

Global Business Services

External Review of Nodal Program PMO Control System

Executive Discussion

Electric Reliability Council of Texas, Inc. (ERCOT) Board of Directors Meeting January 16, 2007

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Agenda

Background

Approach

Findings

Recommendations



Background

- IBM Global Business Services is engaged to perform reviews of the Nodal Program Management Office Control System (PMOCS)
- The PMOCS is a process designed to support the PMO in managing and controlling program:
 - Costs (approved budget)
 - Scope (approved boundaries and definitions)
 - Schedule (approved completion timeline)
 - Results (approved requirements)
- The external review process commenced in September 2006 and will continue to program completion in 2009 with semi-annual progress checks
- Reviews of the PMOCS are in two phases:
 - An initial review of the PMOCS design (completed in October 2006)
 - Periodic progress reviews of PMOCS performance (first progress review completed December 28, 2006)



Background

- A PMOCS consists of three interrelated components:
 - Control Environment
 - Control Activities
 - Control Quality Reviews
- The External Reviews being conducted by IBM focus on the Control Activities
- The Control Activities reviews included:
 - In the initial review:
 - Evaluation of design completeness for program of this size and complexity
 - Identification of strengths and weaknesses
 - Provision of recommendations for improvement
 - In the subsequent progress review:
 - Assessment of the current state of the PMOCS structure
 - Evaluation of program controls performance
 - Provision of recommendations for improvement



Approach

Initial Assessment ¹: Nodal Program Control Design compared to Best Practice Control Activities

<u>Progress Report ²</u>: Nodal Program Control Structure considered for action on previous recommendations and actual performance of Control Activities defined in the Control Structure





Findings – Control System Structure

Operational Condition of Nodal

Program Control System:

Partially in development

Ratings Scale:

- o Meets Best Practices Standard
- > Exceeds Best Practices Standard
- < Less than Best Practices Standard

Control Dimension	Description	Rating	Comments	
Program/Project Definition	Program objectives, scope, costs and risks.	0	Unchanged from previous assessment	
Sponsor Agreement Management	Process that provides approval and engagement	0	Unchanged from previous assessment	
Change Management	Process that addresses Change Control	0	Prioritization process in development	
Human Resource Management	Process for hiring, firing, on-boarding, training, etc.	Not Evaluated	n/a	
Supplier Management	Process provides key terms for suppliers' contracts	Not Evaluated	n/a	
Risk Management	Process for consolidated risk management plan	<	A single data base and improved definitions needed	
Issue Management	Process for managing program issues	<	Lack of integration limits visability	
Communications Management	Process for program communications	0	Unchanged from previous assessment	
Work Plan Management	Process for project and program management schedules	<	More information needed in the plans; metrics model needed	
Technical Environment Management	Process for tools for the program including technical environments	>	Configuration management in development	
Deliverables Management	Process for acceptance criteria, approval, and checkpoints for program deliverables.	0	Effective process put in place includes enhancements to orginal design	
Organization Management	Process for appropriate PMO guidance, structure & resourcing	<	Enhance PMO to reflect current lifecycle stage of program.	
Tracking and Control	Documented for tools, reports, methods to track program (includes cost planning	>	Unchanged from the previous assessment	
Quality Management	Documented for quality control of PMOCS.	0	Unchanged from the previous assessment	

Structure Ratings Table



Findings – Control System Performance

Operational Condition of Nodal

Program Control System:

Partially Effective

Ratings Scale:

o Meets performance expectations

> Exceeds performance expectations

< Less than performance expectations

Control Dimension	Rating	Comments	
Program/Project Definition	0	Operating as designed	
Sponsor Agreement Management	<	Not yet fully engaged - IT and Business	
Change Management	<	Completion of impact assessment assessment	
Human Resource Management	Not Evaluated	n/a	
Supplier Management	Not Evaluated	n/a	
Risk Management	<	Not up to date	
Issue Management	<	Not up to date	
Communications Management	<	More cross project and program integration communications	
Work Plan Management	<	Consistency of application	
Technical Environment Management	>	Configuration management process being developed	
Deliverables Management	0	Operating as designed	
Organization Management	0	New Program director; org under review	
Tracking and Control	<	Cost contingency is low, regular forecasting required.	
Quality Management	0	Operating as designed	

Performance Ratings Table



Recommendations

Recommendation	Impact	Risk	Action	Timing
Modify role of PMO	Greater guidance improves performance; structure to support.	High	Enhance PMO structure and guidance based on Program stage	1 st Quarter
Update estimate and contingency	Improved accuracy and understanding of estimate drivers	High	Develop metrics for each project; consider higher contingency	1 st Quarter
Engage internal stakeholders in Nodal Program	More effective design and easier transition process	High	Actively engage IT and Business Owners	1 st Quarter
Modify tools for Issue and Risk Management	Increased visibility of common trends	Medium-High	Single Database; improved reporting	1 st Quarter
Improve content and consistency of work plans	Improved understanding of progress	Medium-High	Additional data required; adhere to policy	1 st Quarter
More timely completion of impact analysis in Change Requests	Delays decision making	Medium	Clear backlog in preparation for next program phase	1 st Quarter