



NAESB Digital Certificate Transition Project Update

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Overview – Why Change

- ◆ Required by FERC Order 676-H
- ◆ North American Energy Standards Board, Public Key Infrastructure (NAESB – PKI)
- ◆ Digital certificates unique to the individual AND organization
- ◆ Increases security and protection of market information systems
- ◆ Must be NAESB Compliant by May 15, 2017

Current Process

- ◆ Digital Certificate issued by NYISO Stakeholder Services as Certificate Authority
- ◆ New users confirmed by MP Main Contact or MIS Administrator
- ◆ Certificates valid for 1 year periods
- ◆ NYISO issued Digital Certificate, User Name and Password required to access NYISO Markets and Applications

VS.

Future Process

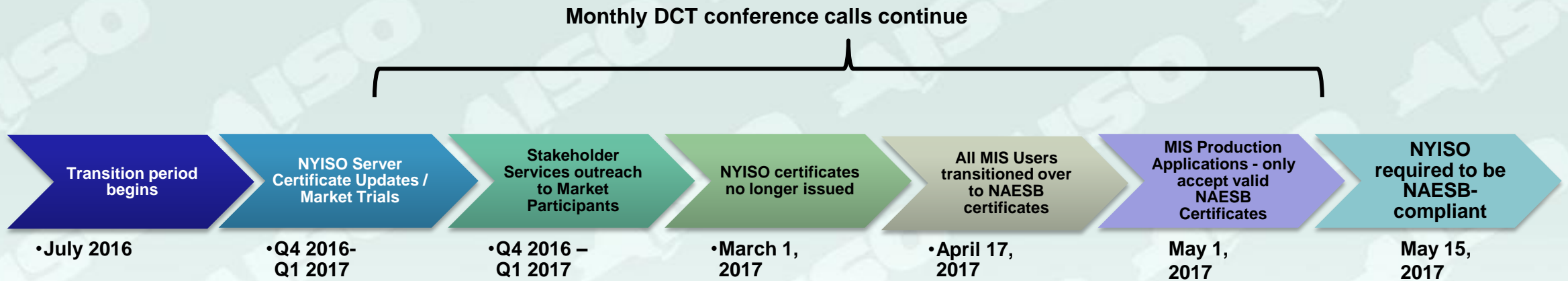
- ◆ Digital Certificate issued by 3rd Party NAESB Authorized Certificate Authority (ACA)
- ◆ Certificates are unique to the user and the organization
- ◆ Certificates validation period may differ based on provider
- ◆ NAESB compliant Digital Certificate, User Name and Password required to access NYISO Markets and Applications
- ◆ NAESB Compliant Certificates from other ISO/RTO may be accepted

Applications To Use NAESB Certs

Acronym	Name	Business Area
CBM	Consolidated Bid Management / Marketplace2	Energy Markets
CMS	Credit Management System: [including the bidpost upload/download interface]	Finance
CSI	Customer Settlements Interface	Finance
DRIS	Demand Response Information System	Demand Response
DSS	Decision Support System	Multiple/IT
GADS Portal	Generation Attribute Data System	Capacity Markets
GFER	Generator Fuel and Emissions Reporting	Energy Markets
ICAP AMS	ICAP Automated Market System	Capacity Markets
IRS	ICAP Reference System	Capacity Markets
JESS	Joint Energy Scheduling System	Energy Markets
RLS	References Level Software	Energy Markets
SDX	Settlement Data Exchange	Finance
TCC	TCC Automated Market	TCC
TOA	Outage Scheduling Application	Energy/ Capacity
	Wind Forecaster	Energy Markets

A NAESB certificate will be required for any application where an MIS or DSS user id is used

Transition Period Timeline



NAESB Certificate Transition – Important Dates

- ♦ March 1, 2017: The NYISO will no longer be issuing NYISO certificates for MIS applications.
 - *If your NYISO issued certificate expires after March 1, a NAESB issued certificate will be required to access your MIS user account.*
- ♦ April 17, 2017: All MP Organizations and All MIS users transitioned to a NAESB issued certificate linked to their user account.
- ♦ May 1, 2017: NYISO Production MIS Application cutover to only accept valid NAESB Certificates. [**NYISO Certificates will no longer be accepted.**]
- ♦ May 15, 2017: The NYISO is required by FERC Order 676-H to be fully NAESB compliant.
 - *eConnect and other non-MIS applications will continue to require a NYISO issued certificate.*

Key Actions and Requirements

- ◆ In order to start using a NAESB PKI Certificate:
 - *Ensure your Market Participant Org (or its Parent) is Registered on NAESB Electric Industry Registry (EIR)*
 - Organization name on the certificate must match the Entity Name registered on the EIR.
 - *Provide NYISO Stakeholder Services your EIR Entity Name/Record ID*
 - *Obtain NAESB PKI Certificate*
 - *Provide a valid ten digit phone number for users in MIS*
 - *Link the Certificates to your MIS User ID via password and PIN*

Market Participant Outreach

NYISO presentations – project overview and status updates

- ✓ *MIWG June 30, 2015 – Initial Digital Certificate Transition (DCT) Intro*
- ✓ *MIWG November 19, 2015 – DCT overview/Announce WebEx Series*
- ✓ *MIWG March 23, 2016 – Update on WebEx Series Status*
- ✓ *MC June 14, 2016 – Digital Certificate Transition Update*
- ✓ *MIWG Aug 4, 2016 – Update on Cert Transition progress*
- ✓ *Customer Focus Group January 27, 2017 – Certificate Project Update*
- *MWIG February 16, 2017 – Certificate Project Update*
- *MC February 22, 2017 – Certificate Project Update*
- *MWIG & MC April 2017 – Certificate Project Updates*

Monthly Technical Calls / WebEx to discuss transition process and IT requirements

- ✓ *14 WebEx sessions held (Dec 2015 – Feb 2017)*
- *Monthly WebEx technical calls to continue through end of transition May 2017*

Current Status and Next Steps

- ~45% of MPs have completed transition process
- MP Market Trials Environment available for testing until February 24th.
- NAESB Digital Certificate Transition Tutorial available on NYISO website for MP use
http://www.nyiso.com/public/services/market_training/online_resources/NAESB-Digital-Certificate/player.html
- Targeted email and phone communications to MPs and MIS users who have not completed transition process
- Contact Stakeholder Services for assistance

Questions ???