nMarket Global for I-SEM release 3.4 review and look ahead
I-SEM bidding, market communications and shadow settlements

Are you ready for I-SEM?
In 2007, the electricity transmission system operators in the Republic of Ireland and Northern Ireland combined their resources to establish a single electricity market (SEM). Today, the Irish wholesale electricity market is preparing to transition to a new Integrated Single Electricity Market (I-SEM), bringing it in line with the EU Target Model. This change will give Ireland a more open and commercially-focused wholesale electricity market with continuous trading and market-driven support for a variety of generation assets, including renewable energy sources. It will also prepare Ireland for increased interconnectivity with other markets (i.e., market coupling), which will bring more trading opportunities to energy market participants across Ireland.

“A BB has long been recognized as an expert in enabling the operation of wholesale electricity markets, such as those in the US where ABB software runs the market operations across the eight largest markets. We also remain strongly committed to the Irish power markets and are investing heavily to ensure that each of the 100+ participants in the Irish electricity generation, distribution and retail business segments can continue to trade and take advantage of the new opportunities the I-SEM market will bring.”

Massimo Danieli, Managing Director of ABB’s Grid Automation business unit, part of the company’s Power Grids division

A Microsoft® Azure® cloud solution
A key part of being able to operate in the I-SEM market is having a proven and flexible solution for bidding into the market, receiving awards and settling with the new market operators. Six of the largest I-SEM participants are already preparing for the market change by using ABB’s nMarket SaaS solution. Delivered on the Microsoft Azure cloud, nMarket provides a stable, efficient market communication and settlements solution for the I-SEM day-ahead market, intraday market and balancing market – as well as settlements of Financial Transmission Rights (FTRs) and the Capacity Remuneration Mechanism (CRM).

With market updates included in the license, nMarket Global for I-SEM represents a cost-effective, always-up-to-date market solution with predictable annual expenditure. As a SaaS solution, it offers several additional advantages: no capital expenditure is required to use the solution, implementation is fast and low-cost, and ongoing operational costs are lower and more
predictable than with on-premise solutions. It also means the solution is designed to grow with you as your company grows in the market(s) in which it operates.

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nMarket Global for I-SEM

Version 3.4 released June 2017

With the 3.4 release, customers now have access to the following features:

- Capture bids and offers for the day-ahead market, intra-day markets and balancing markets
- Capture physical notifications, technical and commercial offer data
- Load market awards and market prices, volumes and other reports
- Load market settlement statements, details, calendars and shadow some of the balancing market charge types
- Integrate with upstream and downstream systems using nMarket’s extensive inbound and outbound programmatic interfaces

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Looking ahead…

Scripted and unscripted market trials commence December 2017, running up to the I-SEM go-live in May 2018. To be eligible to participate in market trials, participants need to qualify by passing communication channel qualification testing (CCQT). Future updates to nMarket I-SEM focus on market connectivity, enabling the submission and query of market data. These updates will allow nMarket users to take part in participant interface testing (PIT) and market trials.

CCQT adds a major change to fundamental business processes. Participants will need to demonstrate the ability to participate and verify internal processes and systems before market go-live in May 2018. Having a solution in place now allows you to design test and verify systems and processes in advance of the market opening.

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More information

To learn more about ABB’s Energy Portfolio Management solutions for Ireland’s Integrated Single Electricity Market, click the hyperlink to download the brochure.

Take advantage of the new features in nMarket. Contact Annabel Blagg, Account Executive, to upgrade an existing software instance or request a demonstration to evaluate ABB’s I-SEM solution.