

I-SEM Market Trial System Access

Version 5.0



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1 Document Version History

Version	Date	Author	Description of changes
1.0	29/11/2017	I-SEM Programme	Initial Release of I-SEM Market Trial – Technical Bulletin. Effective as of 01 Dec 2017
2.0	12/12/2017	I-SEM Programme	Addition of ECC Member Area URL and additional useful links
3.0	25/01/2018	I-SEM Programme	Update to M7 Market Trial environment access links
4.0	17/04/2018	I-SEM Programme	Update to Section 3.3 to include link to the ETS client v3.1.81 and additional M7 connectivity Details
5.0	16/05/2018	I-SEM Programme	Addition of Section 4 to include updated Toolkit server CA cert for Type 3 communication for the CCQT and PIT Balancing Market Environment.

Table 1: Market Trial – Technical Bulletin, Version History

2 Minimum System Pre-Requisites for Access

The following minimum system pre-requisites apply for Balancing Market, Capacity Market and SEMOpx systems.

Area	Requirement
Internet Access	<ul style="list-style-type: none"> Market Participants must have internet access from their infrastructure
Operating System	<ul style="list-style-type: none"> Windows 7 - 64 bit Windows 10 (<i>Except M7 which will not be supported on Windows 10 until End of 2017</i>)
Other Software	<ul style="list-style-type: none"> MS Excel 2007, 2010, 2013, <i>Formats used .csv and .xlsx (Excel 2007 or later)</i> Adobe Reader Java Version 1.8 _91 or higher
Browsers	<ul style="list-style-type: none"> Internet Explorer 11 or higher
Minimum Hardware Specifications	<ul style="list-style-type: none"> CPU: Intel i5 over 2GHz 8 GB RAM 6 GB Hard drive for installations

Table 2: Minimum System Pre-requisites

Further information is found in the I-SEM Technical Specification Volume B on the [SEMO website](#).

3 Market Access

3.1 Balancing Market

Market System	Interface Type	URL
EirGrid Market Participant Interface (MPI)	Type 2	https://mms.sem-o.com/mpj
Market Participant Web Service	Type 3	https://mms.sem-o.com/mws

3.2 Capacity Market

Market System	Interface Type	URL
Capacity Market Platform	Type 2	https://cmp.eirgrid.com/

3.3 SEMOpx Trading and Settlement Platforms

Market System	Interface Type	URL
ETS	Type 2	ets-simu3.svpx.epexspot.com Port: 4443
ComTrader (M7 client)	Type 2	http://m7trading-test.deutsche-boerse.com/epex-tsim/
M7 Report (Link 1)	Type 2	https://tempsimu1.epex.m7.deutsche-boerse.com:60840 [193.29.81.66:60840]
M7 Report (Link 2)	Type 2	https://tempsimu2.epex.m7.deutsche-boerse.com:60840 [193.29.81.42]
SMSS	Type 2	http://www.ecc.de/ecc-en/member-section

System	Link to Client Software:
ETS	http://www.sem-o.com/ISEM/General/ETS%20Client%20for%20SEMOpx%20(3.1.81).zip

Please note the following:

1. The “M7 Report” is to be used for reporting access only.
2. Access to the FTP server is provided on user level and is administrated by ECC
3. Table 3 below provides further M7 connectivity details. It should be noted that ALL ports should be open in order to the connect to the ComTrader (M7 Client)

ComTrader Profile Server	Internet:	https://exte1.profiles.m7.deutsche-boerse.com:60100/ [193.29.80.34] https://exte2.profiles.m7.deutsche-boerse.com:60100/ [193.29.80.56]
	M7 WebGUI	Internet: https://tempsimu1.epex.m7.deutsche-boerse.com:60840/ [193.29.81.66] https://tempsimu2.epex.m7.deutsche-boerse.com:60840/ [193.29.81.42] Leased Line: https://10.136.148.44:60840/ https://10.136.20.21:60840/
M7 AMQP API	Internet:	tempsimu1.epex.m7.deutsche-boerse.com:50840 [193.29.81.66] tempsimu2.epex.m7.deutsche-boerse.com:50840 [193.29.81.42]
	Leased Line:	10.136.148.44:50840 10.136.20.21:50840
	vhost:	app

Table 3: M7 Connectivity Details

4 Balancing Market Toolkit (CCQT & PIT environment)

Important Notes

1. There is a change to the Server Certificate for continued access to the CCQT/PIT (MPC) environment for the Balancing market. This is described below
2. For continued access to the Market Trial environment only, there is no action at this time. The Balancing Market Toolkit is an optional tool that market participants can use to perform informal interface testing via Type 3 communication with the Balancing Market.

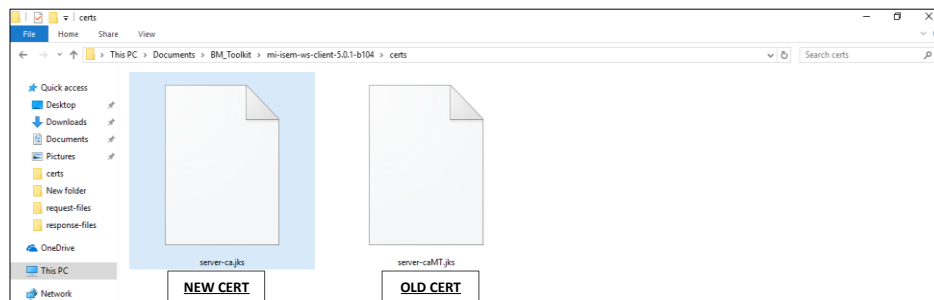
4.1 Toolkit Installation Process Update

If you have previously installed the Toolkit on your PC:

1. Navigate to the Toolkit folder saved on your PC
2. Open mi-isem-ws-client-5.0.1-b104 folder
3. Open certs folder.
4. **Rename** the current server-ca.jks from the directory to server-caMT.jks.
5. **Save the new** server-ca.jks **file** to your certs folder.
 - a. **Do not overwrite current server-ca.jks file, rename the file**
6. Run the toolkit as normal to access CCQT

To alternate between accessing the CCQT/PIT (MPC) and MT environments using the Balancing Market Toolkit, follow the steps below.

1. Navigate to the Toolkit folder saved on your PC.
2. Open mi-isem-ws-client-5.0.1-b104 folder
3. Open the certs folder
4. Rename the server-ca.jks to server-caCCQT.jks
5. Rename the server-caMT.jks to server-ca.jks
6. You may now access the MT environment
 - a. Follow the same steps to facilitate access to the CCQT/PIT (MPC) environment.



If you are installing the Toolkit for the first time:

1. Install required software to meet system pre-requisites detailed in the I-SEM Technical Specification Volume B
2. Download and unpack the toolkit onto the target environment
 - I. For MPC environment – link [here](#)
 - II. For market Trial – link [here](#)
3. Install client certificate

Further details on how to install the Toolkit are available in Section 4.4.1 of Vol. B of the [I-SEM Technical Specification \(ITS\)](#).

Note: EirGrid can also provide the root and intermediate server CA to aid in this configuration change, upon request.

5 Useful Links

Document	Link
I-SEM Technical Specification Release 8	http://www.sem-o.com/ISEM/General/I-SEM%20Technical%20Specification,%20Release%208.zip
I-SEM Technical Specification Release 8 – Supporting Files	http://www.sem-o.com/ISEM/General/I-SEM%20Technical%20Specification,%20Release%208%20-%20Supporting%20Files.zip
I-SEM Market Participant CCQT Guide V3.0	http://www.sem-o.com/ISEM/General/I-SEM%20CCQT%20Market%20Participant%20Guide%20V3.0.zip
I-SEM Market Participant PIT Guide V2.0	http://www.sem-o.com/ISEM/General/I-SEM%20PIT%20Market%20Participant%20Guide%20V2.0.zip
I-SEM Market Trial Participant Guide V3.0	http://www.sem-o.com/ISEM/General/I-SEM%20Market%20Trial%20Participant%20Guide.pdf
ECC Trade and Payment Report	https://www.ecc.de/ecc-en/operations/reporting/15218
I-SEM Technical Liaison Group Meeting 8: NEMO Systems	http://www.sem-o.com/ISEM/General/TLG%20Presentation%2020170126.pdf