

MPI Portalization Project

Prepared by:
Won Choi
IT&I – Market Operations & Forecasting Systems



- Review/Summary of registration process for non-PKI access
 - Portal Energy Market (MPI)
 - IDK 3.3
- Portal Energy Market (MPI) demonstration
- Summary of required IDK coding changes

- MPI integration within IESO Portal
 - Single sign-on with IESO Portal account
 - No more digital certificates
 - Will be accessible under “Energy Market”
- Current existing MPI is supported until end of 2011
 - Parallel run of portalized & current MPI
- MPI within portal available as of Oct 12

Scenarios:

- MP has IESO Portal account & digital certificate
 - MP has been added to Energy Market group in IESO Portal as part of EDAC deployment
- MP does not have IESO Portal account but has digital certificate
 - IESO Portal account and password will be issued as part of EDAC deployment by Customer Relations or Market Entry

Scenario

- MPs who use PKI digital certificate
 - PKI based IDK 3.2 and IDK 3.3 can both be used until end of the year.
- MP wishes not to use PKI digital certificate
 - Must use IDK 3.3
 - Request IDK userid/password from IESO
(not same as portal account)
 - MP must provide an IP address that IESO sees
- **All MPs must switch to non-digital certificate IDK3.3 by the end of the year**

- New Participants in Energy Market
 - To participate in IESO administered market, must go through registration process via Market Entry
 - IESO Portal account in addition to digital certificate will be provided until EDAC deployment (Oct 12, 2011)
 - After EDAC deployment (Oct 12), only IESO Portal account will be given

Scenario

- PKI digital certificate authentication
 - Market Entry will issue PKI certificates until EDAC is deployed (Oct 12)
 - PKI based IDK 3.2 and IDK 3.3 can both be used until end of the year
- Username/Password authentication (non-PKI)
 - Must use IDK3.3
 - IDK userid/password will be issued by IESO (not same as portal account)
 - MP must provide an IP address that IESO sees

All MPs must switch to IDK3.3 by December 31, 2011

- Demo

- Ensure that workstation meets technical requirements:
 - EDAC Release Plan
 - http://www.ieso.ca/imoweb/it_changes/releaseCalendar.asp
 - Participant Technical Reference Manual
 - http://www.ieso.ca/imoweb/pubs/ptrm/ptrm_ptrmManual.pdf
 - Energy Market GUI Guide
 - http://www.ieso.ca/imowebpub/201108/IMO_GDE_0003_v13.1.pdf
 - Market Participant Interface Training Manual
 - <http://www.ieso.ca/imoweb/pubs/training/MPI-trainingManual-entire.pdf>

- IDK 3.3 has been available since early 2011
 - 3 MPIRequest constructors: first 2 for PKI based authentication, the third for userID/password
 - <http://www.ieso.ca/imowebpub/201102/sidk3.3.exe>
 - Test application is available (IESOIDK33UIDTest.bat)

MPIRequest Object Parameters

```
MPIRequest( java.lang.String host,
            java.lang.String protocol,
            int port,
            java.lang.String username,
            char[] password,
            int execMode) throws java.io.IOException
```

- Use the following (from IMO_MAN_0023):

Host	mos2.ieso.ca for IESO Production moswebh-beta.ieso.ca for IESO Sandbox
Protocol	https
Port	443
Username	userID@Mpname
Password	Provided password
execMode	Value specifying what environment the code is running in. Since the IDK always runs as an application, use the <code>MPIRequest.APPLICATION</code> literal. Specify one of the field constants labeled Execution mode type constant

- Questions?