

Open Scheduling System Project Update

NYISO BIC

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Agenda

- Background
 - Challenge
 - Guiding Principles
- Overview
 - What is OSS?
 - Process Comparison
 - Communications
 - Benefits
- Project Plan
 - Timeline
 - Deliverables

Challenge

- Transaction related seams issues present significant challenge to Inter-Regional operations
 - Inconsistent data for common transactions between ISOs
 - Multiple data entry interfaces for single transaction
 - Lack of communication between different software systems
 - Accommodate different market models, including business process, timing, ramp rate, etc.
 - Accommodate procurement of transmission services whether physical or financial
 - Inefficient Inter-Control Area checkout processes

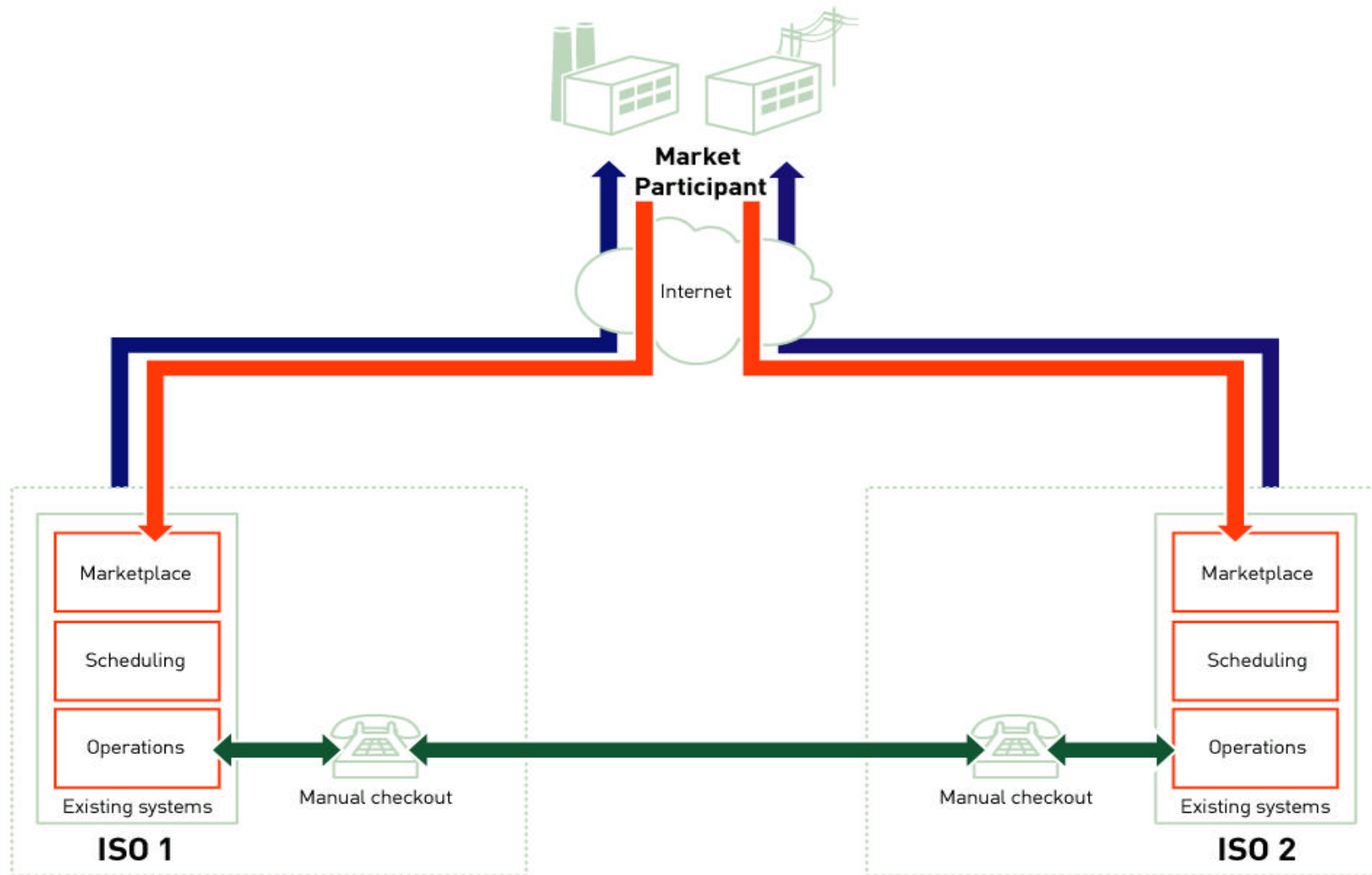
Guiding Principles

- Create an improved architecture that can be used as a blueprint for future applications
- Must have flexibility to quickly accommodate changing Market rules
- Make it easier for MPs to interact with ISOs/RTOs
- Provide immediate benefit to the MPs in a cost-effective manner with minimal impact on current business practices
- Must easily integrate with existing ISO/RTO Market System and be able to migrate to FERC Standard Market Design (SMD)

What is OSS?

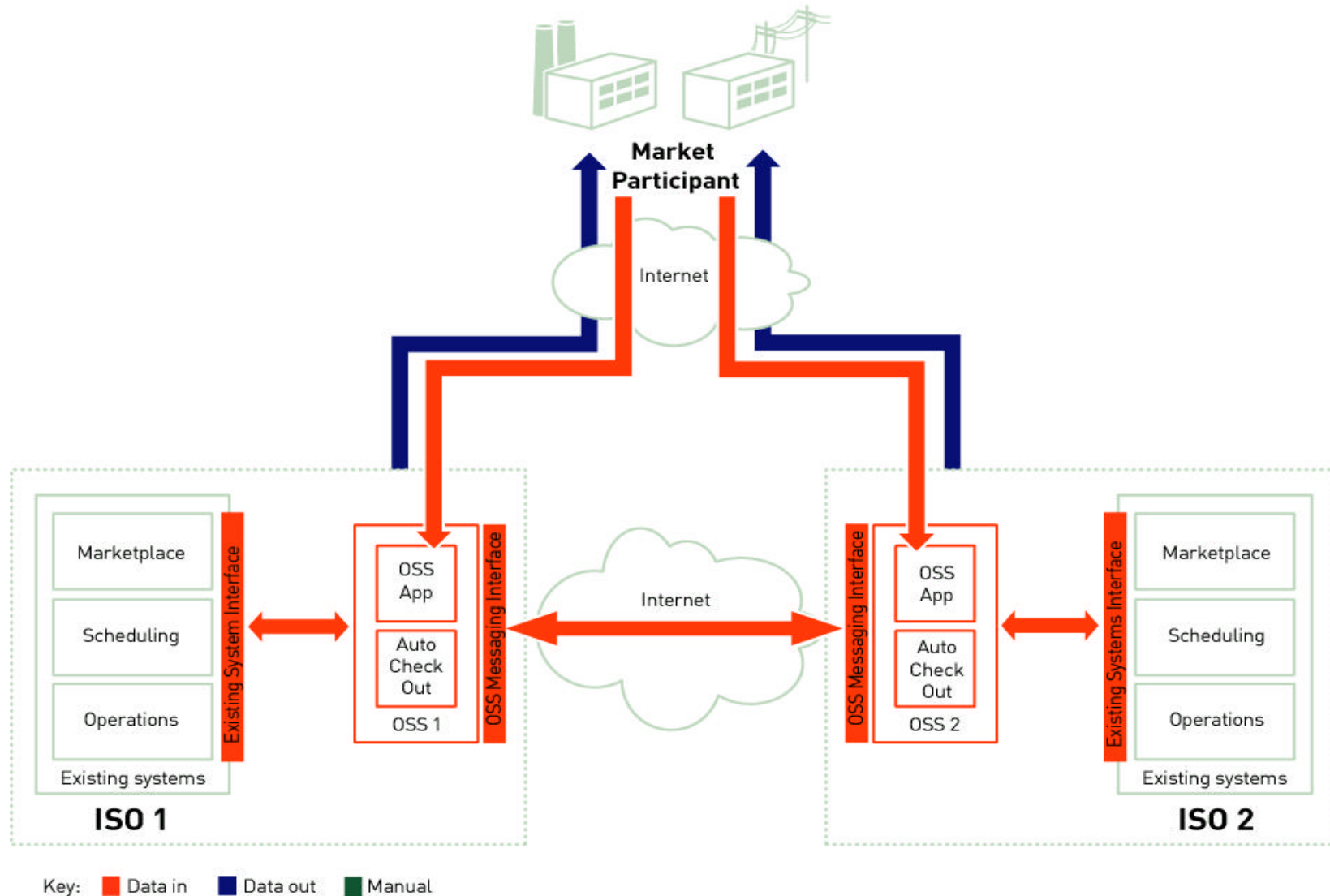
- OSS is comprised of an industry leading set of tools for Market Participants and ISOs/RTOs to interact, trade and communicate within and across Control Areas
- Initially, OSS will provide the ability to:
 - Enter bilateral transaction bids across ISO/RTO borders with a single data entry interface
 - View status from each ISO/RTO
 - View schedules from each ISO/RTO
 - Request transmission and ramp reservations
- Northeast Energy Portal
 - First implementation of OSS architecture at NYISO can evolve to a scheduling portal for all markets in the Northeast

Current Process



Key: █ Data in █ Data out █ Manual

OSS Conceptual Model



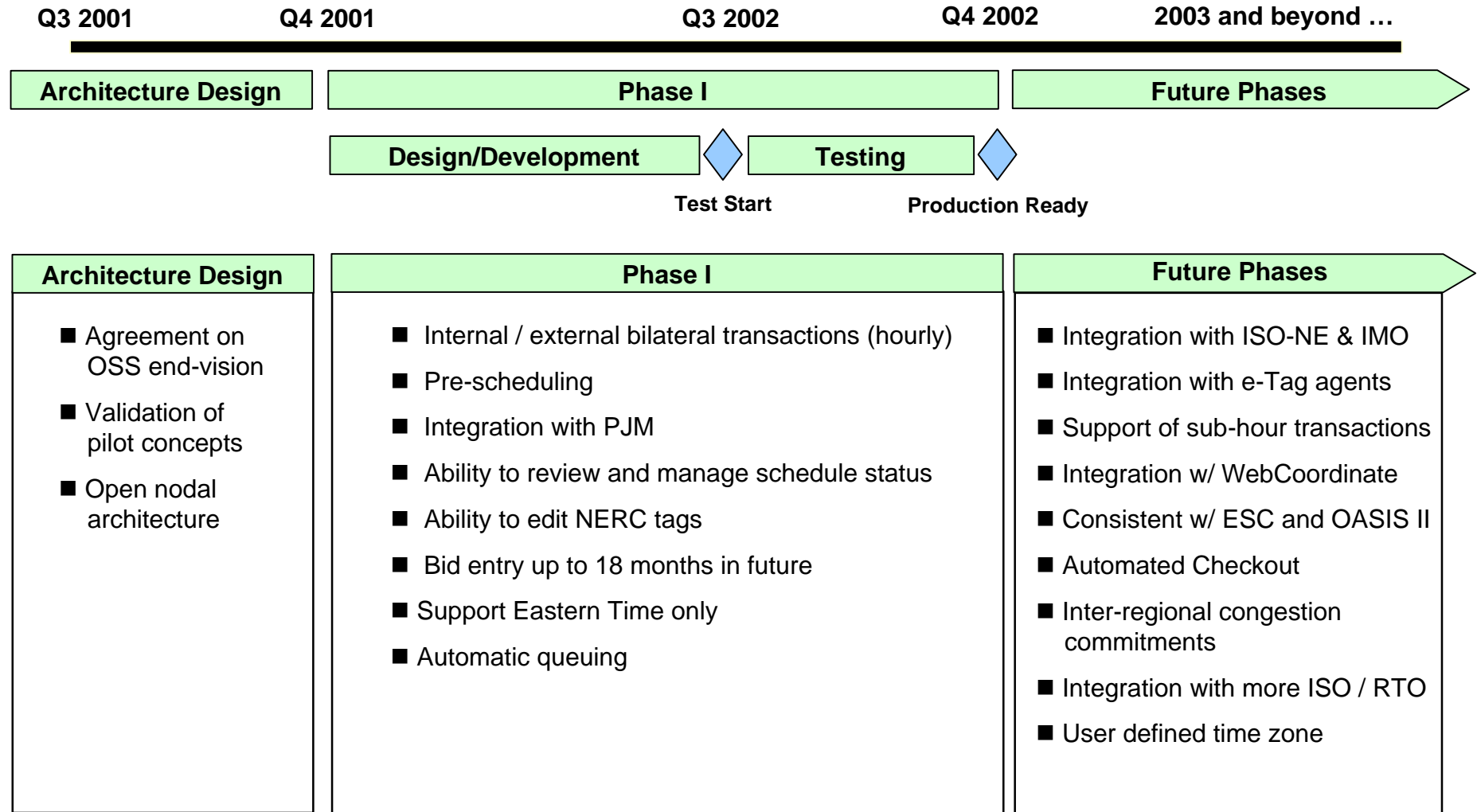
Technical Benefits of OSS Architecture

- Open, scalable, and robust architecture
 - XML Messaging standard designed
 - Designed for easy adoption by other ISO/RTO
 - Leverages open, enterprise class technologies
 - Aligned with FERC Order 2000 concerning open architectures
 - Easily accommodate FERC SMD
- Leverages existing investments
 - Designed to interact with marketplace application of any ISO/RTO while providing an integrated platform for inter-Control Area transactions
- Allows ISO/RTO to tailor interface for their customers

Benefits to the Market

- Data consistency across ISOs / RTOs
- Single point of entry
- Node-to-node model accommodates different market models, including business process, timing, ramp rate, etc.
- More efficient inter-control area checkout processes

Project Timeline



In Summary

- Open, platform independent design that is consistent with FERC Order 2000
- OSS is an application that can be easily adopted by other ISOs/RTOs with minimal change to existing systems
- Addresses critical Inter-Control Area transaction seams issues with minimal impact on current MP processes
- Based on requirements gathered from MPs with input from ISO/RTO
- Defines a communication protocol between ISOs/RTOs

Questions ...