

# **Comprehensive Bid Management System Project Update**

SPWG – July 31, 2006

# Presentation Outline

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- ◆ Background
  - *Value Proposition (Objective)*
  - *Drivers*
  - *Deliverables*
  - *Benefits*
  - *High-Level Schedule*
- ◆ Current Status Update

# Value Proposition (Objective)

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- ◆ 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

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- ◆ 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

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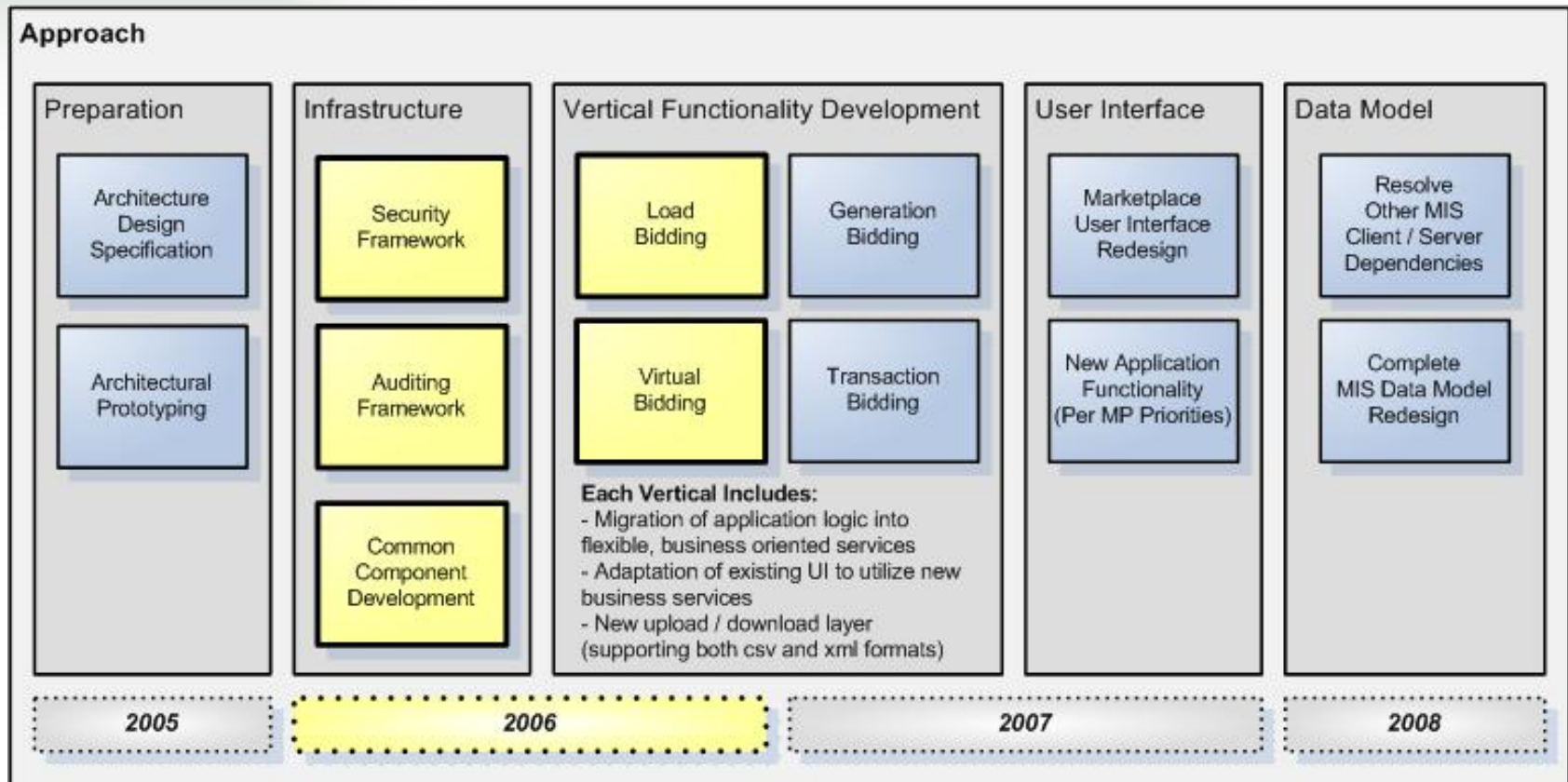
- ◆ Migration of existing Marketplace application logic into flexible, business oriented ‘services’
  - *Phased delivery by functional area*
    - Load, Virtual, Generation, and Transaction Bidding
- ◆ Enhanced application security architecture
  - *Providing “single sign-on” across NYISO applications*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

# Benefits

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- ◆ 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 Schedule



# Current Status Update

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- ◆ Design, development, and testing underway for Infrastructure, Load Bidding and Virtual Bidding deliverables
  - *Targeting Jan. 2007 delivery*
- ◆ Separate SPWG presentation will summarize expected changes in functionality and technical implementation
  - *Functional changes not expected to impact market rules*
- ◆ Technical conference scheduled to discuss specific Web application and Upload / Download changes in greater detail
  - *Scheduled for August 11, 2006*