Marketplace Technical Conference
Introduction and Project Overview

August 11, 2006

Presentation Outline

- ◆ Background
  - ▪ *Project Name & Number*
  - ▪ *Value Proposition (Objective)*
  - ▪ *Drivers*
  - ▪ *Deliverables*
  - ▪ *Benefits*
  - ▪ *High-Level Schedule*
- ◆ Agenda Topics for Detailed Discussion

Project Background

- ◆ Name & Number
  - ▪ *Comprehensive Bid Management System (A767)*

- ◆ Value Proposition (Objective)
  - ▪ *Stabilize and modernize critical NYISO Marketplace applications by thoroughly re-engineering the core software infrastructure, systematically replacing the current MIS architecture over a number of years*

Drivers

- Aging Marketplace infrastructure
  - *Current MIS implemented with NYISO start-up*
  - ***Need to ensure long-term stability and reliability***
- Commitment to improve Marketplace availability
- Commitment to improve system performance
- Commitment to improve execution in delivering future enhancements

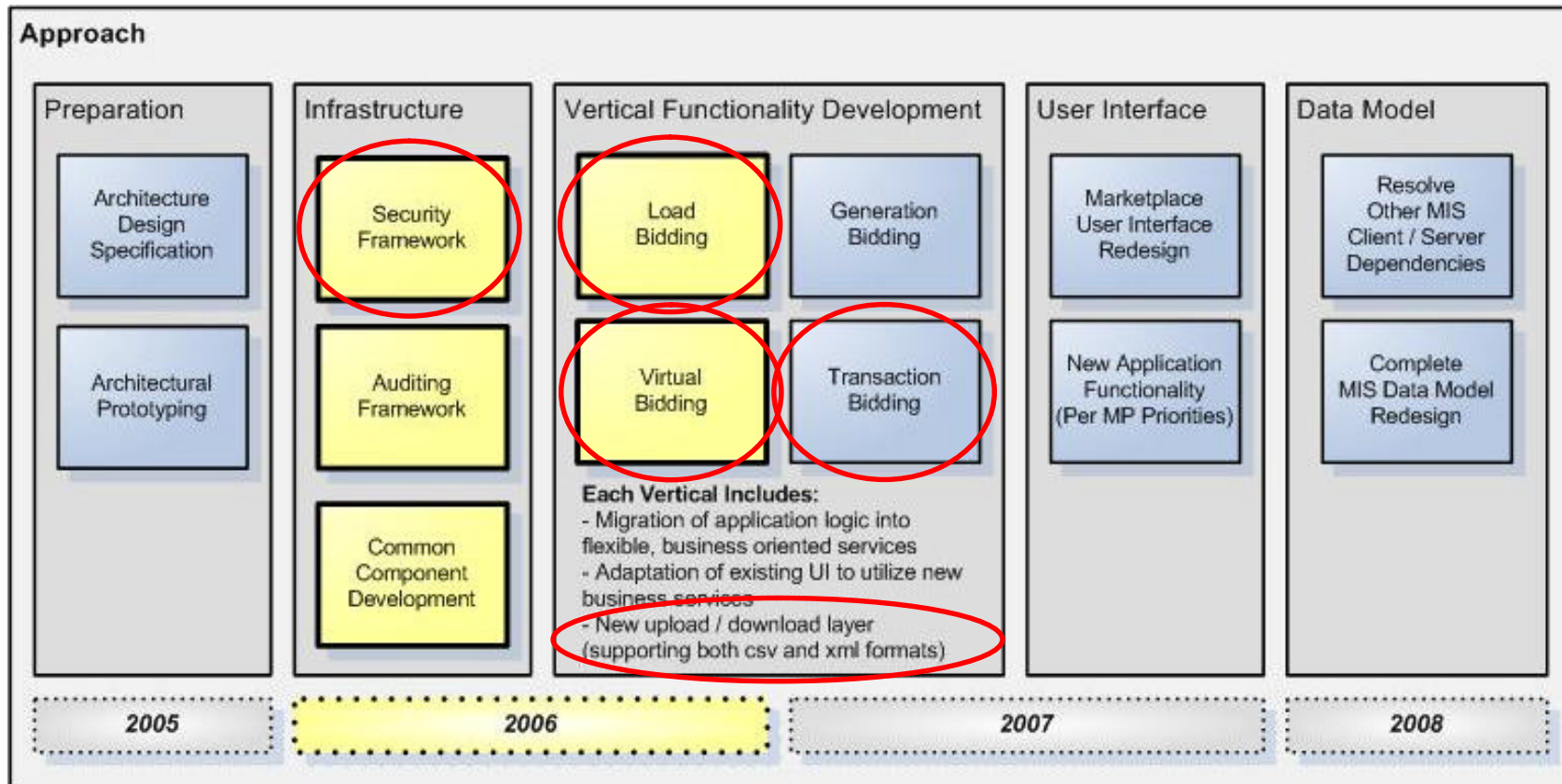# Deliverables

- ◆ Migration of existing Marketplace application logic into flexible, business oriented 'services'
  - ▪ *Phased delivery by functional area*
    - • Load, Virtual, Generation, and Transaction Bidding
- ◆ Enhanced application security architecture
  - ▪ *Providing "single sign-on" across NYISO applications*
- ◆ More flexible XML-based upload / download
  - ▪ *Continued CSV support to ensure smooth transition*
- ◆ Redesigned Marketplace user interface
- ◆ Redesigned data model to optimize performance

Benefits

- World class availability for NYISO Marketplace
  - *Minimize unplanned outages*
  - *Limit the frequency and duration of planned outages*
- Improved application performance
  - *Scalability to support future growth*
- Improved flexibility
  - *Allows faster, more predictable delivery of future Marketplace application enhancements*
- Reduced ongoing maintenance costs
  - *Consistent architecture across NYISO market applications provides efficiencies*

High-Level Project Schedule

Topics scheduled for discussion in the technical conference today

Tech Conference Agenda

- ◆ **Security Changes**

- ◆ **Transaction Bidding Changes**
  - ▪ *OSS Retirement*
  - ▪ *FRP Confirmation Migration*

- ◆ **Technical Architecture Changes**
  - ▪ *Load and Virtual Bidding*
  - ▪ *Upload / Download*

- ◆ **Summary of Changes and Proposed Schedule**