Product Management Update

Prepared for:

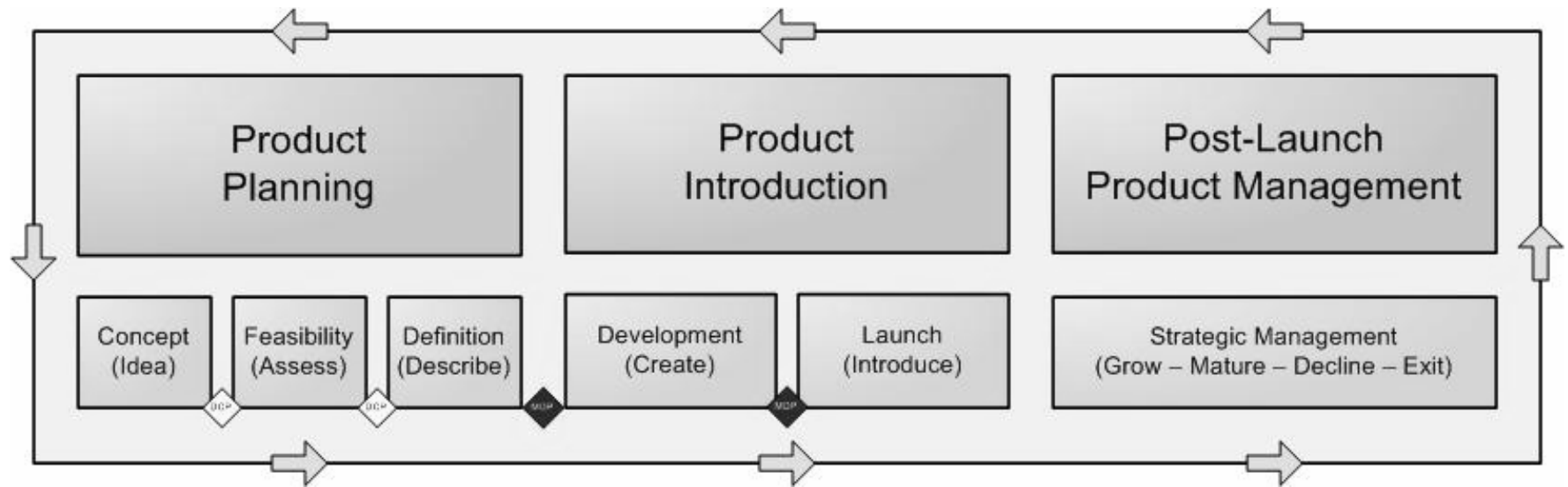**Budget, Standards & Performance Subcommittee**

September 27, 2005

NYISO Products

Business solutions delivered as features, functions and services that enable Market Participants to conduct business in NYISO markets

NYISO Product Portfolios

- *Energy Marketplace*
- *ICAP Marketplace*
- *TCC Marketplace*
- *Operations & Reliability*
- *Financial Services*
- *Business Intelligence*

Product Management Lifecycle Model

Energy Marketplace Product Portfolio

- **Markets**
  - ✓ *Energy*
    - • ***Generation***
    - • ***Load***
    - • ***Transactions***
    - • ***Virtual***
  - ✓ *Ancillary Services*
    - • ***Reserves***
    - • ***Regulation***
  - ✓ *Demand Response*
    - • ***DADRP***
    - • ***EDRP***

- **Core Delivery Mechanisms**
  - ✓ *MIS*
  - ✓ *OSS*
  - ✓ *Upload/Download*

2006 Products and Enhancements

Products & Enhancements	Concept Development	Feasibility and Design	Product Development	Product Launch
Comprehensive Bid Management	x	x	x	x
Price Error Elimination	x	x	x	x
Combined Cycle Modeling*	x			
Intra-hour Transaction Scheduling*	x			
Self Supply of Reserves*	x			
Wind Forecasting System*	x			

*These products could progress to feasibility and design depending on market drivers and resource availability.

ICAP Marketplace Product Portfolio

- **Market**
  - ✓ Design
  - ✓ Auction
  - ✓ Manual
  - ✓ Documentation

- **Core Delivery Mechanism**
  - ✓ Currently manual processes

2006 ICAP Product Enhancements

Product Enhancements	Concept Development	Feasibility And Design	Product Development	Product Launch
Submittal of GADS data	x	x	x	Under Review
Maintain EFORd for generators	x	x	x	Under Review
Request import rights				
All aspects of SCRs				

TCC Marketplace Product Portfolio

- **Market**
  - ✓ Design
  - ✓ Auction
  - ✓ Manual
  - ✓ Documentation

- **Core Delivery Mechanism**
  - ✓ Currently manual processes

2006 TCC Product Enhancements

Products & Enhancements	Concept Development	Design and Feasibility	Product Development	Product Launch
Automation of TCC Awards	X	X	X	X
Submit, maintain and view bids/offers	X	X	X	Under Review
Track MP TCC credit requirements	X	X	X	Under Review
Develop TCC inventory control database	X	X	X	X
Dynamic access to market related data and billing information				
Conduct End-State design auctions				
TCC options				
Integration with DAM to produce network model for auctions				
Perform auction revenue allocation calculations				
Perform DAM transmission facility outage cost calculations				

Operations & Reliability Product Portfolio

- **Focus**
  - ✓ *Scheduling & Dispatch*
  - ✓ *Management*
  - ✓ *Reporting*

- **Core Delivery Mechanisms**
  - ✓ *Energy Management System (EMS)*

2006 Operations & Reliability Products and Enhancements

Products & Enhancements	Concept Development	Feasibility and Design	Product Development	Product Launch
Automate outage schedule reporting	X	X	X	X
Integrate SRE/OOM applications	X	X	X	X
1385 controllable tie line			X	X
Other controllable tie line additions*	X			
Data communications security	X			

*Other tie line additions/proxy bus additions could be developed and launched if the generic CTL solution can be used.

Financial Services Product Portfolio

- **Focus**
  - ✓ Customer Settlements
  - ✓ Process automation
  - ✓ Web-based reconciliation requests
  - ✓ Credit Management
  - ✓ Working Capital Rebalancing
  - ✓ Data storage and performance optimization

- **Core Delivery Mechanisms**
  - ✓ Billing and Accounting System
  - ✓ Customer Settlements Data Mart
  - ✓ NYISO.com

2006 Financial Services Products and Enhancements

Products & Enhancements	Concept Development	Feasibility And Design	Product Development	Product Launch
Billing Engine Replacement	X	X	X	
Automation of Voltage Support Service	X	X	X	X
Automation of Thunderstorm Alert cost reallocation	X			
Automation of Quick-Start Reserves settlement and cost reallocation	X			
Web-Based Reconciliation enhancements prioritization	X			
Automated, integrated credit management system	X			
Automation of Working Capital rebalancing process	X	X	X	X

Business Intelligence Product Portfolio

- **Focus**
  - ✓ *Data access*
  - ✓ *Analytical tools*
  - ✓ *Reports*
  - ✓ *Dashboards*

- **Core Delivery Mechanisms**
  - ✓ *Data Warehouse*
  - ✓ *NYISO.com*

2006 Business Intelligence Products and Enhancements

Products & Enhancements	Concept Development	Feasibility and Design	Product Development	Product Launch
Operational and Pricing Information Data Mart	X	X	X	X
Operational and Pricing Dashboard	X	X	X	X