

Demand Response Information System RFP Overview

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RFP Overview

- ◆ Sent to vendors on Dec. 22, 2008
- ◆ RFP Sections
 - *Description of current Demand Response Program administration*
 - *Proposed System Requirements*
 - Data Model
 - User Roles
 - Functional Process Flows
 - *Vendor Instructions*
 - *Vendor Response Workbook*
 - Provides space for detailed response to specific functional requirements
 - *Evaluation Criteria*

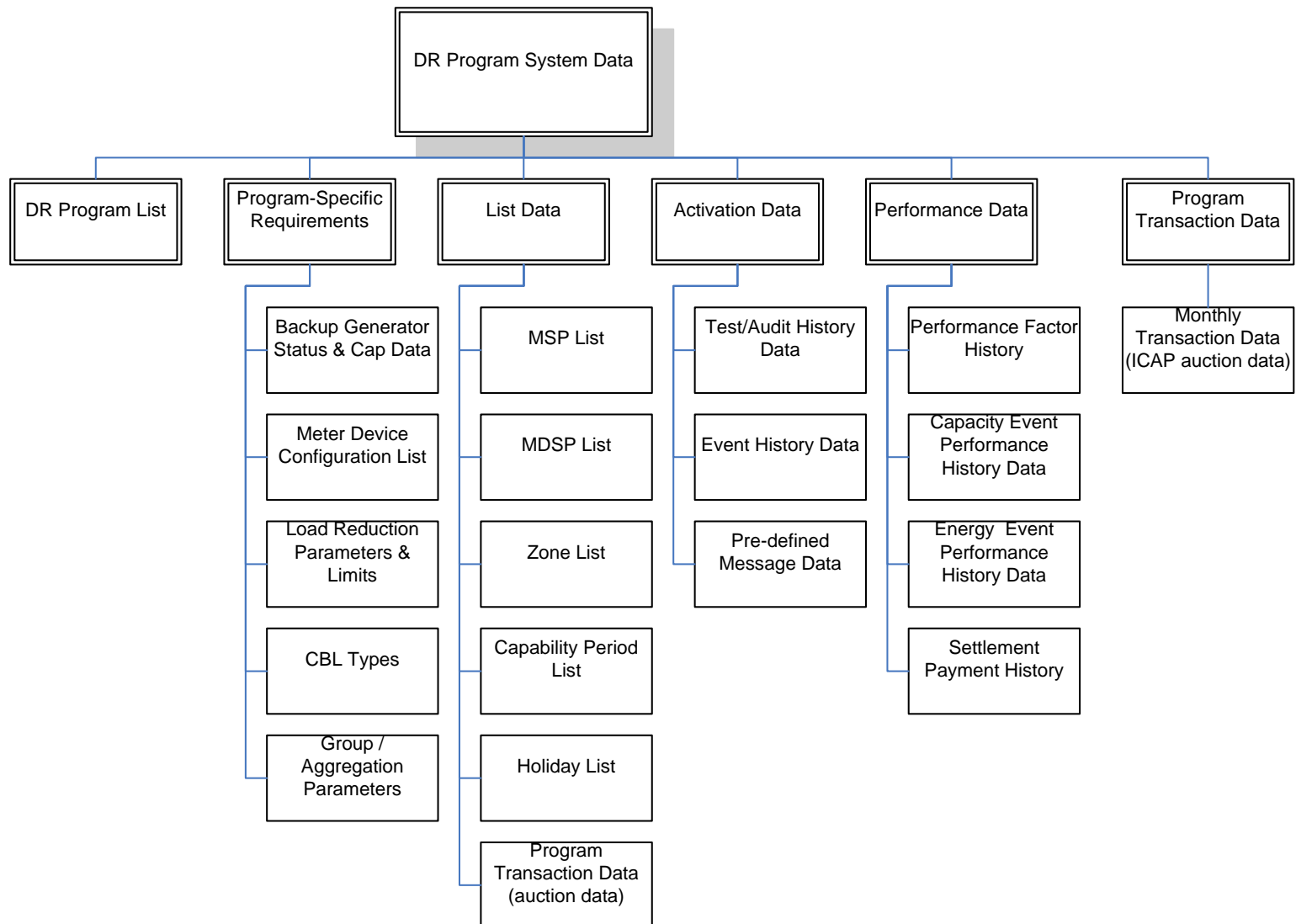
RFP Timeline

Function	Date
Request for Proposal sent to vendors	Monday, December 22, 2008
Vendor Intent to Respond Form	Monday, January 5, 2009
Vendors submit questions to NYISO	Friday, January 9, 2009
NYISO returns consolidated list of questions to vendors	Tuesday, January 13, 2009
NYISO teleconference to answer vendor questions	Thursday, January 15, 2009
RFP responses due to NYISO	Monday, January 26, 2009
RFP status notice to vendors	Monday, February 9, 2009
RFP finalist presentations	Week of February 23, 2009
Vendor selection	By end of First Quarter 2009

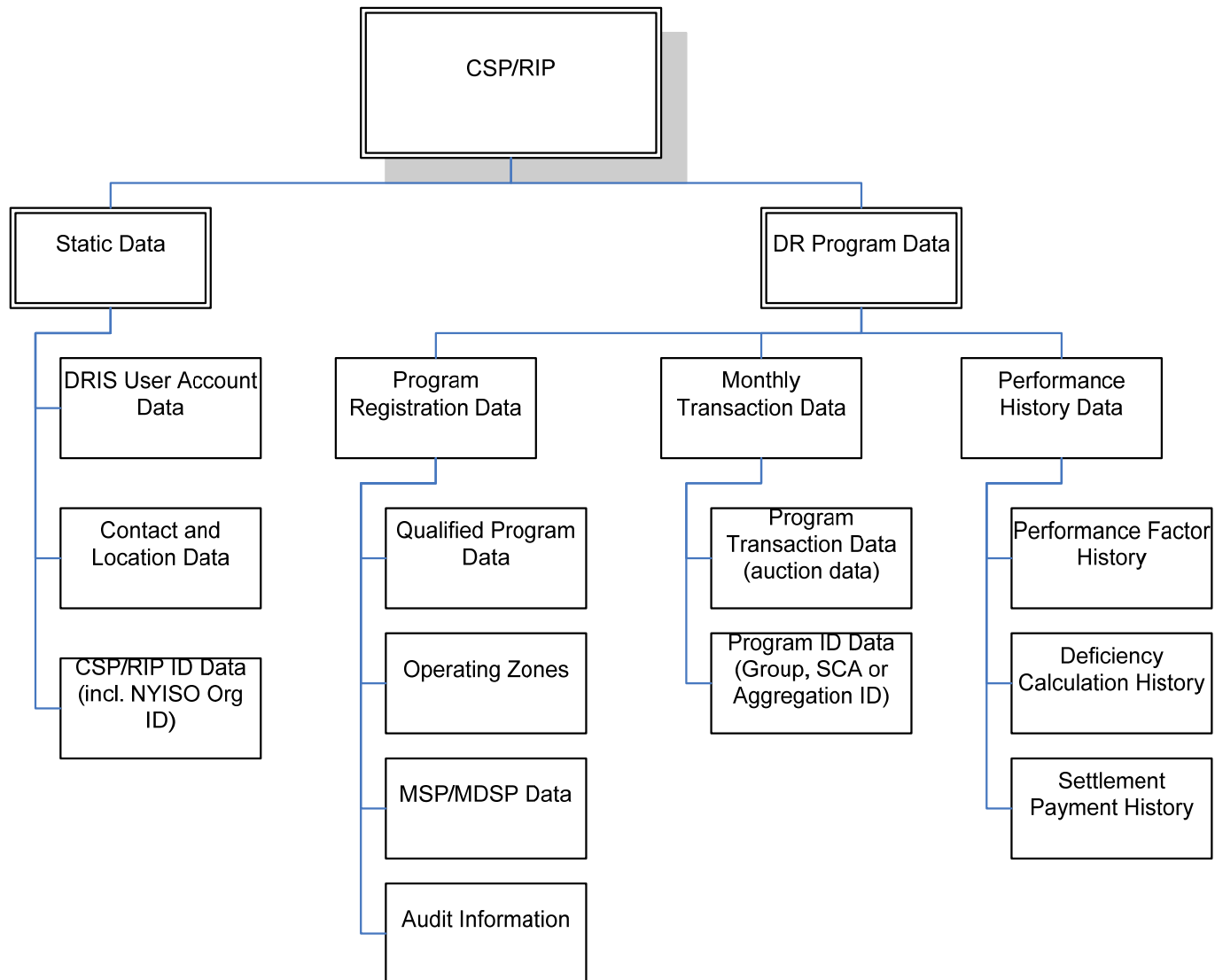
Data Models

- ◆ Illustrate type of data required for different entities within the system
- ◆ Three data models:
 - *DR Program System Data*
 - Any data to support the configuration, business rules or basic operation of the system
 - *CSP/RIP Data*
 - Characteristics of data about a CSP/RIP registration in the system
 - *Resource Data*
 - Data that is associated with a Resource
- ◆ Brief descriptions of each data type are included with each data model

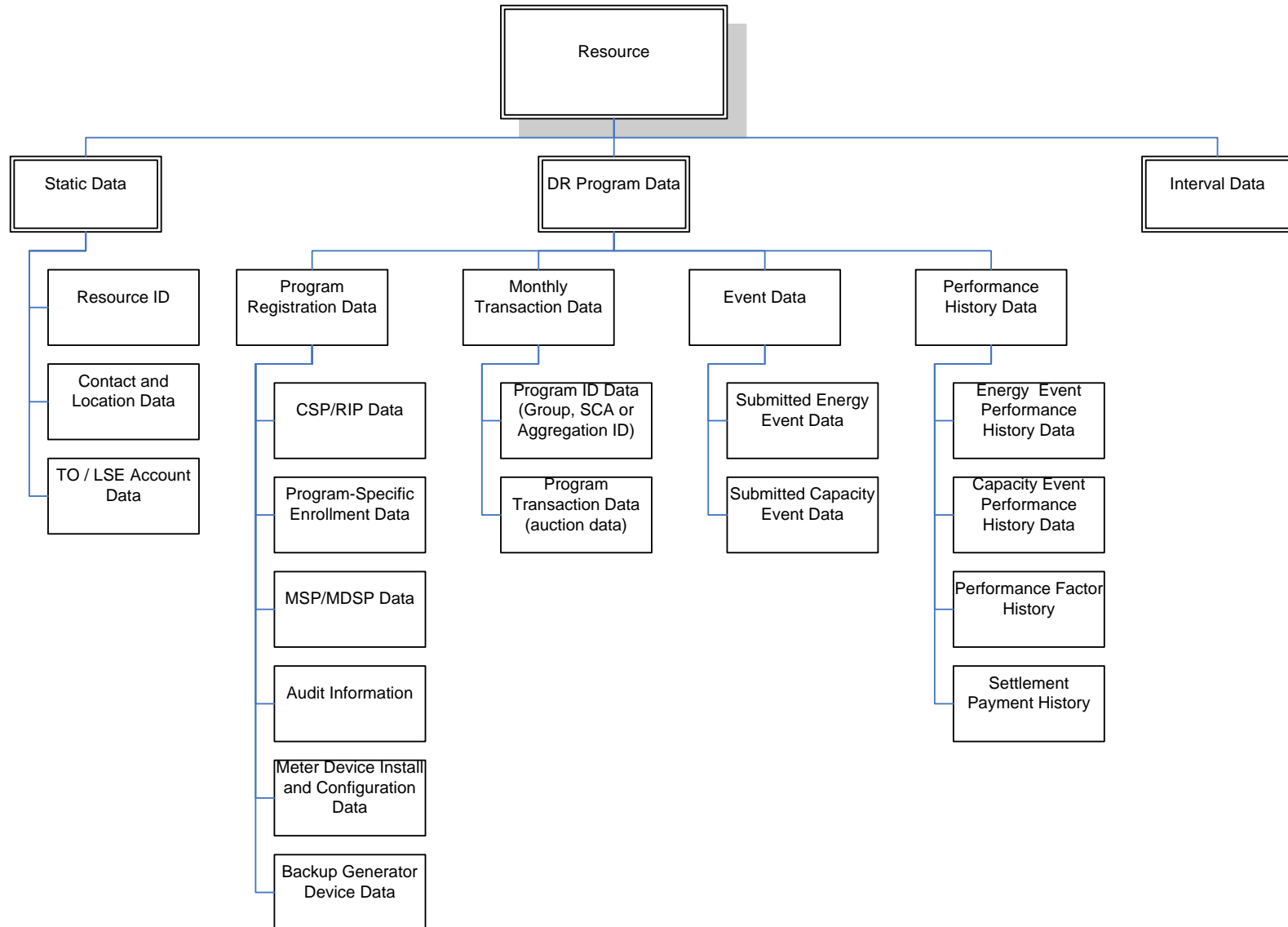
Data Model – DR Program System Data



Data Model – CSP/RIP Data



Data Model – Resource Data



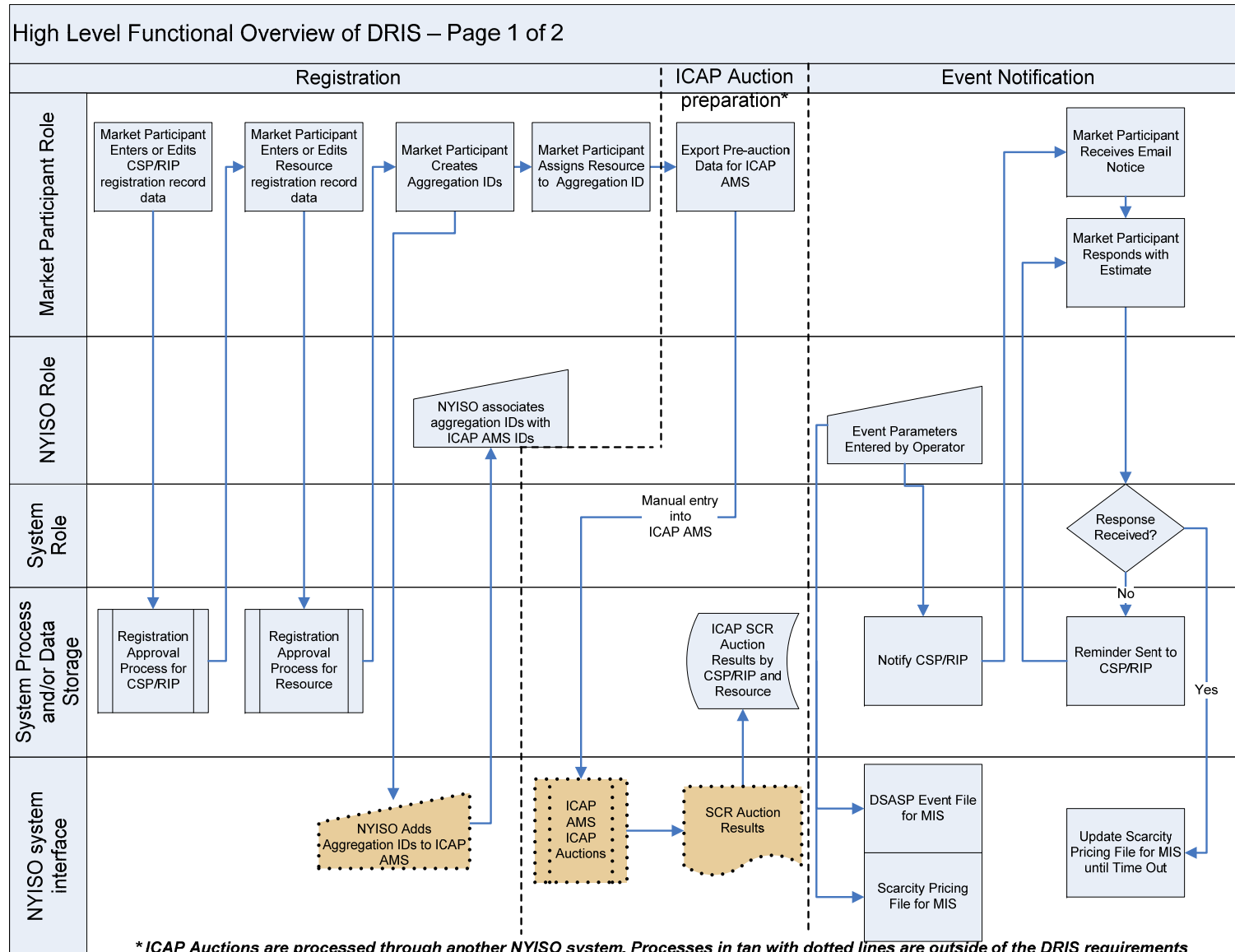
DRIS Users

- ◆ **NYISO User Roles**
 - **Administrator**
 - **Observer**
 - **Operations Department**
- ◆ **Market Participant User Roles**
 - **Administrator**
 - **Event Responder**
 - **User**
 - **Observer**

Functional Data Flows

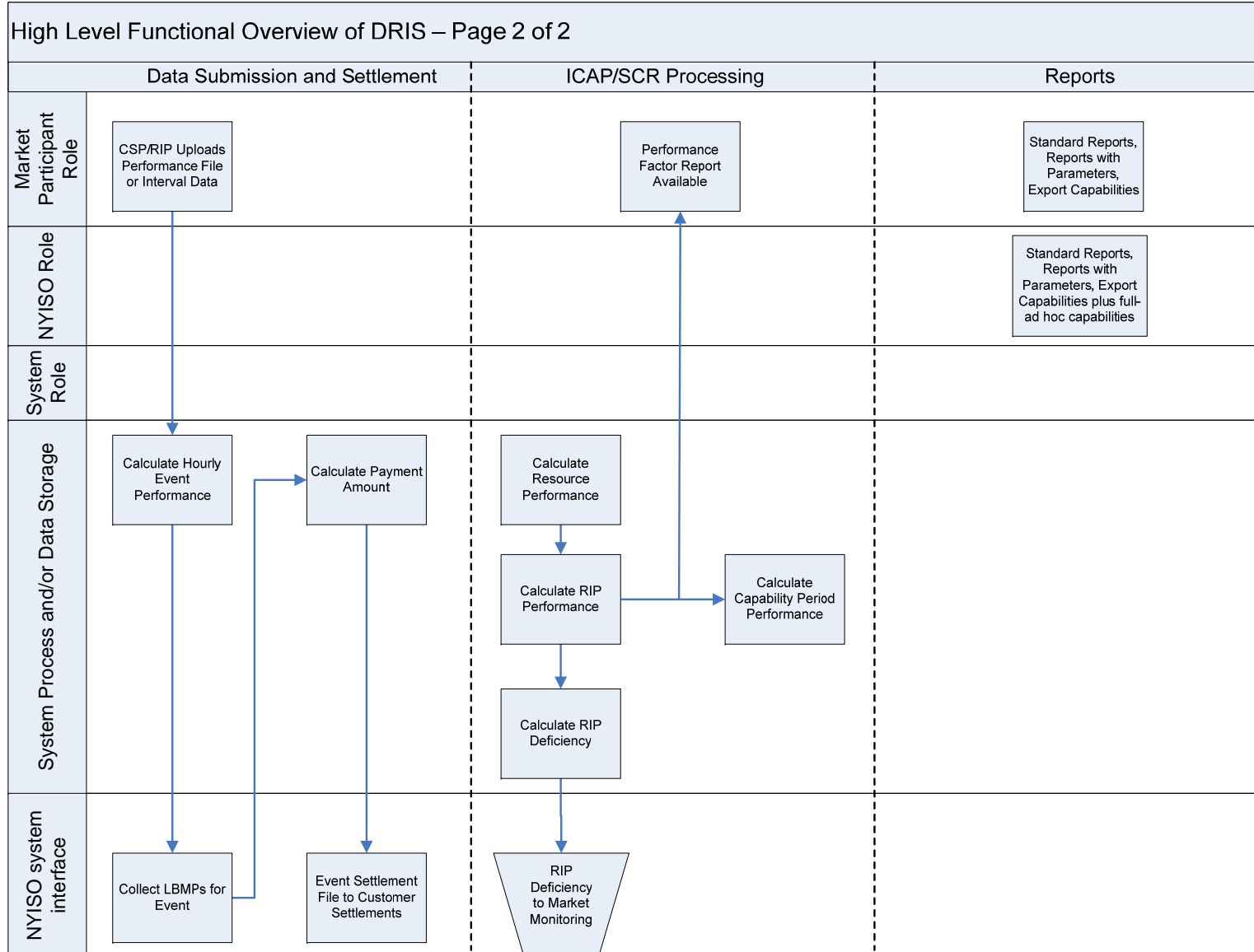
- ◆ **Actors/Roles** - who is interacting with the system for a given process.
 - ***Market Participant Role***
 - any processes, tasks, or interfaces which the Market Participant controls or receives
 - ***NYISO Role***
 - any processes, tasks, or interfaces which the NYISO users control or receive
 - ***System Role***
 - any processes involving automated functions such as calculated fields, lookups, etc.
 - ***System Process and/or Data Storage***
 - any processes that evaluate, change and/or save the data
 - ***NYISO System Interface***
 - any processes that exchange data between DRIS and a NYISO system

High Level Functional Overview 1



*ICAP Auctions are processed through another NYISO system. Processes in tan with dotted lines are outside of the DRIS requirements

High Level Functional Overview 2



Detailed Functional Overviews 1

- ◆ System Logins
- ◆ Define DRIS Users
- ◆ Registration Processing – New CSP/RIP
- ◆ Edit CSP/RIP Registration
- ◆ Registration Processing – New Resource
- ◆ Edit Resource Registration
- ◆ Registration Approval Process – CSP/RIP
- ◆ Registration Approval Process - Resource

Detailed Functional Overviews 2

- ◆ Associate Resource with Aggregation ID
- ◆ Re-enrollment – CSP/RIP and Resource
- ◆ Event Notification and Communication Test
- ◆ Data Submission
- ◆ Event Performance Processing – Hourly Energy Reduction Value
- ◆ Event Performance Processing – Hourly Capacity Reduction Value
- ◆ ICAP/SCR Processing
- ◆ Reports

Vendor Response Workbook

- ◆ Vendor Information
 - *Company*
 - *Qualifications/References*
 - *Project Team*
- ◆ Functional Requirements
 - *New or existing functionality*
 - *Plans for inclusion in a future release*
 - *Customization type: configuration, extension, other*
 - *Does not exist*
- ◆ System Architecture
- ◆ System and Site Security
- ◆ Non-Functional Requirements
 - *Configurability, multi-user access, connectivity, availability, data retention and retrieval*
- ◆ Project Timeline
- ◆ Pricing

Evaluation Criteria

<u>Category</u>	<u>Description</u>	<u>Workbook Location</u>	<u>Evaluation Weight</u>
<u>Functional Requirements</u>	Total Evaluation Weight for Functional Requirements	8. Functional Requirements	60
	Demand Response Registration Processing		12
	Event Notification		8
	Reporting		8
	ICAP/SCR Processing		12
	Event Performance, Measurement, and Settlement Preparation		12
	Event and Meter Data Management		8
<u>Non-functional Requirements</u>	Total Evaluation Weight for Non-functional Requirements	9. Non-functional Requirements	25
	Flexible Architecture		5
	Multiple Access / Connectivity Capabilities		5
	Multiple Roles		5
	Availability		5
	Data Retention and Historical Retrieval		5
<u>System and Site Security</u>	Total Evaluation Weight for System and Site Security	7. System and Site Security	15



The New York Independent System Operator (NYISO) is a not-for-profit corporation that began operations in 1999. The NYISO operates New York's bulk electricity grid, administers the state's wholesale electricity markets, and provides comprehensive reliability planning for the state's bulk electricity system.

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