

Demand Response Information
System (DRIS) Training for
January 2011 Deployment
Part 1 – Introduction to DRIS

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New York Independent System Operator

January 6, 2011 9:00 am – 11:00 am

January 11, 2011 1:00 pm – 3:00 pm

Rensselaer, NY

Training Topics

- ◆ Part 1: Introduction to DRIS
 - *DRIS User Requirements*
 - *User Privileges*
 - *Access to DRIS*
 - *Additional Tools*
- ◆ Part 2: Updates to Existing DRIS Functionality
 - *Enrollment Files*
 - *DRIS Screens*
 - *Additional Updates*
- ◆ Part 3: Market Participant Performance Factor
 - *Contributing Resource Performance Factors*
- ◆ Part 4: SCR Resources with Potential Offer Floor Price
 - *Identify Resources*
 - *View Offer Floor Details*
- ◆ Part 5: DR Events
 - *View Event and Test Details*
- ◆ Part 6: Event Responses
 - *Import Event Responses*
 - *View Responses*
 - *View Payment Details*
- ◆ Part 7: Deployment
 - *Additional Training Sessions*
 - *Deployment Activities*

DRIS User Requirements

- ◆ NYISO Digital Certificate
 - *Steps to NYISO website page:*
 - Markets & Operations ->Customer Support ->Digital Certificate Info
 - *NYISO website link:*
 - <https://cert.nyiso.com/domain-main.xuda?domainID=360b3b3b0a5d87283208f7c29ab7b14711b23b57>
- ◆ MIS User Account
 - *Contact your MIS Administrator*
 - *Request DRIS privileges*
 - DRIS Web UI MP User
 - Read and write capabilities
 - DRIS Web UI MP Read-Only User
 - Read-only capabilities

DRIS User Privileges

- ◆ Assign one User Privilege to each user
- ◆ DRIS Web UI MP *Read-Only User*
 - *View, track, and extract from the system data specific to the user's organization, including organization enrollment, contact data and performance factor and data specific to the organization's resources, including resource enrollment, aggregation, strike price, UCAP, allocation of partial sales data, resource event responses, and resources which may be subject to an offer floor price (as applicable based on the program(s) in which the organization has enrolled resources).*
- ◆ DRIS Web UI MP *User*
 - *All rights conferred by the DRIS Web UI MP Read-Only User privilege plus enroll organization and maintain organization contacts, enroll and re-enroll resources; separate resources from a portfolio; cancel pending enrollment requests; submit resource event responses and, for SCR resources, establish and manage aggregations and strike prices, download UCAP values, and allocate partial sales.*

DRIS User Privileges

DRIS Function	DRIS Web UI MP User	DRIS Web UI Read-Only MP User
Enroll Resources	X	
View Resource Data	X	X
Request Aggregation	X	
Manage Resource Aggregation Assignments	X	
View Aggregation Assignments	X	X
Manage Strike Prices	X	
View Strike Prices	X	X
Export UCAP Values	X	X
View Auction Sales	X	X
Allocate Partial Auction Sales	X	
View SCR Resource Offer Floor Details	X	X
View DR Event or Test Details	X	X
Import Resource Event Responses	X	
View Event Response Data	X	X
View Payment Details	X	X
Export Event Payment Details	X	X
View Organization Program Data	X	X
View Organization SCR Program Performance Factor	X	X
Manage Organization Contacts	X	
View Organization Contacts	X	X

Access to DRIS

- ◆ NYISO Market Access Login
 - http://www.nyiso.com/public/markets_operations/market_data/market_access_login/index.jsp
- ◆ ICAP Market Page
 - http://www.nyiso.com/public/markets_operations/market_data/icap/index.jsp
- ◆ Demand Response Page
 - http://www.nyiso.com/public/markets_operations/market_data/demand_response/index.jsp

NYISO Market Access Login

http://www.nyiso.com/public/markets_operations/market_data/market_access_login/index.jsp

Markets & Operations >

- Market Data
 - ▼ Market & Operational Data
 - Pricing Data
 - Power Grid Data
 - Load Data
 - Reports & Information
 - Postings by Date
 - Zone Maps
 - Graphs
 - Market Access Login**
 - Custom Reports
 - TCC
 - ICAP
 - Demand Response
 - Ancillary Services
- Services
 - Financial Services [+]
 - Customer Registration
 - Market Training [+]
 - Market Monitoring [+]
 - Reliability Compliance
- Support

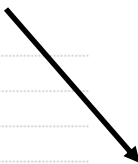
Market Access Login

Pricing Data	Power Grid Data	Load Data	Reports & Info	Postings by Date	Maps	Graphs	Market Access Login
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Market Access Logins

<p>Bidding & Scheduling</p> <ul style="list-style-type: none"> ▶ * Marketplace Login (User & Admin) ▶ * Bidding & Scheduling Upload/Download <p>Settlement Data Exchange</p> <ul style="list-style-type: none"> ▶ * SDX Upload/Download ▶ * Marketplace Login (User & Admin) ▶ SDX User's Guide <p>ICAP Automated Markets</p> <ul style="list-style-type: none"> ▶ * User Login ▶ * ICAP Upload/Download ▶ ICAP Automated Market User's Guide <div style="border: 2px solid red; padding: 5px;"> <p>Demand Response Information System</p> <ul style="list-style-type: none"> ▶ * User Login ▶ DRIS User Guide </div>	<p>TCC Automated Market</p> <ul style="list-style-type: none"> ▶ * User Login ▶ TCC User Documents <p>Decision Support System (DSS)</p> <ul style="list-style-type: none"> ▶ * User Login ▶ * Account Request ▶ DSS Documents <p>Outage Schedule (TOA)</p> <ul style="list-style-type: none"> ▶ * User Login <p>Power Contracts Bulletin Board (IRC)</p> <ul style="list-style-type: none"> ▶ User Login ▶ Information ▶ View as Guest (read only) 	<p>MIS Instructions</p> <ul style="list-style-type: none"> ▶ MIS Work Flows ▶ Market Participant User Guide (MPUG) ▶ Draft Bidding & Scheduling Error Messages <p>Please Note: * Requires A Valid NYISO Digital Certificate To Login</p> <p>Need Help? Got a Question? Should you require any assistance - you may contact the NYISO Customer Support team by clicking on the link below.</p> <div style="text-align: center; background-color: #ccc; padding: 5px; width: fit-content; margin: 0 auto;"> Send An Email - Click Here Now > </div>
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DRIS Login



ICAP Market Page

http://www.nyiso.com/public/markets_operations/market_data/icap/index.jsp

Markets & Operations >

Market Data

Market & Operational Data [+]

TCC

▶ ICAP

Demand Response

Ancillary Services

Services

Financial Services [+]

Customer Registration

Market Training [+]

Market **DRIS Login**

Reliability Compliance

Support

Customer Support

Submit A Help Ticket

Documents

Tariffs

Manuals & Guides

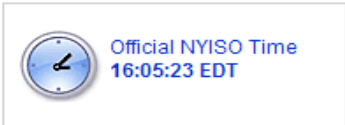
Technical Bulletins

Legal & Regulatory

Studies & Reports

ICAP Data & Information

The New York Installed Capacity (ICAP) market is based on the obligation placed on load serving entities (LSEs) to procure ICAP to meet minimum requirements. The requirements are determined by forecasting each LSE's contribution to its transmission district peak load, plus an additional amount to cover the Installed Reserve Margin. The amount of capacity that each supplying resource is qualified to provide to the New York Control Area (NYCA) is determined by an Unforced Capacity (UCAP) methodology. NYISO ICAP auctions are designed to accommodate LSEs and suppliers' efforts to enter into UCAP transactions. They are open to all registered NYISO customers.



ICAP Resources

- ▶ [View Strip Auction Summary](#)
- ▶ [View Monthly Auction Summary](#)
- ▶ [View Spot Auction Summary](#)
- ▶ [View Default Reference Prices](#)
- ▶ [View Rebate Summary](#)
- ▶ [View ICAP & UCAP Calculations](#)
- ▶ [View Event Calendar](#)
- ▶ [ICAP Working Group Page](#)
- ▶ [Demand Response Information System](#)

ICAP Market Access



Please Note: You will need a digital certificate in order to access ICAP.

[ICAP Market Login »](#)

[ICAP Upload/Download »](#)

ICAP Mailboxes




[DMNC Test Reporting »](#)

[GADS Data Reporting »](#)

[SCR Registration »](#)

ICAP Documents & Resources

ICAP

 Announcements

Filter:

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Demand Response Programs Page

http://www.nyiso.com/public/markets_operations/market_data/demand_response/index.jsp

Markets & Operations >

Market Data

Market & Operational Data [+]

TCC

ICAP

▶ Demand Response

Ancillary Services

Services

Financial Services [+]

Customer Registration

Market Training [+]

Market Monitoring [+]

Reliability Compliance

DRIS Login

Support

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Submit A Help Ticket

Documents

Tariffs

Manuals & Guides

Technical Bulletins

Legal & Regulatory

Demand Response Programs

The NYISO has four Demand Response programs: the Emergency Demand Response Program (EDRP), the ICAP Special Case Resources (SCR) program, the Day Ahead Demand Response Program (DADRP) and the Demand Side Ancillary Services Program (DSASP).

Both the EDRP and SCR program can be deployed in energy shortage situations to maintain the reliability of the bulk power grid. Both programs are designed to reduce power usage through shutting down of businesses and large power users. Companies, mostly industrial and commercial, sign up to take part in the programs. The companies are paid by the NYISO for reducing energy consumption when asked to do so by the NYISO. Reductions are voluntary for EDRP participants. SCR participants are required to reduce power usage and as part of their agreement are paid in advance for agreeing to cut power usage upon request.

The NYISO's Day-Ahead Demand Response Program (DADRP) allows energy users to bid their load reductions, or "negawatts", into the Day-Ahead energy market as generators do. Offers determined to be economic are paid at the market clearing price. DADRP allows flexible loads to effectively increase the amount of supply in the market and moderate prices.

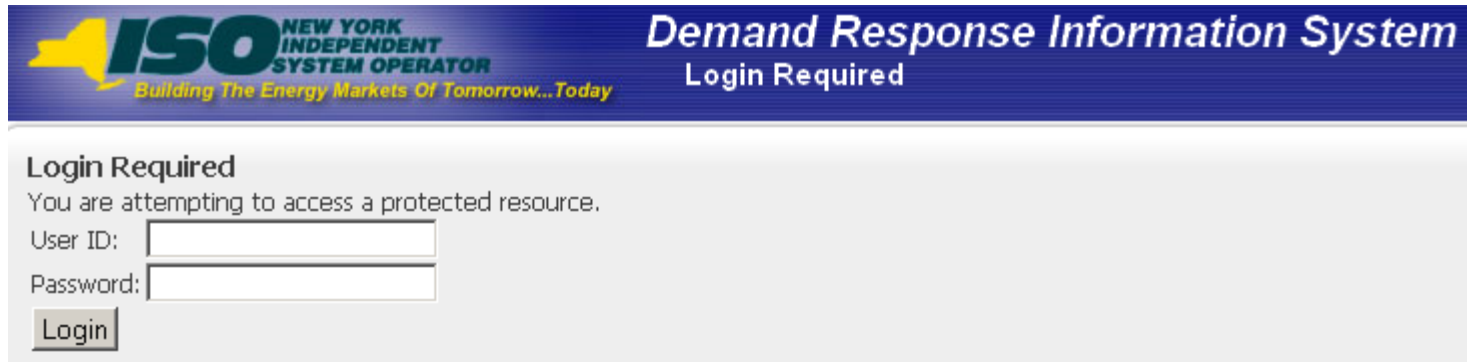
The Demand Side Ancillary Services Program (DSASP) provides retail customers that can meet telemetry and other qualification requirements with an opportunity to bid their load curtailment capability into the DAM and/or Real-Time Market to provide Operating Reserves and regulation service. Scheduled offers are paid the appropriate marketing clearing price for reserves and/or regulation.

EDRP Mailbox »

Login to DRIS »

Demand Response Documents & Resources

DRIS Login

A screenshot of the DRIS (Demand Response Information System) login page. The page has a dark blue header with the ISO logo on the left and the text "Demand Response Information System" and "Login Required" on the right. Below the header, the text "Login Required" is displayed, followed by the message "You are attempting to access a protected resource." There are two input fields: "User ID:" and "Password:". Below these fields is a "Login" button.

ISO NEW YORK INDEPENDENT SYSTEM OPERATOR
Building The Energy Markets Of Tomorrow...Today

Demand Response Information System
Login Required

Login Required
You are attempting to access a protected resource.

User ID:

Password:

Login

- ◆ Click on “User Login” to get to the DRIS General Information page
- ◆ Enter the MIS user name and password
- ◆ DRIS Dashboard is displayed

Additional Training Materials

- ◆ Scope of DRIS Training Sessions are limited to new functionality specific to each deployment

- ◆ DRIS User Guide
 - http://www.nyiso.com/public/markets_operations/documents/manuals_guides/index.jsp
 - http://www.nyiso.com/public/markets_operations/market_data/market_access_login/index.jsp
 - http://www.nyiso.com/public/markets_operations/market_data/demand_response/index.jsp

- ◆ DRIS Deployment Training Materials
 - http://www.nyiso.com/public/markets_operations/market_data/demand_response/index.jsp

DRIS Training Materials

http://www.nyiso.com/public/markets_operations/market_data/demand_response/index.jsp

EDRP Mailbox »

Login to DRIS »

Demand Response Documents & Resources

Demand Response

- Demand Response
 - General Information
 - Reports to FERC
 - Day-Ahead Demand Response Program
 - Emergency Demand Response Program
 - Special Case Resource ICAP Program
 - Demand-Side Ancillary Service Program
 - Summary of Registrations
 - Demand Response Evaluations
 - DRIS Training Materials
 - Jan 2011 Deployment
 - Sept 2010 Deployment
 - June 2010 Deployment

Filter: View Details

Type	Document Name	Modified
June 2010 Deployment		
	Part 1 - Introduction	12/02/2010
	Part 2 - Imports and Exports	12/02/2010
	Part 3 - Resource Import File	12/02/2010
	Part 4 - Post Import Processing	12/02/2010
	Part 5 - Aggregations	12/02/2010
	Part 6 - Other DRIS Operations	12/02/2010
	Part 7 - Training Market Trials Deployment	12/02/2010
September 2010 Deployment		
	1 Introduction to DRIS	12/02/2010
	2 Updates to Existing DRIS	12/02/2010
	3 SCR Auction Sales	12/02/2010
	4 Market Participant Program Data	12/02/2010
	5 Manage Organization Contacts	12/02/2010
	6 Deployment	12/02/2010

Demand Response Links

- ▶ [NYISO Registration](#)
- ▶ [ICAP Working Group](#)
- ▶ [PRLWC Working Group](#)
- ▶ [DRIS User Guide](#)
- ▶ [ICAP Manual](#)
- ▶ [EDRP Manual](#)
- ▶ [DADRP Manual](#)

Additional Tools

- ◆ DRIS SCR Import Template and Partial Sales Reporting Template
 - http://www.nyiso.com/public/markets_operations/market_data/demand_response/index.jsp (Special Case Resource ICAP Program folder)
 - http://www.nyiso.com/public/markets_operations/market_data/icap/index.jsp (Forms folder)

- ◆ DRIS EDRP Import Template
 - http://www.nyiso.com/public/markets_operations/market_data/demand_response/index.jsp (Emergency Demand Response Program folder)

- ◆ DRIS Event Response Import Template (**new for Phase 3**)
 - http://www.nyiso.com/public/markets_operations/market_data/demand_response/index.jsp (Special Case Resource ICAP Program folder)
 - http://www.nyiso.com/public/markets_operations/market_data/icap/index.jsp (Forms folder)
 - http://www.nyiso.com/public/markets_operations/market_data/demand_response/index.jsp (Emergency Demand Response Program folder)



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.

www.nyiso.com