

# Market Readiness Assessment Report 10-07-2018

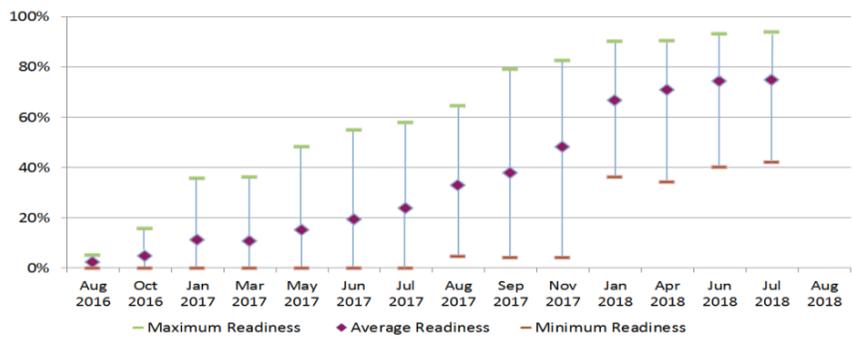
## Comment

The overall picture of Market Readiness continues to improve, building on the advances detailed in last month's Market Readiness Assessment Report. In particular, recent material improvements in the status of the Central Markets Project are reflected in the state of readiness of the Market and System Operators. Fewer impediments to Market Participants' readiness are noted in the survey returns, although a number of common themes continue to be highlighted; these require (and are receiving) ongoing attention. In particular, the need for a minimum period of seven weeks of unscripted trialling with working systems is highlighted, as is the importance of the Market Reports being published on-time and with any material issues addressed. Slippage in the certification of the Balancing Market Engine is noted as being of concern; however, certification is a requirement for go-live and not for the readiness of Market Participants. Other concerns noted are specific to a given Market Participant - for example, those responsible for one or more of the remaining handful of units still to complete registration, or those not having yet completed ETS/M7 testing.

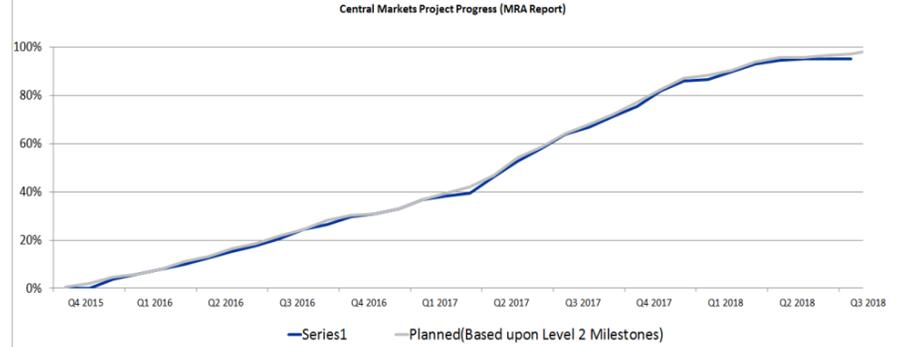
Data Collection Period: 14.06.2018 - 24.06.2018

## Progress

Market Participant Comparative Readiness



Central Markets Project Progress



## Readiness Status by Market and Market Participant Category

	Balancing Market & Imbalance Settlement	Day Ahead & Intraday Markets	Capacity Market	FTR Market
Market Participants (Unweighted Data)	1,2,3,4,7	4, 5		
Market Participants (Weighted by Market Share)	1,2,3,4,7	4,5		
Interconnector Owners				
Meter Data Providers				
System Operators (incl. CM Delivery Body)	2			
Market Operator (incl. NEMOs)	2			
Agent of Last Resort (AoLR)				
Market Trial: Planning and Decision Making				

## Readiness of Legal and Contractual Framework: Central Components

Legislation	Licensing	Grid Code	Rules				
			TSC	AoLR	SEMOpX	CMC	HAR

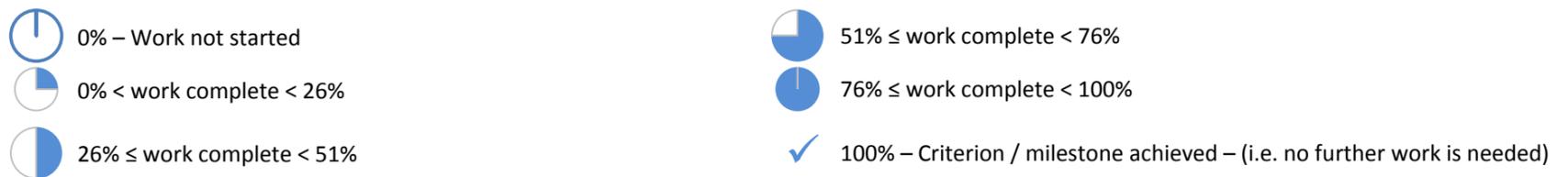
Notes

Comments	Responses
<p>1) A number of Market Participants have advised that 7 weeks of access to a stable, fully functioning central market system enabling the trialling of end to end business processes, operations and overall commercial readiness is a requisite for Go-Live. The delay in Balancing Market Certification is a further concern for participants.</p>	<p>The requirement for a minimum of seven weeks of unscripted trialling with all of the priority defects fixed is fully understood and is being delivered. It was a key determinant in the SEMC's decision to extend the I-SEM Go-Live date to 1 October 2018 in order to provide that trialling to Market Participants. Milestone 175 "All Priority Defects Fixed and Deployed into Market Trial" was consequently introduced via Joint Change Request, JCR362, and subsequently this Milestone was achieved in advance of its 1 June 2018 baseline date. This earlier delivery allowed some time to bed down the systems, improve configurations, and manage data issues in advance of the minimum seven weeks of unscripted trialling commencing in June 2018.</p> <p>The certification of the Balancing Market systems is a requirement for Go-Live, not for Market Trial. The revised timeline has an expected date for 31 July for completion of BM Engine certification (Milestone #9b); two months prior to Go-Live. In the case of certification of the Capacity Market engine, this wasn't actually completed until 24 November 2017 - three weeks before the first Capacity Market Auction.</p> <p>The delay in completing Balancing Market Certification presents a risk to Go-Live, but it does not impact on the readiness of Market Participants. That risk has always existed, but has largely been unquantified; now, given the progress in the amount of certification work completed, the issues are now known and a plan is well progressed for addressing those issues in time to allow certification to successfully complete to meet the I-SEM timeline.</p>
<p>2) Market Participants are concerned that the reports are not being provided on a consistent reliable basis. As a result of this, they are not in a position to complete the data loading that is required for their systems, and therefore are unable to complete their Market Trial testing particularly around forecasting and settlement.</p>	<p>All Incidents impacting on Market Reports during the Market Trial are detailed in the Report Bulletin, updated weekly. The format of this report has been enhanced greatly over recent weeks, with a greater level of detail now provided to better meet the needs of Market Participants. The expected publication time is now also shown, and performance is being tracked against these timings. Incidents under investigation which affect Market Reports are detailed in the Bulletin, as are known defects. Incidents are discussed on the daily Market Trial calls and are managed according the defined process, as they would be in production. Further, if there are any specific issues relating to Market Reports which are not currently reported in the Report Bulletin, we ask that these kindly be forwarded through the formal Market Trial query process, where they will be assessed and addressed in order of priority.</p> <p>As of the 29 June Report Bulletin (v5.0), a small handful of defects persist and a limited number of incidents are being investigated. The vast majority of reports are being provided to the published timeline, and are defect free. Significant improvements have occurred latterly to address known issues with the core Settlement Reports.</p> <p>As of week commencing 9 July, the weekly Market Trial Metrics Report will be enhanced to detail where and how achievement of the 168-Hour Scorecard is being impacted, including any known issues with the Market Reports. This will ensure that the quality of Market Reports, as well as the provision of those reports, is front and centre in any reporting and assessment of readiness.</p>
<p>3) A number of Market Participants have raised concerns regarding the ability of their third-party technology solutions vendor to deliver their system solution on time. Concerns regarding changes to the Market Reports and the Technical Specifications are highlighted, as is the need for an updated Cutover Plan to be delivered by the Central Market Project. The consequential impact on Market Participants during the Market Trials is also noted as being a concern.</p>	<p>The I-SEM Project has, and will continue to, actively engage with Market Participants and their third-party technology providers to ensure timely access to specifications and systems for the development, testing, and deployment of their technology solutions.</p> <p>All known issues with respect to Market Reports have been noted by the I-SEM Project and documented for the Market Participants through a variety of mechanisms, including the High Priority Defect List, the Market Trial Report Bulletin, and the Known issues report of the Consolidated Market Trial Report. Furthermore, during Market Trial Coordinator Group and Programme Manager Group meetings, and onsite one-on-one visits with Market Participants, the I-SEM Project team has engaged in extended conversations with Market Participants about particular reports.</p> <p>The I-SEM Technical Specification was released on 28 March 2018. Small changes are expected in a release for July 2018; these include minor edits to report names, cleansing of the Appendices to Volume C for Charge Codes and Determinants, and clarifications on server certificates when using the Balancing Market Toolkit.</p> <p>The I-SEM Data Publication Guide was last released on 28 March 2018. Additional updates are expected to include the API Specification and Type 2 access to the SEMO and SEMOpx websites. The I-SEM Project will provide an early release of the API Specification as soon as it is available.</p>
<p>4) A couple of participants have raised concerns around Registration, they are concerned that there are a number of units still to be registered.</p>	<p>In May we had 52 units to register and we currently have only 4 units remaining of this 52 units which are left to complete the registration process.</p> <p>The intention was to register the original outstanding units by the end of June 2018. The registration of units in Market Trial is dependent on the validation of a number of registration parameters, the mapping of units within multiple interfaces and the set up of the units firstly in an End to End environment and finally in the Market Trial environment. Delays were encountered during each point of the process such that the outlook moved to the outstanding units being set up in Market Trial by the end of July 2018. It should be highlighted that the mapping required for I-SEM is significantly different to SEM and therefore there are additional steps to be taken before a unit that is registered in SEM can be registered in Market Trial.</p> <p>The registration team will continue to liaise with all stakeholders involved in the registration process to ensure that the above units, and units subsequently registered in SEM, are set up in Market Trial.</p>
<p>5) A number of participants have raised concerns regarding not having completed ETS / M7 testing.</p>	<p>The I-SEM Project Front Office team, is now coordinating all API Conformance Testing with Members and liaising with EPEX. A number of additional dates for testing have been agreed and communicated. To date, all but one of the participants that have completed Conformance Testing have passed.</p>
<p>6) ROI Generator and Supplier Licences are not yet effective, whilst Appeal remains outstanding.</p>	<p>As detailed in the I-SEM Status Report, the Appeal Panel made its Determination on 4 July 2018. The publication of its Determination will allow the current hiatus to be broken, and the Licences to now be progressed to a conclusion. Given the complex nature of the Determination, time is needed to assess the material before a definitive direction can be set. However, the Regulators note that they do not perceive this to be an impediment to I-SEM go-live.</p>

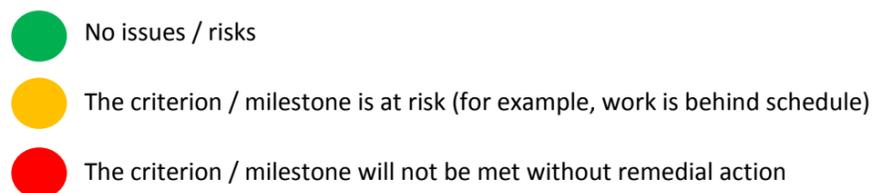
Comments	Responses
<p>7) Some Market Participants have raised the risk of the delay of the NEMO website, which is preventing the testing of their IT systems relating to the DAM &amp; IDM.</p>	<p>The scope for the website delivery in March to meet the Level 2 Milestone 174c was (and has always been) to facilitate the delivery of static reports, which were required for the Market Trial. That Milestone was successfully met. However, pending release of the SEMOpx website functionality for the automatic publication of auctions results and input in the "D+1" timeframe, this process will continue to be based upon a manual load of data.</p> <p>The TSOs continue to work with the website vendor on resolution of some technical security issues with the website hosting; these must first be resolved before the associated functionality can be deployed.</p> <ol style="list-style-type: none"> <li>1. Dynamic reporting;</li> <li>2. API for static reports;</li> <li>3. Content for all static pages;</li> <li>4. Content for dynamic homepages; and</li> <li>5. Automatic processing and upload of SEMOpx auction results and input on the D+1 timeline.</li> </ol> <p>The I-SEM Data Publication Guide was last released on 28 March 2018. Additional updates are expected to include the API Specification and Type 2 access to the SEMOpx website. The I-SEM Project will provide an early release of the API Specification as soon as it is available.</p>

## Harvey Balls & Risk and Issue Status Explanation

Harvey Balls are used to provide a visual summary to rapidly communicate status. The current status of progress towards the achievement of each criterion / milestone is assessed as being at one of the following stages summarised below:



Further, the Harvey Ball is coloured Green, Amber, or Red to summarise the severity of any risk or issues, either current or foreseen relating to the criterion: such issues might include, for example, concerns about the delivery schedule, or concerns about delivering the required functionality:



Readiness Status by Metric and Market Participant Category

Balancing Market & Imbalance Settlement		Market Participants	ICOs	MDPs	Transmission System Operators	Market Operator	EirGrid/SONI as AoLR
<b>Readiness Per Market Participant Category</b>							
A	Readiness of Business Strategy, Planning, and Financial Resources						
B	Readiness of Legal and Contractual Framework: Agreements and Contracts						
C	Readiness of Systems						
D	Readiness of Business Processes and Procedures						
E	Readiness of People and Organisation						
F	Readiness of IT infrastructure and Other Facilities						
G	Registration						
H	Market Trial: Preparation						
I	Market Trial: Management & Reporting						
J	Market Trial: Execution						
K	Deployment of back-end systems to support FTR market						
L	Deployment and Transition to live: Planning & central market processes and systems						
M	Deployment and Transition to live: Market Participants						

Comments		Responses
B1	A number of Market Participants have advised that 7 weeks of access to a stable, fully functioning central market system enabling the trialling of end to end business processes, operations and overall commercial readiness is a requisite for Go-Live. The delay in Balancing Market Certification is a further concern for participants.	Please see the response detailed for Comment #1 on the Summary Page
B2	Market Participants are concerned that the reports are not being provided on a consistent reliable basis. As a result of this, they are not in a position to complete the data loading that is required for their systems, and therefore are unable to complete their Market Trial testing particularly around forecasting and settlement.	Please see the response detailed for Comment #2 on the Summary Page
B3	A number of Market Participants have raised concerns regarding their vendor's ability to deliver the system solution on time due to the number of changes in Market Reports and the delay of Technical Specifications publication and Cutover Plan by the Central Market Project. The delay and changes in systems build are having a knock on impact on Market Participants during the Market Trials.	Please see the response detailed for Comment #3 on the Summary Page
B4	A couple of participants have raised concerns around Registration, they are concerned that there are a number of units still to be registered.	Please see the response detailed for Comment #4 on the Summary Page

Readiness Status by Metric and Market Participant Category

Day-Ahead & Intraday Markets		Market Participants	ICOs	MDPs	Transmission System Operators	Market Operator (incl. Nemo)	EirGrid/SONI as AoLR
<b>Readiness Per Market Participant Category</b>							
A	Readiness of Business Strategy, Planning, and Financial Resources						
B	Readiness of Legal and Contractual Framework: Agreements and Contracts						
C	Readiness of Systems						
D	Readiness of Business Processes and Procedures						
E	Readiness of People and Organisation						
F	Readiness of IT infrastructure and Other Facilities						
G	Registration						
H	Market Trial: Preparation						
I	Market Trial: Management & Reporting						
J	Market Trial: Execution						
K	Deployment of back-end systems to support FTR market						
L	Deployment and Transition to live: Planning & central market processes and systems						
M	Deployment and Transition to live: Market Participants						

Comments		Responses
D1	Market Participants are concerned that the reports are not being provided on a consistent reliable basis. As a result of this, they are not in a position to complete the data loading that is required for their systems, and therefore are unable to complete their Market Trial testing particularly around forecasting and settlement.	Please see the response detailed for Comment #2 on the Summary Page
D2	A number of participants have raised concerns regarding not having completed ETS / M7 testing.	Please see the response detailed for Comment #5 on the Summary Page
D3	Some Market Participants have raised the risk of the delay of the NEMO website, which is preventing the testing of their IT systems relating to the DAM & IDM.	Please see the response detailed for Comment #7 on the Summary Page

Readiness Status by Metric and Market Participant Category

Capacity Market		Market Participants	ICOs	MDPs	System Operators (incl. CM Delivery Body)	Market Operator (incl. Nemo)	EirGrid/SONI as AoLR
<b>Readiness Per Market Participant Category</b>							
A	Readiness of Business Strategy, Planning, and Financial Resources						
B	Readiness of Legal and Contractual Framework: Agreements and Contracts						
C	Readiness of Systems						
D	Readiness of Business Processes and Procedures						
E	Readiness of People and Organisation						
F	Readiness of IT infrastructure and Other Facilities						
G	Registration						
H	Market Trial/Mock Auction: Preparation						
I	Market Trial/Mock Auction: Management & Reporting						
J	Market Trial/Mock Auction: Execution						
K	Deployment of back-end systems to support FTR market						
L	Deployment and Transition to live: Planning & central market processes and systems						
M	Deployment and Transition to live: Market Participants						

Comments

Responses

Financial Transmission Rights Market		Market Participants	ICOs	MDPs	Transmission System Operators	Market Operator	EirGrid/SONI as AoLR
<b>Readiness Per Market Participant Category</b>							
A	Readiness of Business Strategy, Planning, and Financial Resources						
B	Readiness of Legal and Contractual Framework: Agreements and Contracts						
C	Readiness of Systems						
D	Readiness of Business Processes and Procedures						
E	Readiness of People and Organisation						
F	Readiness of IT infrastructure and Other Facilities				✓		
G	Registration		✓				
H	Trial/Mock Auction: Preparation				✓		
I	Trial/Mock Auction: Management & Reporting						
J	Trial/Mock Auction: Execution				✓		
K	Deployment of back-end systems to support FTR market						
L	Deployment and Transition to live: Planning & central market processes and systems						
M	Deployment and Transition to live: Market Participants						

Comments	Responses
F1 <i>All Harvey Balls are "green"; No specific comments are noted.</i>	