testing (FAT) is in the 8th full week; all functional tracks are now active with the BMS tracks the only active structured tests. Re-test exercises have been performed for all other tracks. Pre-FAT acceptance of the BMS applications was formally approved, invoiced by ABB, and paid. Several parallel project efforts have been identified for NYISO deliverables, and will be tracked as separate projects. Design documents for Phase II deliverables are under review by NYISO staff, and are proceeding towards approval under a compressed schedule. Several project scope changes are under consideration by NYISO for Phase II enhancements.

Task	Status	%	July		August		September		October		November		December		January		Issues, (Updates)													
			7	14	21	28	4	11	18	25	1	8	15	22	29	6		13	20	27	3	10	17	24	1	8	15	22	29	5
<b>Documentation Activities</b>																														
1	NYISO Review / Approval of RANGER SDDs	Green	10															Re-scheduled to second quarter.												
2	NYISO Review / Approval of User Manuals	Not Started																												
<b>ABB Application Development (Phase 2)</b>																														
3	NYISO Review and Approval of FDS / STS	Yellow	40															Accelerated schedule possibly failing.												
4	ABB Build / Unit Test	Not Started																												
<b>NYISO Application Modifications</b>																														
5	Functional Requirement Development	Yellow	75																											
6	Technical Design	Yellow	50																											
7	MIS Development	Yellow	33															Focusing on Market Trial tasks.												
8	BAS Development	Yellow	33																											
9	RT Load Forecasting Development (RER)	Green	90																											
10	AMP Project Development	Yellow	25															Requirements not finalized.												
11	SMD-DAC Implementation	Green	20																											
12	Web Posting Redesign	Green	15																											
13	AutoSys Replacement	Green	10																											
14	ADI / SAR Design & Development	Green	50																											
<b>Project Hardware / Facility Activities</b>																														
15	Deliver / Accept Phase 1 HW & SW	Not Started																Cannot start until FAT completes.												
16	Dispatcher Training Room Construction	Yellow	40															Current plan will not meet training plan.												
17	Telecomm. / Networking Activities	Green	50																											
<b>EAI / Integration Activities</b>																														
18	Job Scheduling Design	Yellow	90																											
19	Job Scheduling Implementation	Not Started																												
20	EAI Environment Setup / Configuration	Green	90																											
<b>Project Test Planning</b>																														
21	Develop FAT (PI) Test Procedures	Green	99															System Performance remaining.												
22	Develop / Accept MT/SAT Test Plans	Green	75															Draft Market Trial plan created.												
23	Develop Cut-over Test Plans	Green	25															Strawman drafted.												
<b>Factory Acceptance Tests - Phase I</b>																														
24	SCADA Applications FAT	Green	95																											
25	EMS Applications FAT	Green	95																											
26	BMS Applications FAT	Red	55																											
27	CIM / DB Maintenance FAT	Yellow	90															Waiting for Integrated Tests.												
28	Simulator System (ISS) FAT	Green	90																											
29	Integrated Testing FAT	Not Started																Starting next week.												
30	Factory Acceptance Tests - Phase II	Not Started																												
31	Site Acceptance / Market Trials at NYISO	Not Started																												
<b>Legal / Tariff Activities</b>																														
32	Develop tariff language.	Yellow	90																											
33	Review rule changes with WGs / BIC	Green	95																											
34	Review tariff language with MSWG	Yellow	90																											
35	Obtain Management Committee Approval	Not Started																Likely will miss Nov. MC Meeting.												
36	Obtain Board Approval	Not Started																Target October 22nd BOD approval.												
37	File with FERC; receive approval	Not Started																Target November 3rd FERC filing.												

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 ABB HMI Development / Delivery at Risk	High	Medium	Tracking progress of other customers, early delivery.
2 Resource Conflicts with Other Projects	Low	Medium	Maintain Resource Limited Schedule
3 Scope Management Concerns	Medium	Medium	Utilize Design Implementation Task Force
4 Market Disruptions from Cutover Activities	Medium	Medium	Detailed Cutover Planning, Trials.
5 Construction Delays, NYISO Facilities	Medium	Low	Close project tracking, leveraging alternate sites.
6 RTS Design Unproven, Potential for Failure	Medium	High	Detailed Factory and Site Testing.

## Project Milestones

Completed	Missed
	FAT Complete

## Hot Issues

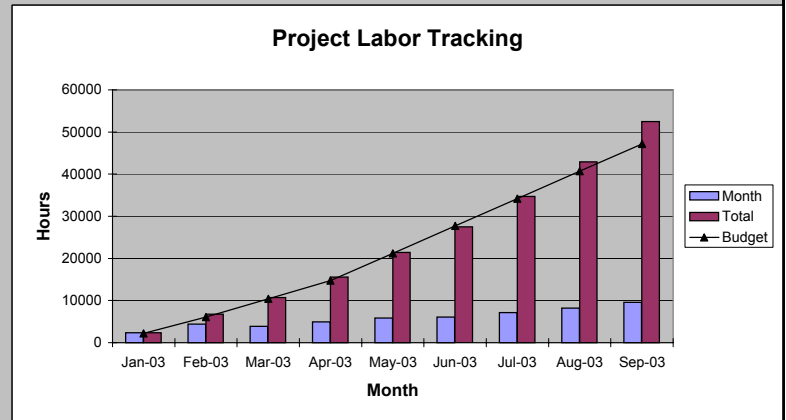
Urgency	Description	Responsible	Due date
■	<p><b>Phase II Resource Constraints</b> Design review processes for Phase II features are scheduled to take place in conjunction with Phase I Factory Acceptance Testing (FAT). There are resource conflicts between these tasks that need to be resolved to keep both phases moving forward. Both the design review processes and FAT exercises need to be done more efficiently and scheduled carefully.</p> <p><b>Next Step:</b> Schedule proposed to manage through constraint. STS documents starting to arrive. Continuing to track progress <b>NYISO has mostly held the aggressive schedule; ABB has experienced delays.</b></p>	Rich Dewey Dick Mills	Ongoing
■	<p><b>AMP Project Progress</b> The AMP project is critical path for the SMD2 deliverable. Recent design changes have increased work scope and prohibited the requirements from being finalized. Progress has been made towards Day Ahead AMP, but Real-time AMP is lagging. This continues to presents a risk to the SMD2 timeline. <b>Requirements documents produced for both Day Ahead and Real-time AMP; final review and approval pending.</b></p> <p><b>Next Step:</b> Commit resources to finalize requirements (and don't change them) and commit development resources to start making progress.</p>	Diane Peluso John Hickey Rich Dewey	10-Oct
■	<p><b>Operations Training / Testing Conflicts</b> Delays in FAT completion have created a schedule conflict between the testing activities and training plans. Operations staff is starting the training cycle, but are critical resources in verification of test results and bug fixing. No schedule slack exists in the training plan.</p> <p><b>Next Step:</b> Alternative plans are being reviewed, including using alternative resources to finish validation (QA, IT) and performing the retest exercises in New York.</p>	Bob Miskanin Dick Mills	15-Oct

**Financial Status:**

Project milestone 4a (End of Development and Start of FAT - BMS) was achieved by ABB, and invoiced for payment. The \$615,000 payment will be made by the NYISO by the end of September. Several new scope items have been proposed and are being evaluated to be part of another contract amendment. The estimated value of these additional scope items is between \$100,000 and \$250,000, and would be incorporated in the Phase II milestone. With the recent delays to the start of FAT for the BMS applications, it is likely that the milestone payment for the completion of Factory Acceptance Testing (FAT) will not be required until late October, and the incentive payment for ABB to be ready for the Start of Market Trials by November 1 is in jeopardy. This will present an interesting cash flow problem for the "2 Month Successful Market Trial" payment due to ABB on 12/31/03.

**Project Labor Reporting**

Month	Actual Hours				Budget Hours			
	Internal	Ranger	EAI	Total	Internal	Ranger	EAI	Total
Jan-03	628	1710	16	2354	900	1100	200	2200
Feb-03	1766	2630	11	4407	1800	1900	200	3900
Mar-03	1661	2211	39	3911	2000	2100	400	4500
Apr-03	1969	2714	211	4894	2000	2100	400	4500
May-03	2555	2868	426	5849	3000	3100	400	6500
Jun-03	2794	3106	207	6107	3000	3100	400	6500
Jul-03	2931	3894	343	7168	3000	3100	400	6500
Aug-03	3202	4676	337	8215	3000	3100	400	6500
Sep-03	4062	5060	483	9605	3000	3100	400	6500
Oct-03					3000	3100	400	6500
Nov-03					3000	3100	400	6500
Dec-03					3000	3100	400	6500
Jan-04					3000	3100	200	6300
Feb-04					3000	3100	200	6300
Mar-04					3000	3100	200	6300
Apr-04					3000	3100	200	6300
May-04					2000	2100	200	4300
Jun-04					2000	2100	100	4200
<b>Totals</b>	<b>21568</b>	<b>28869</b>	<b>2073</b>	<b>52510</b>	<b>46700</b>	<b>48600</b>	<b>5500</b>	<b>100800</b>

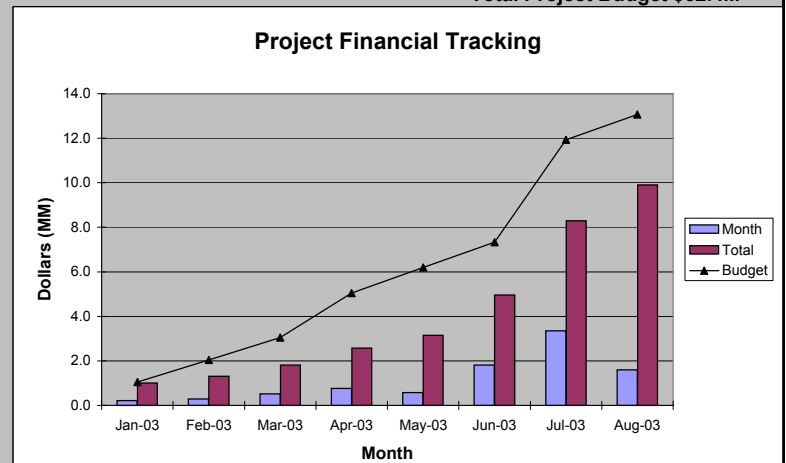


**Project Financial Status**

**\*\* Total Project Budget \$52.4M**

Month	SMD Project Costs (\$000)						
	Labor		Consultancy		Hardware		Month Total
	Month	Budget	Month	Budget	Month	Budget	
Dec-02	\$0.0	\$0.0	\$796.8	\$792.8	\$0.0	\$0.0	\$796.8
Jan-03	\$121.7	\$148.5	\$94.0	\$125.0	\$0.0	\$0.0	\$215.7
Feb-03	\$233.1	\$263.2	\$57.0	\$125.0	\$0.0	\$0.0	\$290.1
Mar-03	\$212.9	\$290.0	\$224.9	\$275.0	\$77.0	\$0.0	\$514.8
Apr-03	\$276.7	\$290.0	\$347.4	\$300.0	\$130.7	\$999.9	\$754.8
May-03	\$346.0	\$325.0	\$189.0	\$600.0	\$39.0	\$345.0	\$574.0
Jun-03	\$367.5	\$500.0	\$490.4	\$600.0	\$952.5	\$300.0	\$1,810.4
Jul-03	\$419.6	\$500.0	\$2,787.1	\$4,092.9	\$135.4	\$750.0	\$3,342.1
Aug-03	\$348.9	\$500.0	\$421.2	\$750.0	\$692.6	\$400.0	\$1,601.7
Sep-03		\$500.0		\$4,250.8		\$500.0	
Oct-03		\$500.0		\$3,364.2		\$250.0	
Nov-03		\$500.0		\$1,500.0		\$500.0	
Dec-03		\$500.0		\$4,720.7		\$250.0	
Jan-04		\$500.0		\$750.0		\$7,586.1	
Feb-04		\$500.0		\$2,244.9		\$200.0	
Mar-04		\$500.0		\$600.0		\$200.0	
Apr-04		\$500.0		\$3,086.1		\$0.0	
May-04		\$500.0		\$500.0		\$0.0	
<b>Totals</b>	<b>\$2,465.4</b>	<b>\$7,316.7</b>	<b>\$5,407.8</b>	<b>\$28,677.4</b>	<b>\$2,027.2</b>	<b>\$12,281.0</b>	<b>\$9,904.4</b>

**\*\* Costs do NOT include Wolf Road construction.**



**ABB Project Progress Tracking**

Milestone	Date	Target Percent	Actual
Quick Start	12/31/2002	10	10
Requirements	3/31/2003	20	21
Requirements (RTS)	4/18/2003	30	34
Dev. Complete	7/21/2003	50	58
ACC Hardware	8/1/2003	55	58
PCC Hardware	9/2/2003	60	62
Phase 1 FAT	9/15/2003	75	
QA Hardware	10/15/2003	75	
Market Trial Start	11/1/2003	80	
Phase 2 FAT	11/14/2003	85	
Training Complete	12/31/2003	85	
Mkt. Trial 2 Month	12/31/2003	85	
Mkt. Trial 3 Month	2/15/2004	85	
Cut-over Test	2/25/2004	90	
Go Live	4/1/2004	95	
Availability Test	5/13/2004	95	
Phase 3 SAT	8/20/2004	95	
Phase 3 Integration	10/1/2004	95	
Final Acceptance	11/1/2004	100	

