

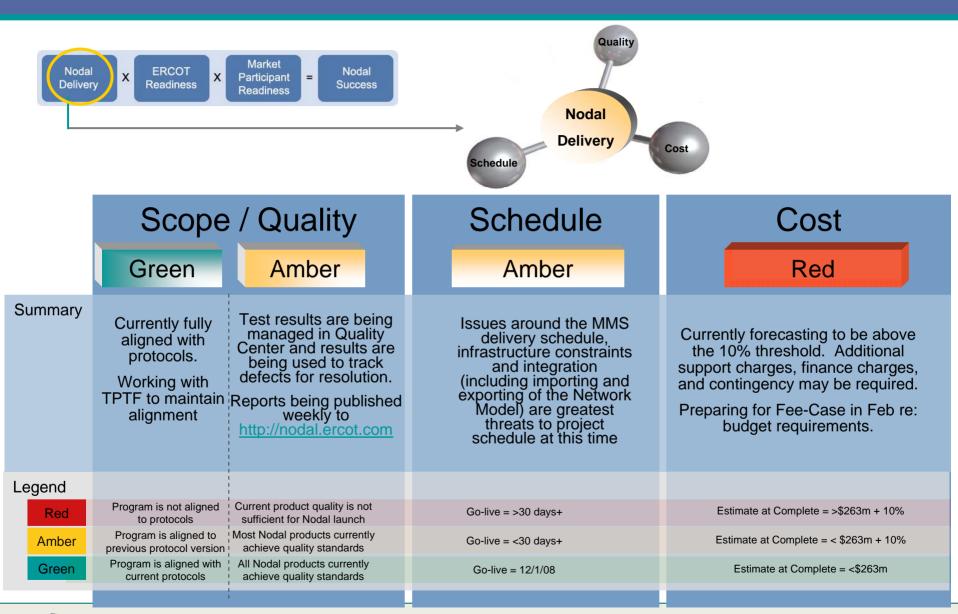
**Texas Nodal Market Implementation** 

**Program Update** 

**Jerry Sullivan** 

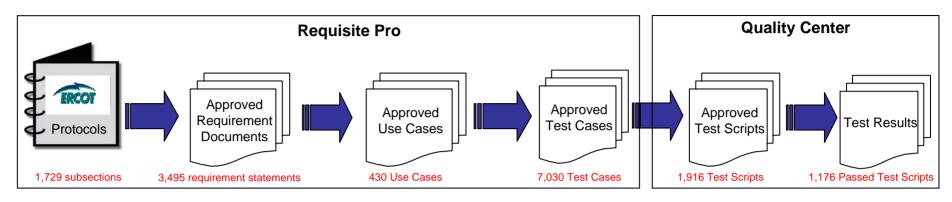
Monthly Board of Directors Meeting January 15, 2008

### Overall program status remains amber

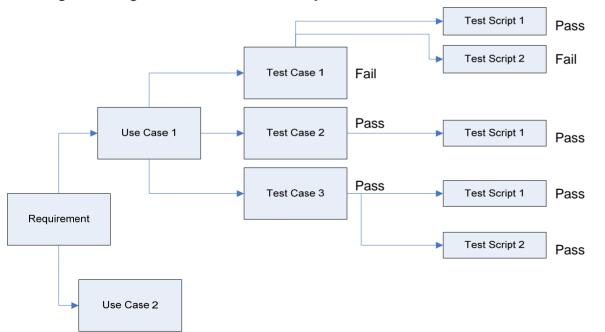




### Focus to date has been on requirements coverage of the Protocols; Now additional focus on testing artifacts



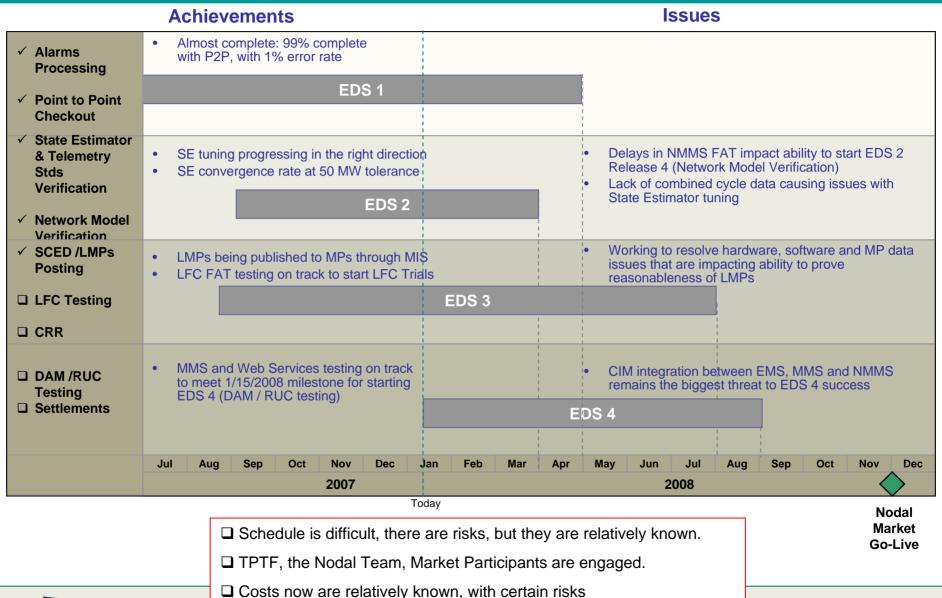
#### Testing coverage as defined in Quality Center:



- We have coverage of the protocols
- We are fully aligned with the intent of the transition plan, the protocols, and the Commission order, however we may defer items with consultation with TPTF.
- □ We are undergoing a diligent effort to ensure that quality is tracked, reported, analyzed, and resolved
- ☐ In essence, testing is "under control"

### **EDS Schedule Update**





## **Major risks to Go Live**

Risk	Description	Likelihood	Impact on Go Live	Mitigation
MMS delivery schedule	<ul> <li>Tight delivery schedule constrains testing and defect cycles, impacts EDS trials schedule</li> </ul>	L	Н	<ul> <li>Enhanced oversight of, and on-site working with, ABB</li> <li>Reallocation of work from ABB to ERCOT</li> <li>Overlap EDS with FAT testing</li> </ul>
Infrastructure constraints (power, space, cooling)	<ul> <li>Limits speed and scale of environment build outs, impacts development projects, integration and EDS trials</li> </ul>	Н	L	<ul> <li>Prioritizing build out of environments and applications based on EDS schedule</li> <li>Planning active / standby EDS environment (Austin / Taylor) to eliminate short-term ITest need</li> <li>Building test environment in Blue Building server room</li> <li>Removing all non-essential equipment from Austin data center</li> <li>Compressing Nodal deployment footprint as much as possible</li> </ul>
Integration (including CIM Model)	<ul> <li>Lack of source systems and infrastructure limits ability to validate integration points, impacts re- factoring cycle times and costs</li> </ul>	M	М	<ul> <li>Building interfaces in advance of applications delivery based on available information expecting re-factoring</li> <li>Testing application and integration in available, sub-optimal environments</li> </ul>
	<ul> <li>Uncertainty over ability to integrate CIM models may impact data and system quality and testing</li> </ul>	Н	L	<ul> <li>Working with 3 main vendors on multiple iterations of development and validation of CIM import/export</li> <li>Investigating contingency plan to preserve April 1st start of DAM / RUC EDS trials</li> </ul>





# Nodal Program Cost Element Summary - January 2008

(\$ Millions)

	Through November 2007								Estimate at Complete (EAC)						
Cost Element	Budget		Actual		Var. (o)/u Budget		Budget		Fo	orecast	Var. (o)/u Budget				
Internal Labor	\$	20.4	\$	23.3	\$	(2.9)	\$	36.0	\$	47.9	\$	(11.9)			
External Labor		49.8		51.8		(2.0)		71.5		94.9		(23.4)			
Vendor		41.1		38.1		3.0		56.4		76.8		(20.4)			
Hardware / Software		50.2		53.2		(3.0)		58.8		59.2		(0.4)			
Taxes and Other		9.9		5.6		3.0		14.7		15.1		(0.4)			
Subtotal	\$	171.4	\$	172.0	\$	(1.9)	\$	237.4	\$	293.9	\$	(56.5)			
Contingency		2.0		-		2.0		15.0		15.0		-			
Total Nodal Program	\$	173.4	\$	172.0	\$	0.1	\$	252.4	\$	308.9	\$	(56.5)			
Finance Charge		5.3		6.2		(0.9)		10.6		10.6		-			
Total	\$	178.7	\$	178.2	\$	(8.0)	\$	263.0	\$	319.5	\$	(56.5)			





# Nodal Program Project Summary - January 2007

(\$ Millions)

	Through November 2007							Estimate at Complete (EAC)						
		Var. (o)/u				Var. (o)/u					• •			
Project Name		Budget		Actual		Budget	Budget		Forecast		Budget			
Integrated Design Authority (IDA)	\$	6.6	\$	6.8	\$	(0.2)	\$	6.8	\$	9.7	\$	(2.9)		
Infrastructure (INF)		53.6		60.0		(6.4)		63.4		66.5		(3.1)		
Network Model Mgmt System (NMMS)		10.4		6.3		4.1		12.3		14.6		(2.3)		
Market Management System (MMS)		20.3		23.0		(2.7)		25.3		52.1		(26.8)		
Energy Management System (EMS)		13.2		11.9		1.3		17.9		21.5		(3.6)		
Congestion Revenue Rights (CRR)		5.9		5.5		0.4		6.3		8.1		(1.8)		
Commercial Systems (COMS)		10.9		11.0		(0.1)		14.8		17.3		(2.5)		
Electronic Data Warehouse (EDW)		1.9		1.5		0.4		4.0		4.1		(0.1)		
Market Information System (MER-MIS)		4.2		4.8		(0.6)		7.2		9.3		(2.1)		
Market Other (MER-OTH)		2.5		2.6		(0.1)		3.6		5.1		(1.5)		
Market Training (MER-TRN)		6.7		4.4		2.3		10.1		9.1		1.0		
Integration Testing (INT)		12.1		11.5		0.6		17.0		19.7		(2.7)		
Early Delivery System (EDS)		7.3		6.4		0.9		22.6		21.2		1.4		
ERCOT Readiness & Transition (ERT)		1.8		1.1		0.7		4.7		4.0		0.7		
Enterprise Integration Project (EIP)		8.2		11.4		(3.2)		12.3		20.0		(7.7)		
Program Control (PC)		5.8		3.8		2.0		9.1		11.6		(2.5)		
Subtotal	\$	171.4	\$	172.0	\$	(0.6)	\$	237.4	\$	293.9	\$	(56.5)		
Contingency		2.0		-		2.0		15.0		15.0		-		
Finance Charges		5.3		6.2		(0.9)		10.6		10.6		-		
Total		178.7	\$	178.2	\$	0.5	\$	263.0	\$	319.5	\$	(56.5)		



# Questions ??

