



Demand Response Information
System (DRIS)
June Deployment

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Price Responsive Load Working Group Meeting
Rensselaer, NY
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Agenda

- ◆ DRIS Overview
- ◆ DRIS Deployments
- ◆ June 2010 Deployment
 - *Market Participant Operations*
 - SCR and EDRP
 - Immediately after Deployment
 - For August auction and beyond
 - Summary
 - *Auxiliary Market Operations Functions*
 - *Preparation activities*
 - Training
 - Market Trials

DRIS Overview

- ◆ Overall Project Objectives
 - *Automate enrollment of demand resources*
 - *Automate and enhance SCR processing functions*
 - *Provide electronic data submission*
 - *Automate CBL and performance calculations*
 - *Automate settlement processing*
 - *Integrate with other NYISO systems*
- ◆ Benefits to Market Participants
 - *Provide increased control and visibility to demand response resources in the NYISO markets*
 - *Improve processing and administration of demand response enrollments*
 - *Automate manual processes*
 - *Reduce the potential for errors resulting from manual processes*

DRIS Deployments

- ◆ November 2009
 - *Initial deployment – internal release*
 - *Key Functions*
 - Import of DR program enrollments for SCR and EDRP (workbook conversion)
 - Automate monthly processing for SCR
 - Track auction results of SCR aggregations
- ◆ March 2010
 - *Internal release*
 - *Key Functions*
 - Development of screens to manage enrollments and contacts
 - Screens to manage resources
 - Manage allocation of partial auction sales for SCR
- ◆ June 2010
 - *First market-facing release*
 - *Key Functions for Market Participants*
 - Import resource enrollment files
 - View and export resource information
 - Monthly SCR operations
 - Information dashboard
 - View DRIS calendar entries
- ◆ September 2010
 - *Additional market-facing functions*

Market Participant Operations SCR and EDRP

- ◆ Import resource enrollments into DRIS
 - *File format will be different from SCR workbook*
 - File format details will be provided in DRIS User Guide
 - *New import file for EDRP enrollments*
 - *Exceptions report displays for import format errors*
 - *Exception report displays resource record details for fields that fail validation checks*
- ◆ View and export resource information
 - *Export existing resource enrollments to use as basis for new resource enrollments or changes to existing resource enrollments*
 - *View individual resource enrollment records*
 - *Ability to **separate** (disassociate) resources*

Market Participant Operations SCR

- ◆ Monthly SCR Operations
 - *Aggregation Management*
 - Request new aggregation IDs through DRIS
 - Assign resources to aggregations or move resources from one aggregation to another
 - Enter strike price for each aggregation
 - *Download monthly UCAP file from DRIS*
 - No longer sent to Market Participants by Auxiliary Market Operations
 - Availability based on DRIS calendar activity

Market Participant Operations SCR and EDRP

- ◆ Information Dashboard
 - *View import exception details*
 - *View enrollment summary information*
 - Items requiring Market Participant attention
- ◆ View DRIS calendar entries
 - *Displays DRIS-specific calendar activities/deadlines*
 - *DRIS calendar entries control enrollment, aggregation, and UCAP operations for SCRs*
 - Once the DRIS calendar indicates that the submission/adjustment period has closed, no more submissions or changes will be permitted

Market Participant Operations

Immediately Following Deployment

- ◆ Already in DRIS at deployment:
 - *All existing, enrolled SCR resources for the Summer 2010 capability period*
 - *All existing, enrolled EDRP resources for the Summer 2010 capability period*
- ◆ Ability to view DRIS calendar for upcoming activities
- ◆ Ability to view and export resource enrollments
- ◆ View Aggregation assignments
- ◆ Ability to import EDRP enrollment file

Market Participant Operations

August SCR Functions

- ◆ For August auction:
 - *Market Participants are responsible for importing resource file to enroll resources or make changes for August auction processing*
 - Import using the new import file format by the date for resource enrollment activity for August on the DRIS calendar
 - *Market Participant may assign or reassign resources to aggregations and/or adjust the strike price of an aggregation*
 - Due by deadline shown for the aggregation activity for August on the DRIS calendar
 - *Market Participants are responsible for exporting the UCAP report for use in the ICAP auctions for August*
 - Auxiliary Market Operations will no longer be sending out the Market-Participant specific UCAP report
 - Availability of the UCAP file export will be shown on the DRIS calendar

Auxiliary Market Operations Functions

- ◆ Functions handled by Auxiliary Market Operations through existing procedures:
 - *Management of Market Participant contact information*
 - *Resolution of duplicate resource enrollments*
 - *Manual submission of partial auction sales by Market Participants*
 - *Event/Test Notification*
 - *Receipt of event/test data*
 - No change to formats, processes, timeframe
 - *Event/Test performance processing*

Summary of demand response tasks after June deployment of DRIS

Task	Program(s)	Performed by Market Participant in DRIS	Performed by Auxiliary Market Operations
Enroll resources	SCR or EDRP	Via import file	
Review and correct enrollment exceptions	SCR or EDRP	View, correct import file and re-import	
View and export resource information	SCR or EDRP	As needed	
Request new aggregation IDs	SCR	As needed View Aggregation Request screen to get Aggregation IDs	Approves new Aggregation ID requests
Assign or reassign resources to aggregations	SCR	As needed	
Download monthly UCAP file	SCR	Monthly – prior to auction	
Reporting of partial auction sales by resource	SCR		Maintains current procedure
Information Dashboard	SCR or EDRP	As needed	Additional administrative tasks in DRIS
DRIS calendar	SCR or EDRP	View	Creates/edits DRIS calendar entries
Market Participant contact information	SCR or EDRP		Maintains current procedure
Resolution of duplicate resource enrollments	SCR or EDRP		Maintains current procedure
Event/Test notifications	SCR or EDRP		Maintains current procedure
Submittal of event/test data	SCR or EDRP		Maintains current procedure
Event/Test performance processing	SCR or EDRP		Maintains current procedure

Preparation for June Deployment

- ◆ ICAP and EDRP Manual Changes
- ◆ E-mail updates
- ◆ Training
- ◆ Market Trials
- ◆ User Guide

ICAP and EDRP Manual Updates

- ◆ Procedural changes brought about by automation will need to be documented through manual updates, such as:
 - *SCR workbook is replaced by an import file for resource enrollment*
 - *EDRP registration form is replaced by an import file for resource enrollment*
- ◆ Will be brought through respective Working Groups over the next two months
- ◆ Additional manual updates will be required to acknowledge other procedural changes as DRIS capabilities expand

E-mail and Working Group Updates

- ◆ Informational announcements and reminders regarding the June deployment of DRIS will be sent to the PRLWG, ICAPWG and SCR Administrator contact lists
- ◆ Updates will also be provided at each PRLWG and ICAPWG leading up to the June deployment
- ◆ Market Participant feedback on this communication approach will provide guidance for future deployments of DRIS

DRIS Training

- ◆ Scope will be limited to new functionality specific to each deployment
- ◆ Training sessions planned for the June 2010 deployment:
 - *May 13th - PM: In-person and Webex*
 - NYISO Conference Center room 1A
 - *May 18th - AM: Webex only*
 - *May 21th - AM: In-person and Webex*
 - NYISO Conference Center room 1A
- ◆ Registration is required
 - *Minimum of 24-hour advance notice for in-person training sessions*
 - *Send e-mail to Mary Beth Imbarrato at: mimbarrato@nyiso.com and include:*
 - Specific training date
 - Organization name
 - Name, phone and e-mail of each participant and in-person or Webex participation
 - If registering for an in-person session, this information will be used to inform security

Market Trials

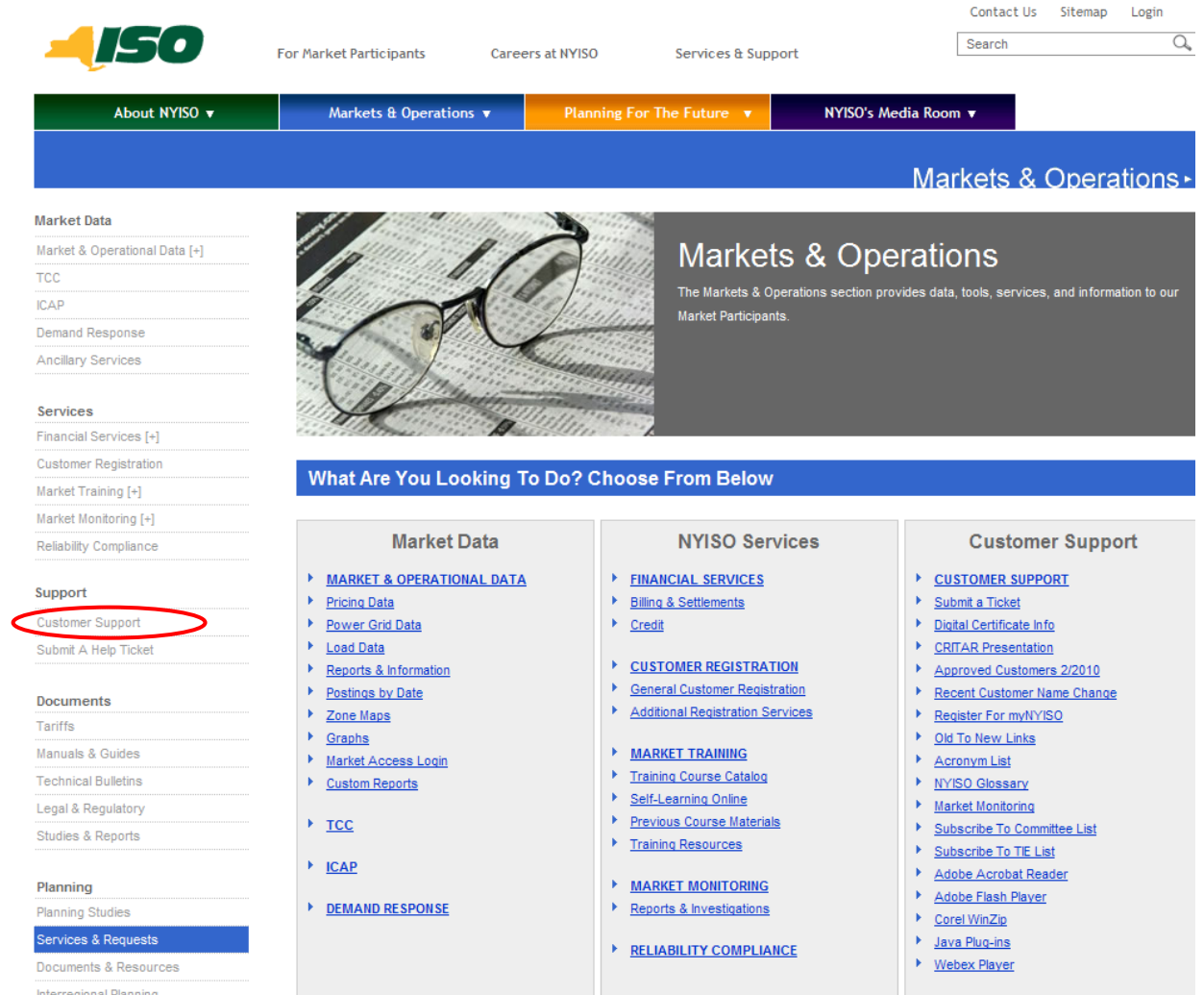
- ◆ Scheduled for May 25th through May 27th
 - *Access will be from 9am to 3pm each day*
- ◆ NYISO Digital certificate is required to participate
 - *If you already have a NYISO Digital Certificate, you do not need to request any special privileges for DRIS Market Trials*
 - *See “Requesting a NYISO Digital Certificate” section of this presentation*
 - *NYISO website link:*
 - <https://cert.nyiso.com/domain-main.xuda?domainID=360b3b3b0a5d87283208f7c29ab7b14711b23b57>
 - *Add “DRIS Market Trials to comments” of request*
 - *Recommend request at least 1-2 weeks in advance of Market Trials*
 - For first-time requestors, requires authorization from Market Participant’s designated Main Contact or MIS Administrator
 - Digital certificate renewals are processed faster
 - *Confirmation from NYISO is sent to each requestor*
 - Digital Certificates are user-specific

Market Trials continued

- ◆ Registration for Market Trials is required
 - *Send e-mail to Mary Beth Imbarrato at: mimbarrato@nyiso.com and include:*
 - Organization name
 - Name, phone and e-mail of each participant
 - Whether the participant has a digital certificate or the date on which it was applied for
 - *Market Trials guideline document will be sent*
 - Includes suggested functions for Market Participants to perform in DRIS
- ◆ To be clarified at DRIS Training:
 - *Contacts for Market Trials*
 - Troubleshooting
 - Issues reporting
 - Submitting Feedback
 - *Market Trials Follow-up*

Requesting a NYISO Digital Certificate

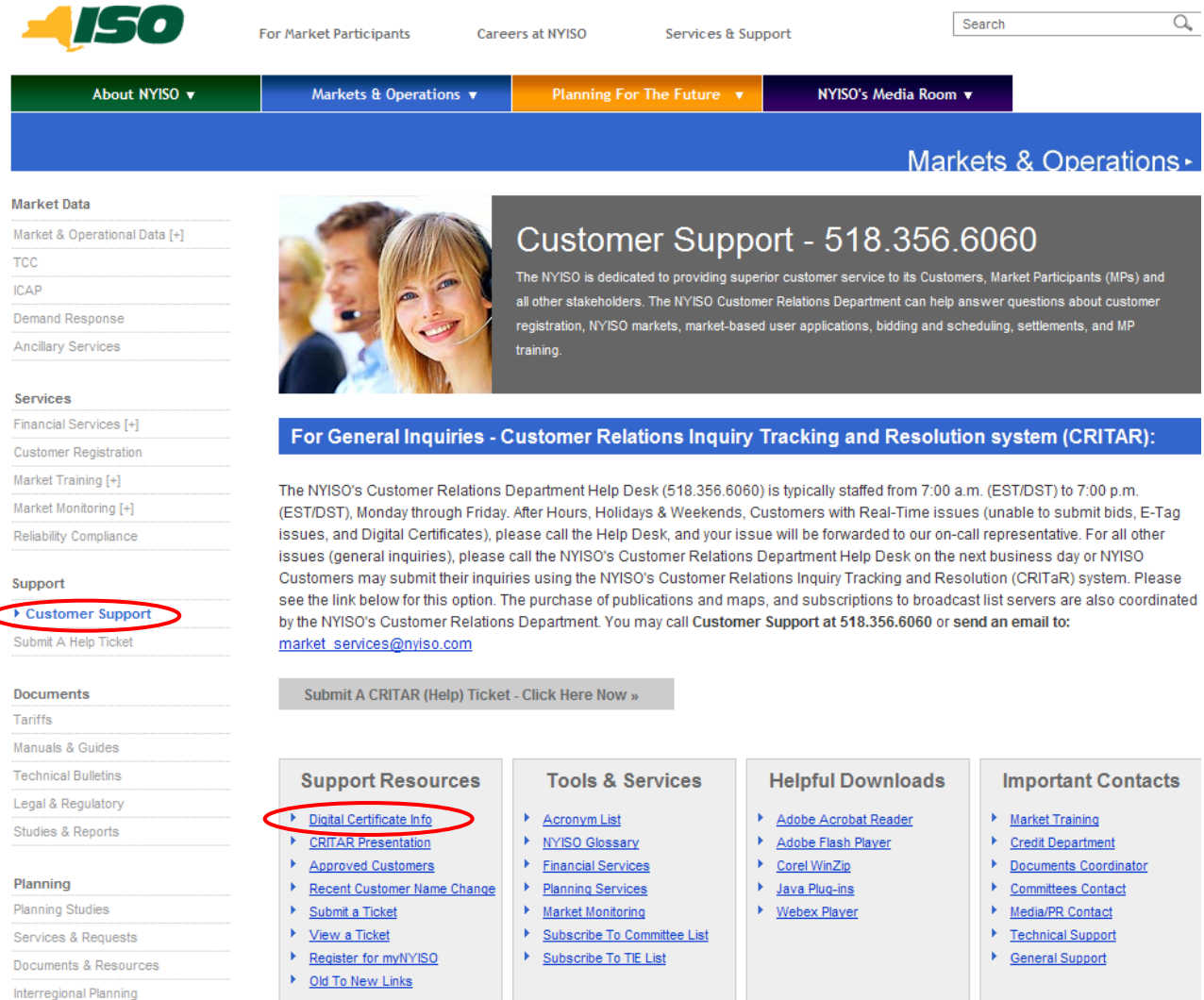
- ◆ On the Markets & Operations page, select **Customer Support**



The screenshot shows the NYISO website interface. At the top right, there are links for 'Contact Us', 'Sitemap', and 'Login', along with a search bar. The main navigation bar includes 'About NYISO', 'Markets & Operations', 'Planning For The Future', and 'NYISO's Media Room'. Below this, a blue banner reads 'Markets & Operations'. The left sidebar contains a list of categories: Market Data, Services, Support, Documents, and Planning. The 'Support' category is expanded, and 'Customer Support' is circled in red. The main content area features a 'Markets & Operations' header with a sub-header 'What Are You Looking To Do? Choose From Below'. This section is divided into three columns: 'Market Data', 'NYISO Services', and 'Customer Support'. The 'Customer Support' column lists various options, including 'Submit a Ticket', 'Digital Certificate Info', and 'CRITAR Presentation'.

Requesting a NYISO Digital Certificate - 2

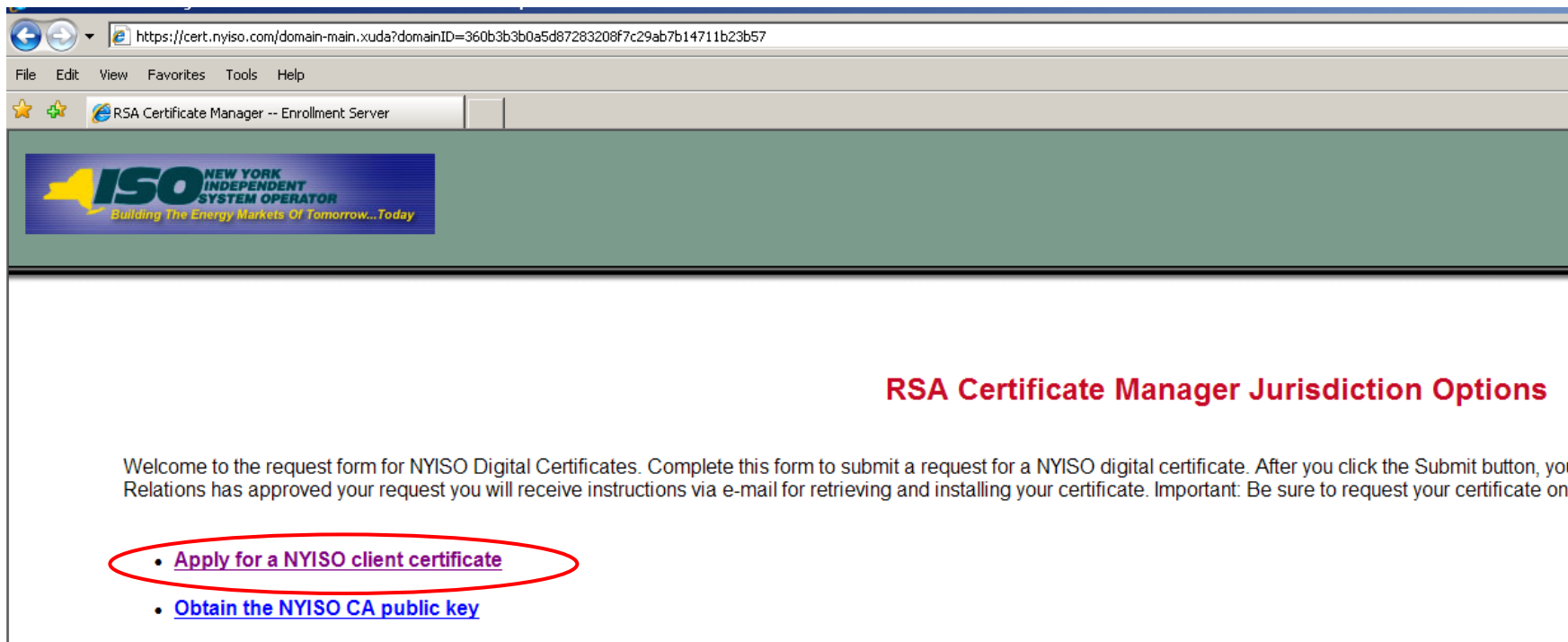
- ◆ Under “Support Resources”, select **Digital Certificate Info**



The screenshot shows the NYISO website interface. At the top right, there are links for 'Contact Us', 'Sitemap', and 'Login', along with a search bar. The main navigation bar includes 'About NYISO', 'Markets & Operations', 'Planning For The Future', and 'NYISO's Media Room'. A secondary blue bar highlights 'Markets & Operations'. On the left, a sidebar menu lists various categories: Market Data, Services, Support, Documents, and Planning. The 'Support' section is expanded, showing 'Customer Support' circled in red. Below this, a 'Submit A Help Ticket' button is visible. The main content area features a 'Customer Support - 518.356.6060' banner with a photo of a smiling woman. Below the banner is a blue bar for 'For General Inquiries - Customer Relations Inquiry Tracking and Resolution system (CRITAR):'. The text below explains the CRITAR system and provides contact information. At the bottom, there are four columns of links: 'Support Resources' (with 'Digital Certificate Info' circled in red), 'Tools & Services', 'Helpful Downloads', and 'Important Contacts'.

Requesting a NYISO Digital Certificate - 3

- ◆ Click on ***Apply for a NYISO client certificate***



The screenshot shows a web browser window with the URL <https://cert.nyiso.com/domain-main.xuda?domainID=360b3b3b0a5d87283208f7c29ab7b14711b23b57>. The browser's address bar and menu bar are visible. The page content includes the NYISO logo and the heading "RSA Certificate Manager Jurisdiction Options". Below the heading, there is a welcome message and a list of two options: "Apply for a NYISO client certificate" (circled in red) and "Obtain the NYISO CA public key".

RSA Certificate Manager Jurisdiction Options

Welcome to the request form for NYISO Digital Certificates. Complete this form to submit a request for a NYISO digital certificate. After you click the Submit button, your Relations has approved your request you will receive instructions via e-mail for retrieving and installing your certificate. Important: Be sure to request your certificate on


- [Apply for a NYISO client certificate](#)
- [Obtain the NYISO CA public key](#)

Requesting a NYISO Digital Certificate - 4

RSA Certificate Manager -- Certificate Enrollment - Windows Internet Explorer

https://cert.nyiso.com/request-msie.xuda?domainID=360b3b3b0a5d87283208f7c29ab7b14711b23b57

RSA Certificate Manager -- Certificate Enrollment



RSA Certificate Manager Certificate Request Form

Welcome to the request form for NYISO Digital Certificates. Complete this form to submit a request for a NYISO digital certificate. After you click the Submit button, your request will be submitted to Customer Relations for approval. When Customer Relations has approved your request you will receive instructions via e-mail for retrieving and installing your certificate. Important: Be sure to request your certificate on the same computer on which you plan to use the certificate.

NOTE: If you choose to make a request on a smart card and encounter a message that says, "No request was made.", it might be because the smart card is full. Try deleting a private key (and its corresponding certificate) that you don't need anymore from the card, then make the request again.

The Certificate Request

Please enter your personal information below. This information will be placed into your certificate request.

Your Name: R

E-mail Address: R

Your Company: R

Phone: R

Additional Comments (Browser type/version, name of MIS Admin, notes):

Cryptographic Service Provider:

Key size (in bits):

- ◆ Complete the ***Certificate Request*** form
- ◆ Remember to add ***"DRIS Market Trials"*** in Additional Comments
- ◆ Click on Submit



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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