

# SEMOpX User Group Meeting

Dublin - 16<sup>th</sup> May 2019

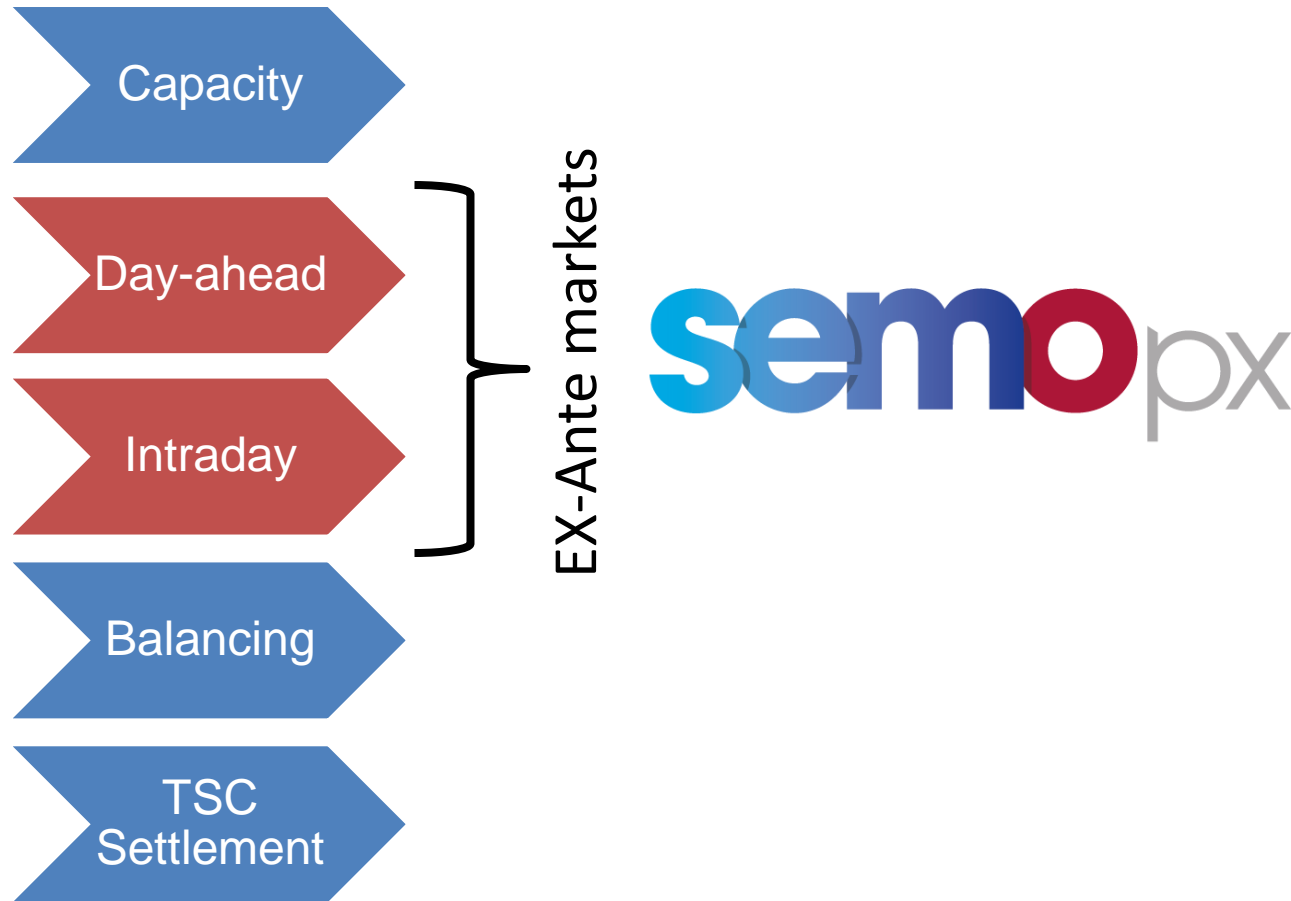


# Agenda

- ☐ *SEMOpX operation since go-live*
- ☐ *Service Improvements*
- ☐ *Helpdesk and Registration*
- ☐ *European Integration*
- ☐ *Service Development*
- ☐ *Question and Answer*



# SEMOpX in the context of the SEM



# SEMOpX operation since go-live

Exchange Members

48

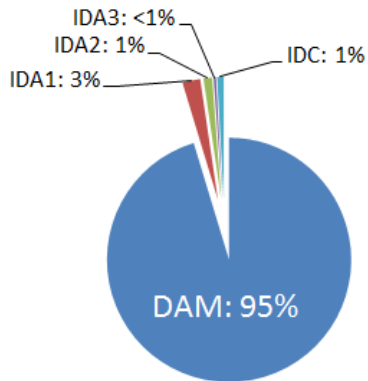
€1.4b

Traded in first 6 months

€8m

Traded per Day

Volumes by Market

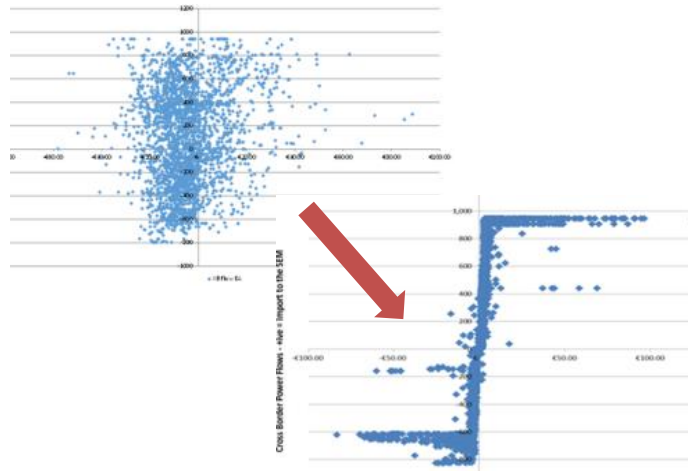


20 TWH

Traded in first 6 months

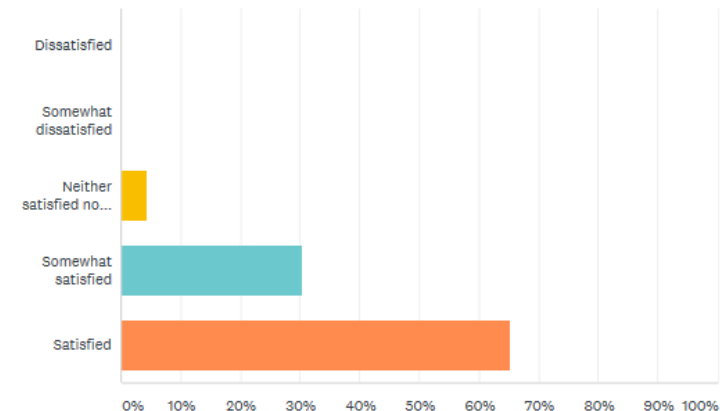
Auctions Successfully Completed

>850



Price and  
Interconnector Flows

Overall Satisfaction



# Exchange Committee

- Forum for [modifications](#) to be considered to SEMOpx Rules and Procedures
- Committee setup and [committee members](#) appointed
- Meets twice yearly, or more often if needed

2018 NOVEMBER						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	✓ 28	29	30	

2019 MAY						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	✓ 29	30	31	

# NEMO Designation

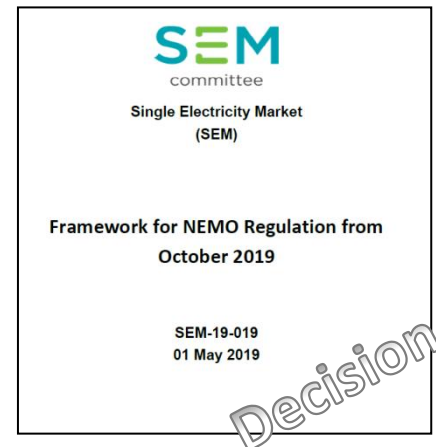
- SEMOpx want to continuing to provide Ex-Ante services to the SEM
- Re-designation required as current designation finishes on 2<sup>nd</sup> October 2019

## – Recent Activities

- RA Consultation and Decision on NEMO Regulatory Framework
- SEMOpx submission of application for designation (10<sup>th</sup> May)
- Awaiting outcome of application

## – Future Activities – dependent on successful designation

- Price Control submission, consultation and approval
- SEMOpx Tariffs for 2019/2020 approved



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# Service Improvements

## Query Management

- **Improvement Made:** both timing and quality of responses
- But as always, more work to do...

## Registration

- **Improvement Made:** Some of you experienced delays in processing and queries around go live, but have seen the improvement since
- **Future Improvements:** direct phone contact, welcome pack

## REMIT

- **Improvement Made:** Submission to ACER and Weekly publication on [website](#)
- **Future Improvements:** DPuG will be updated, Automatic D+2 publication to website

## Market Results Graph

- **Improvement Made:** Cosmetic fix to axis label

## Static Report – Data Retention

- Were only available for 2 months
- **Improvement Made:** monthly files – IDC [Order](#), [Trade](#), Auction [Bid Files](#), [Results](#)
- **Future Improvement:** Extend to 1 year

## Static report -Data Publication

- Ad hoc issues
- **Improvement Made:** Fix implemented 26/04/2019

## Auction Prices & Volumes

- Some users need a quick view
- **Improvement Made:** Consolidated into [one file](#) and published monthly

## ETS Simulation

- Simu 3 only offered current production testing
- **Future Improvement:** The move to Simu 1 and 2 will allow testing of both production (1) and new improvements due for release (2)



# Future Service Improvements

## Website Navigation & Search

- Improved categorisation, keywords, and internal links

## Dynamic Reporting

- Auction Prices & volumes presented in easy to view dashboard format, retrievable for configurable date ranges

## IDC table/chart

- IDC equivalent of market results tables for DAM, IDAs

## Calendar

- Some of you asked about our [calendar](#)

## Operational Market Messages

- Document [published](#) at go live
- But new version in progress with further clarification
- We already facilitate the possibility of registering a team email address as a Trader for alerts

## Maintenance Window Comms

- Working with our vendor to give as much notice as possible

# Agenda

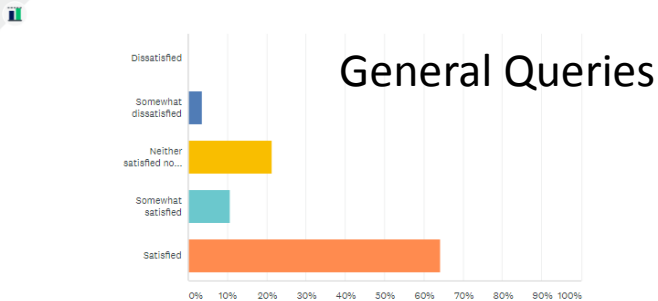
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# SEMOpX Helpdesk - Stats

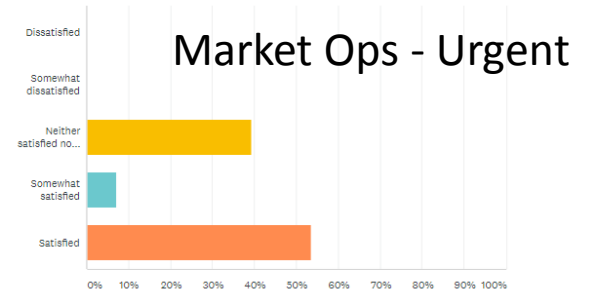
How satisfied are you with your experience with the info@semopx.com team that are responsible for general SEMOpX queries:

Answered: 28 Skipped: 2

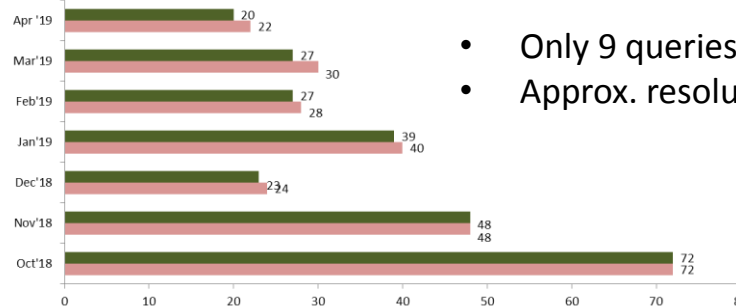


How satisfied are you with your experience with the marketops@ops.semopx.com team responsible for urgent auctions and continuous queries?

Answered: 28 Skipped: 2



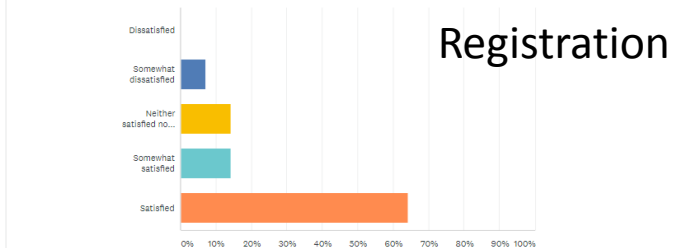
Query Stats Oct'18 and Apr'19



- Only 9 queries open\*
- Approx. resolution time for general query, 3 days

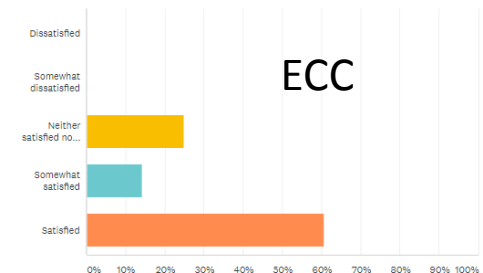
How satisfied are you with your experience with the registration@semopx.com team responsible for processing applications and registration queries :

Answered: 28 Skipped: 2



How satisfied are you with your experience with the clearing@ecc.de team responsible for invoicing queries:

Answered: 28 Skipped: 2



# SEMOpX Helpdesk - Get in touch

## SEMOpX Helpdesk

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Republic of Ireland: **1800 283 010**

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Northern Ireland: **0800 008 3010**

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International: **+353 1 668 8183**

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The SEMOpX Helpdesk is available Mon-Fri from 9.00am until 5.00pm, for all general queries or non-urgent operational queries.

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1. Urgent Auction operational issues:	24 hr	<a href="mailto:marketops@ops.semopx.com">marketops@ops.semopx.com</a>
2. Urgent Continuous operational issues:	24 hr	<a href="mailto:marketops@ops.semopx.com">marketops@ops.semopx.com</a>
3. General queries:	9-5	<a href="mailto:info@semopx.com">info@semopx.com</a>

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SEMOpX customer support for urgent queries is available 24/7, 365 days a year.

- *You asked, we aim to deliver...*
- *Option **4** routing of calls to the SEMOpX registration team*
- *....in the meantime, the team are already available 9-5 at [registration@semopx.com](mailto:registration@semopx.com)*

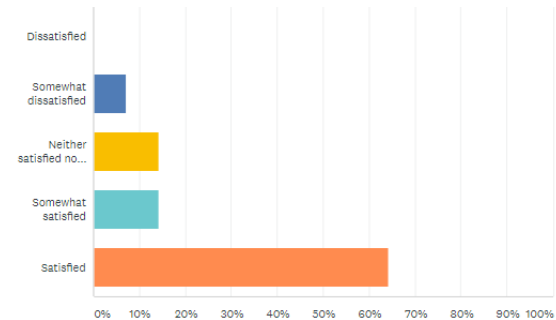
# SEMOpX Registration

Members	Total 48
Go live 30/09/18	39
By today 16/05/19	9
In Progress	5

Unit Type	Total 387
Assetless	43
Generator	228
Supplier	100
Demand Side	15
Trading Unit	1

How satisfied are you with your experience with the registration@semopx.com team responsible for processing applications and registration queries :

Answered: 28 Skipped: 2



# SEMOpX Registration – Things to note

## Registration Timelines

- On receipt of your registration pack, it can take up to **60 working days** to make the new Party, Participant and Unit and Users effective in the Balancing Market Interface and the Member, Unit, Users and Traders in **SEMOpX Platforms** (ETS & M7)
- **Addition of New Members:** requires 10 working days to implement in the systems **after admission confirmed**, and must be effective on a Wednesday.
- **Addition of New Units:** requires 5 working days to implement in the systems **after admission confirmed**, and must be effective on a Wednesday.
- **For other changes to setup:** e.g. New Users, Traders, change in ACER code, Trade Recall contact change, IT contact change, typically requires 5 working days to implement in the systems after approved, but may be facilitated in short timeframes (dependent on volumes)

## Users vs Traders

- User - is the actual user name and password to log into ETS, or M7 or SMSS
- Trader - Is the individual i.e. a real person who has been authorised as a trader by the member

<https://www.semopx.com/joining-the-market/how-to-join/>

# Tips for Staying Informed

- Ensure new employees subscribe to
  - [SEMOpX Market Messages](#)
  - [SEMO Market Messages](#)
- Regularly review your Traders registered with SEMOpX to ensure they receive operational market messages
  - You can request your current list of traders from [registration@semopx.com](mailto:registration@semopx.com); and request the latest S07 form for completion
- Every Friday expect the Known Issues Report to be [published](#)

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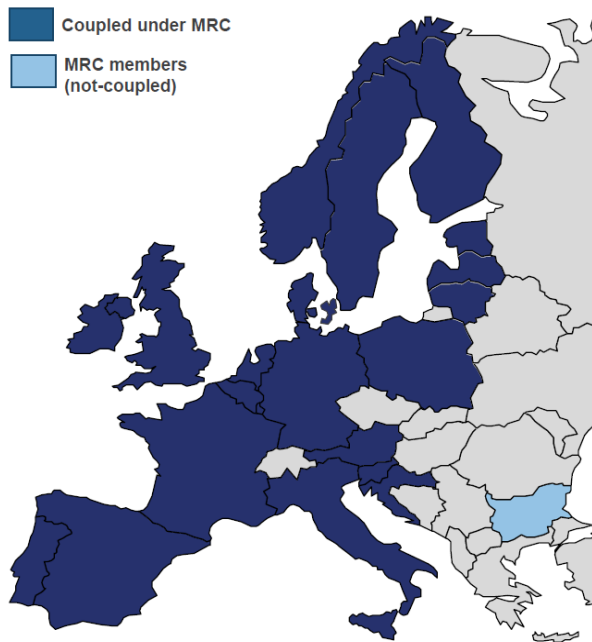


# Day-Ahead/Intraday Markets

European  
Coupling

GB

SEM



*Coupled in SDAC  
Not yet coupled in SIDC*

*Two ID Auctions*

*One ID Auction  
&  
ID Continuous*

# Key Current Discussions/Activities

- **Single Day-Ahead Coupling**
  - Conclusion of agreements among NEMOs and between NEMOs and TSOs
  - Algorithm Change of Control Methodology (also applies to SIDC)
    - Methodology, not a procedure/process
    - Discussions with NRAs
    - Consultation shortly before summer
- **Single Intra-Day Coupling**
  - 2<sup>nd</sup> wave of countries expected September/October 2019
  - Intraday Auctions
    - Current technical work conducted by TSO and NEMOs on methodology
    - Consultation shortly before summer
- **SEM-GB Regional Auctions**
  - Working towards the implementation of GB MNA

# Algorithm Change Control Methodology

- Ensures Request for Change (RfCs) are managed in a non-discriminatory way by establishing common principles
- Sets principles for submission, evaluation, decision and implementation of RfCs for SDAC/SIDC algorithm
- Such as:
  - Typology of RfC
  - Minimum information to be included in RfC
  - Timing of RfC Go-Live (approx. 1 to 1.5 years after submission)
  - Assessment of RfC based on set of criteria
  - Escalation process/Arbitration
  - Corrective measures (limitation of usage)
- ACCM discussed with ACER, shortly out for consultation

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# Roadmap for Market Development

Plan to be released end of May for all SEM Markets

- **Project list, relevant for SEMOpx**
  - EUPHEMIA MNA –Live 03/04/19
  - IDA GB MNA – Go-Live for July 2019 (SEM-GB testing from June 19)
  - SEM MNA – Longer term project
  - Capacity Allocation (variable NTC over day)
  - EU Coupled Continuous Market (XBID)
  - EU Coupled Auctions
  - Additional Products for both Auction and Continuous markets under consideration based on your feedback and experiences thus far after 7 months of operation
- **Potential EUPHEMIA changes**
  - MIC variable component change. In R&D and potential to remove the variable component of the MIC
  - Brexit uncertainty but workable plans in place to mitigate risk and provide flexibility

# EUPHEMIA - Order Types in SEMOpx

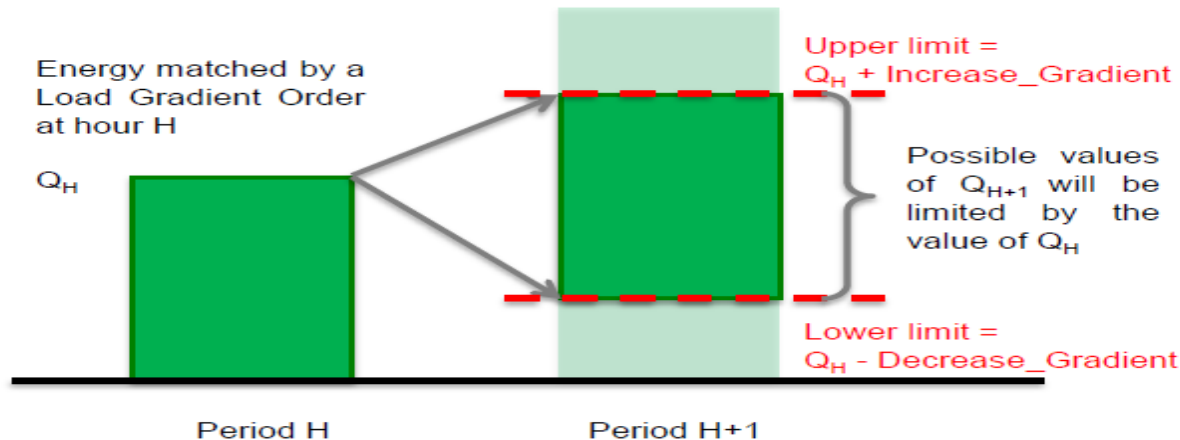
## Simple Orders

- PQ pairs with no conditions attached
- Orders aggregated into hourly curve

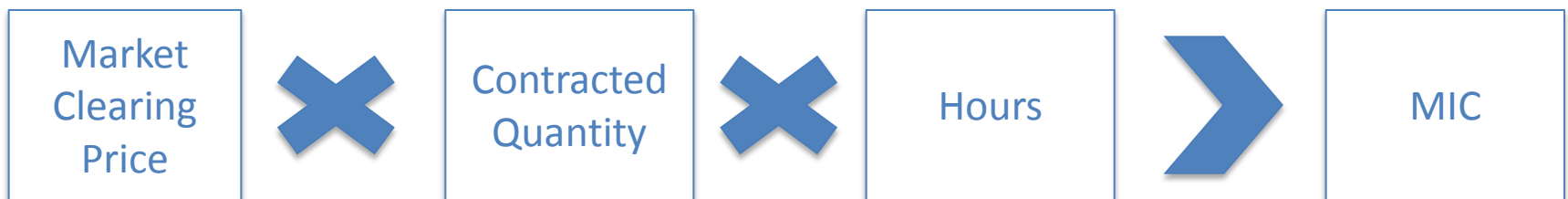
## Complex\*

- Price-quantity pairs with conditions
- Explicit representation of TOD and COD

# Complex Orders



- Two main conditions:
  - Load gradient (above) provides an hourly average ramp limit
  - Minimum income condition (MIC - below) defines minimum revenue
  - MIC has a fixed (e.g. start up) and variable\* (e.g. fuel cost) element



# Product Updates

Based on what we know now and your feedback in the survey;

## – **30 min Complex Order**

- Part of original offering, to implement need full scope of project and testing with SEM-GB - Development of product on hold
- Complex bids in IDA (still needed or not?) Have you found ways to mitigate infeasible scheduling prior to IMB Market?

## – **Block Orders in Continuous Market**

- Current block products have a trade execution function with IOC, FOK and NON. Adding the AON\* execution type would not be possible without removing the NON execution type

## – **Block Orders in Auctions**

- Previous tests would need to be performed again, with no change to performance and additional markets being added to MRC this is highly unlikely

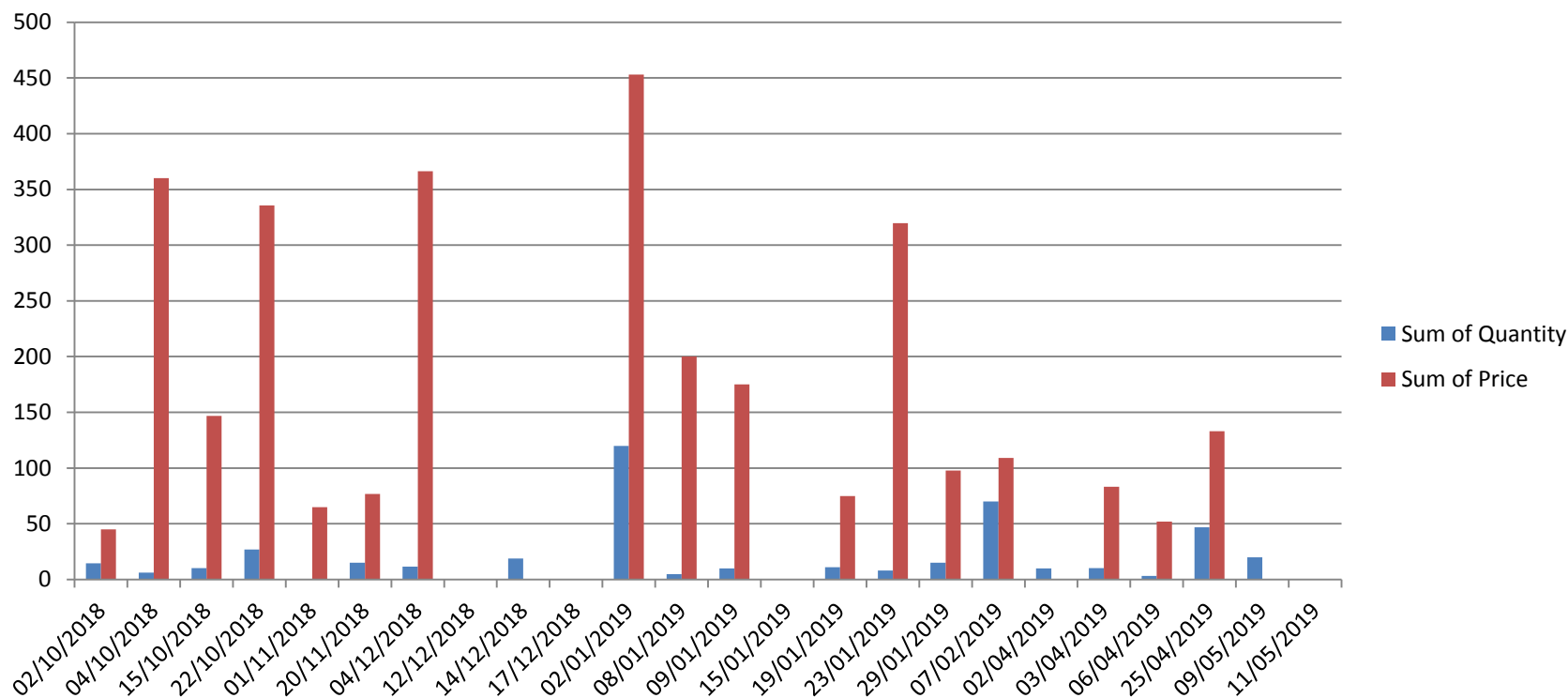
\*Would mean entirely new set of Block Products to be created



# Trade Recall Trends Since Go-Live

Total Recalls**	High Trade Value	Low Trade Value	Average Trade Value
47*	€7,630	€26	€872

Oct 18-Dec18***	Jan19-Mar19	Mar19-Today
21	13	13



\*15 Recalls from 1 Member

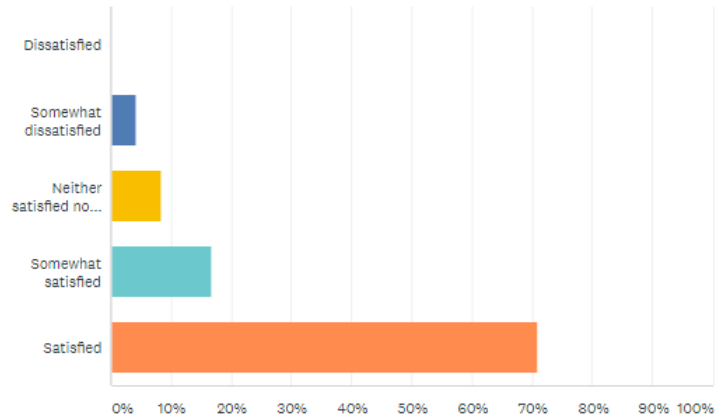
\*\* 1 Recall rejected

\*\*\*Automated Dec 18

# ETS/M7 - Satisfaction

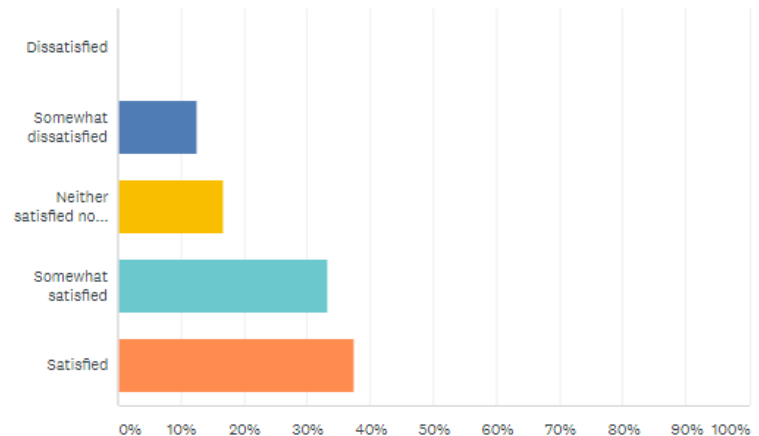
How satisfied are you with the Auctions trading system (ETS)?

Answered: 24 Skipped: 6



How satisfied are you with the Continuous Platform (M7)?

Answered: 24 Skipped: 6



Multiple implementations led to some need for performance improvements and outages



# Releases

- ETS

Version	Content	Impact	Expected Timeline
V3.3.1	Functionality improvements for API services. Safety settings for order submission. Improvement of member exclusion process.	No impact on output files	End of June or beginning of July 2019 - TBC

- M7

Version	Content	Impact	Expected Timeline
V6.7	To be confirmed.	The TC Report XSD schema will change.	Quarter 2 2019 - TBC

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# Q & A



## Next Meeting

SEPTEMBER 2019						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
 <p><b>CONFERENCE CALL</b></p>						

# Appendices

# Useful Resources

- [Technical Specifications](#)
- [Data Publication Guide](#)
  - [Static Reports](#)
- [Website Report API](#)
- [IDC XML Report Reference](#) (based on M7 version 6.6)
- [Training materials](#)
- *At all times we welcome your feedback on the content of these materials*