PVMS Reporting

Wbs	Task Name	A C W P	B C W P	B C W S	E T C	BAC	Actual Start Date	Actual End Date	Actual End Date
11350	Contract Balance	0.0	0.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	1.1 Software Training and Installation of OSIsoft Pi System	0.0	0.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Acquire OSIsoft Pi historian	240.0	240.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Project Kickoff Meeting - San Leandro, CA	32.0	32.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Attend Training at STI	8.0	8.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Acquire computers	240.0	240.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Install Pi Historian at UNO	120.0	120.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Attend Training at OSIsoft (3 classes month of June)	128.0	128.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	1.2 Design and Requirements for Operator Decision Support Toolbox (DST)	0.0	0.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Derive requirements for the DST	80.0	80.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Obtain tool requirements from EPRI for Operator DST Design Specifications	232.0	232.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Interview Entergy operators for DST requirements	40.0	40.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Develop design and requirements for Operator DST with Entergy	176.0	176.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Submit Design and Requirements document for Operator DST	80.0	80.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Review, revise and finalize the Operator DST Requirements document - Deliverable	40.0	40.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	1.3 DST Specification and Performance Metrics	0.0	0.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Work with OSIsoft and STI for interfacing DST	176.0	176.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Develop Specifications for Operator DST and Interfaces	176.0	176.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Develop performance metrics for DST	176.0	176.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Submit Specifications for DST Interface and Performance Metrics	40.0	40.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	

Wbs	Task Name	A C W P	B C W P	B C W S	E T C	BAC	Actual Start Date	Actual End Date	Actual End Date
	Review and Finalize Specifications for DST Interface and Performance Metrics - Deliverable	80.0	80.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	1.4 PMU Data Mining	0.0	0.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Development of data mining technique	176.0	176.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	1.5 DST Output Data Format and GUI Specifications for DST	0.0	0.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Work with STI for data format for DST	176.0	176.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Work with STI for the GUI specifications for DST	176.0	176.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Submit specifications to STI for data format of DST	80.0	80.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Submit specifications to STI for GUI for DST	80.0	80.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Review and Finalize data format for DST - Deliverable	40.0	40.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Review and Finalize GUI Specs for DST - Deliverable	80.0	80.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	1.6 Training and Education	0.0	0.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Training Activities - REPLACE WITH TEMPLATE TRAINING ACTIVITIES	40.0	40.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	2.1 Interfaces to Excel	0.0	0.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Work with STI to define requirements for Excel interface with DST	176.0	176.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Provide Requirements for Excel Interface to STI - Deliverable	80.0	80.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	2.2 Development, Testing and Demonstration of the Prototype of DST	0.0	0.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Receive STI interface for testing	16.0	16.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Test and confirm working STI interface for DST	160.0	160.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Design and Develop Prototype of DST	176.0	176.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Test DST Protype with Interface	80.0	80.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Submit a Report of the Testing Results for DST Prototype and Interface - Deliverable	80.0	80.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	

Wbs	Task Name	A C W P	B C W P	B C W S	E T C	BAC	Actual Start Date	Actual End Date	Actual End Date
	Demonstrate working DST Prototype and Interface - Deliverable	40.0	40.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	2.3 Component Testing and Beta DST Demonstration	0.0	0.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Perform component functionality validation testing for Beta DST (STI test data)	176.0	176.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Prepare and conduct DST Demonstration in conjunction with (STI)	80.0	80.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Provide recommendations to STI for the visualization concepts for DST - deliverable	120.0	120.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Prepare and conduct demonstrate the concept of visualization of PMU data and tools for Entergy Operators - deliverable	80.0	80.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	2.4 GIU Specifications for DST	0.0	0.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Test and refine DST metrics	80.0	80.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Analyze prototype feedback from Entergy Operators into GUI requirements	80.0	80.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Submit GUI specification options for review by Entergy	40.0	40.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Review and Finalize GUI specifications	80.0	80.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Provide specifications to STI for GUI for DST	40.0	40.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Submit CAB Process report for the Security Architecture and Hardware Infrastructure Requirements for Beta DST install	240.0	240.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Review and Finalize CAB Process for the Security Architecture and Hardware Infrastructure Requirements for Beta DST	80.0	80.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	2.5 Development of Visualization Prototype for Off-line DST	0.0	0.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Work with STI on Visualization Prototype for DST	176.0	176.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Perform User Interface testing on DST Technology and Application	120.0	120.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	

Wbs	Task Name	A C W P	B C W P	B C W S	E T C	BAC	Actual Start Date	Actual End Date	Actual End Date
	Prepare and conduct Interactive demonstration for Entergy operators, field engineers and management	80.0	80.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	2.6 Training and Education	0.0	0.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Training Activities - REPLACE WITH TEMPLATE TRAINING ACTIVITIES	40.0	40.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	3.1 Off-line Beta DST Installation, Testing and Demonstration at Entergy	0.0	0.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Install the Off-line version of DST, including visualization at Entergy	176.0	176.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Test the Off-line version of DST, including visualization at Entergy	176.0	176.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Adjust DST as required to accommodate Entergy infrastructure	176.0	176.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Demonstrate the Off-line version of DST, including visualization at Entergy - Deliverable	176.0	176.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Provide Installation instructions and recommendations document for migration to real-time Entergy environment - delivery	176.0	176.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	3.2 DST Real-Time Migration - Testing and Demonstration at Entergy	0.0	0.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Test Entergy real-time environment installation	176.0	176.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Adjust DST, as required, to accommodate Entergy real-time environment	176.0	176.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Provide Final Installation Instructions document for Entergy's Real-time Environment for DST - deliverable	176.0	176.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Demonstrate and hands-on training for the real-time environment version of DST, including visualization at Entergy - del	176.0	176.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	3.3 Project Conclusion and Reporting	0.0	0.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Prepare project results for publication	176.0	176.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Final Evaluation, Final Project Reporting, & Final Technical Documentation - deliverables	176.0	176.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	

Wbs	Task Name	A C W P	B C W P	B C W S	E T C	BAC	Actual Start Date	Actual End Date	Actual End Date
	Project Complete	0.0	0.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Obtain tool requirements from NEU for Operator DST Design Specifications	120.0	120.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Obtain tool requirements from UIUC for Operator DST Design Specifications	120.0	120.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Obtain tool requirements from WSU for Operator DST Design Specifications	120.0	120.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Review, revise and finalize DST Prototype and Interface - Deliverable	120.0	120.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Operator Decision Support Tools	0.0	0.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
11351	3. Performance Metrics Matrix Template - Start Milestone	0.0	0.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Create a draft template	40.0	40.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Submit to participants at Kick-off Meeting for discussion	8.0	8.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Submit final draft template to Entergy for approval	80.0	80.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Review, Revise and Finalize Template - Deliverable	80.0	80.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	4. Data Interface and User Interface Development	0.0	0.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Develop draft metrics with EPRI	136.0	136.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Develop draft scoping document with EPRI	136.0	136.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Submit Scoping Document to Entergy for approval with EPRI	176.0	176.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Review, revise and finalize Scoping Document with EPRI - Deliverable	176.0	176.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Develop data interfaces with EPRI	216.0	216.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Develop user interface with EPRI	216.0	216.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Develop draft metrics with GPA	136.0	136.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Develop draft scoping document with GPA	136.0	136.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Submit Scoping Document to Entergy for approval with GPA	176.0	176.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Review, revise and finalize Scoping Document with	176.0	176.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	

Wbs	Task Name	A C W P	B C W P	B C W S	E T C	BAC	Actual Start Date	Actual End Date	Actual End Date
	GPA - Deliverable								
	Submit Scoping Document to Entergy for approval with WSU	176.0	176.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Review, revise and finalize Scoping Document with WSU - Deliverable	176.0	176.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Develop data interfaces with WSU	216.0	216.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Develop user interface with WSU	216.0	216.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	5. Prototype with User Interface - Start Milestone	0.0	0.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	STAS Prototype for GPA installation and configuration	240.0	240.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	STAS Prototype for WSU installation and configuration	240.0	240.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	STAS Prototype for UIUC installation and configuration	240.0	240.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	STAS Prototype for NEU installation and configuration	240.0	240.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	STAS Prototype for EPRI installation and configuration	240.0	240.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	STAS Prototype for UNO installation and configuration	240.0	240.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Maintenance and Support for GPA	2,216.0	2,216.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Maintenance and Support for UNO	2,216.0	2,216.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Maintenance and Support for WSU	2,216.0	2,216.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Maintenance and Support for UIUC	2,216.0	2,216.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Maintenance and Support for NEU	2,216.0	2,216.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Maintenance and Support for EPRI	2,216.0	2,216.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	GPA Training for Phasor Data Visualization using STAS and Training for PI Interface	40.0	40.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	UIUC Training for Phasor Data Visualization using STAS and Training for PI Interface	40.0	40.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	NEU Training for Phasor Data Visualization using STAS and Training for PI Interface	40.0	40.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	

Wbs	Task Name	A C W P	B C W P	B C W S	E T C	BAC	Actual Start Date	Actual End Date	Actual End Date
	WSU Training for Phasor Data Visualization using STAS and Training for PI Interface	40.0	40.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	UNO Training for Phasor Data Visualization using STAS and Training for PI Interface	40.0	40.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	EPRI Training for Phasor Data Visualization using STAS and Training for PI Interface	40.0	40.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Submit Integrated Architecture Infrastructure and Design Document for Approval - CAB Process	240.0	240.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Review, finalize and resubmit Integrated Architecture Infrastructure and Design Document I - CAB Process	120.0	120.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	6. STAS PMU Visualization Implementation - Start Milestone	0.0	0.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Identification, Definition, and Creation of new PI tags	160.0	160.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Interview with operators/Historians for past events & episodes as reference data for sandbox processing	16.0	16.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Performance Check State estimator data feeds	32.0	32.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Project Specification for Steady State Analysis	24.0	24.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Project Specification for Exception State Analysis	24.0	24.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Analysis of Power system operation functions based on historical Data	32.0	32.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Analysis for prototyping PMU data with visualization technology	32.0	32.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Study disturbances in frequency, phase angle differences, voltages across a Wide Area Network	24.0	24.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Ability to visually detect oscillations and take remedial actions via process workflow's	40.0	40.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Ability to visually represent and Take timely actions to mitigate stress on the grid through early warning systems	32.0	32.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	

Wbs	Task Name	A C W P	B C W P	B C W S	E T C	BAC	Actual Start Date	Actual End Date	Actual End Date
	Gap Analysis with existing non-Entergy data	48.0	48.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Analysis of past data from stability loss from generator failure during electrical events	32.0	32.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Analysis of State estimator data for visualization purposes	56.0	56.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Business intelligence reports (presentation of KPIs) based on PMU data, measure the confidence index in ensuring grids	40.0	40.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Visual representation of power quality feeds from reactive compensators in the event of low power quality during electri	48.0	48.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Configuration of 'Frame of Reference' Substation - Reference point	80.0	80.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Analysis of KPIs for monitoring the communication backbone	24.0	24.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Frequency alerts and Rules Configuration dashboard for Protection points	64.0	64.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Measure of Phase Angle Differences, Voltage, Line A,B,C & Frequency deviations	80.0	80.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Seeding Alert Conditions, Workflow	80.0	80.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Definition of new PI tags for State Estimation	24.0	24.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Threshold configuration dashboard for measuring temporal derivatives of voltage, frequency, voltage and power quality	64.0	64.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Visualization of Phasor Clocks for top 20 substations based on a reference point	104.0	104.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Integration of State Estimator feeds into PI database	72.0	72.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Ensure Production Servers are Procured and installed	24.0	24.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Visual Configuration & Design of OMS control (Geospatial manipulation of Oscillation, damping coefficients)	56.0	56.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Stress Testing	88.0	88.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	

Wbs	Task Name	A C W P	B C W P	B C W S	E T C	BAC	Actual Start Date	Actual End Date	Actual End Date
	Integration Testing	240.0	240.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Final Modifications	240.0	240.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	End user training	240.0	240.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Dry Run	240.0	240.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Super user training	16.0	16.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	*** GO LIVE ***	88.0	88.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Ensure Production Servers are Procured and installed	16.0	16.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	A day in the Life' Testing	16.0	16.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Develop data interfaces with GPA	216.0	216.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Develop user interface with GPA	216.0	216.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Develop draft metrics with NEU	136.0	136.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Develop draft scoping document with NEU	136.0	136.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Submit Scoping Document to Entergy for approval with NEU	176.0	176.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Review, revise and finalize Scoping Document with NEU - Deliverable	176.0	176.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Develop data interfaces with NEU	216.0	216.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Develop user interface with NEU	216.0	216.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Develop draft metrics with UIUC	136.0	136.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Develop draft scoping document with UIUC	136.0	136.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Submit Scoping Document to Entergy for approval with UIUC	176.0	176.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Review, revise and finalize Scoping Document with UIUC - Deliverable	176.0	176.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Develop data interfaces with UIUC	216.0	216.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Develop user interface with UIUC	216.0	216.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Develop draft metrics with UNO	136.0	136.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Develop draft scoping document with UNO	136.0	136.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	

Wbs	Task Name	A C W P	B C W P	B C W S	E T C	BAC	Actual Start Date	Actual End Date	Actual End Date
	Submit Scoping Document to Entergy for approval with UNO	176.0	176.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Review, revise and finalize Scoping Document with UNO - Deliverable	176.0	176.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Develop data interfaces with UNO	216.0	216.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Develop user interface with UNO	216.0	216.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Develop draft metrics with WSU	136.0	136.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Develop draft scoping document with WSU	136.0	136.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Integration with State estimation system for visualization of state data	24.0	24.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Implementation of Flow gate visuals based on live feeds from underlying EMS systems via a historian interface	24.0	24.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Integration of PI feeds & ACE calculations into STAS for Alerting and visualization	8.0	8.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Wide-Area Monitoring Capabilities for Entergy's Visualization of the Grid	40.0	40.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Integration of Oscillation Management System output into STAS	40.0	40.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Begin Design and Architecture for Visualization of the Health of the Communications Infrastructure	40.0	40.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Architecture and Design of Geospatial integration of the NASPInet systems (EIPP)	96.0	96.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	2. Migration Existing Data from Magma to STAS Platform - Start Milestone	0.0	0.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Gap Analysis with Existing Design	16.0	16.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Confirmation of Connection with Existing Historian & GIS Systems	40.0	40.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Migration of Existing Ecosystems to new Version	128.0	128.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Configuration of Alerts / Dashboard events	120.0	120.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Data Analysis - Ensure that the data is in format needed for processing	16.0	16.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	

Wbs	Task Name	A C W P	B C W P	B C W S	E T C	BAC	Actual Start Date	Actual End Date	Actual End Date
	Portal functionality for situational dashboard	80.0	80.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Setup connection with the PI Server and database	112.0	112.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Ensure all the necessary firewall and security issues are resolved	72.0	72.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Pre Go-Live Testing	88.0	88.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Super user training	80.0	80.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Install STI Energy Management and Crisis Management Applications Software	40.0	40.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Space Time Awareness Suite Visualization Tool Installed, Migration and Benchmarking Completed (M)	40.0	40.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Approved CAB process STI STAS Platform and Reporting Application	8.0	8.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
11352	OSIsoft C37.118 Interface Licenses (Project Year 1)	8.0	8.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	OSIsoft C37.118 Interface Licenses (Project Year 2)	8.0	8.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	OSIsoft C37.118 Interface Licenses (Project Year 3)	8.0	8.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	OSIsoft Software Installed at Entergy	40.0	40.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Test Secure Phasor Platform (SPP) and provide report of test results - Cat Wong / KC Rubal / Leonard Chamberlain	160.0	160.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Review and Finalize Cyber-Secure Phasor Platform Drawings	120.0	120.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	
	Review Outcome of Georgia Tech PMU Benchmarking Study and Incorporate Findings in to Specifications	360.0	360.0	0.0	0.0	0.0	14 Jun 2010	14 Jun 2010	