

5.9.2024 [Joonas Muikku & Antti Hyttinen]

mFRR-capacity market BSP webinar

Market Trial test period and Fifty NMMS Demo

FINGRID

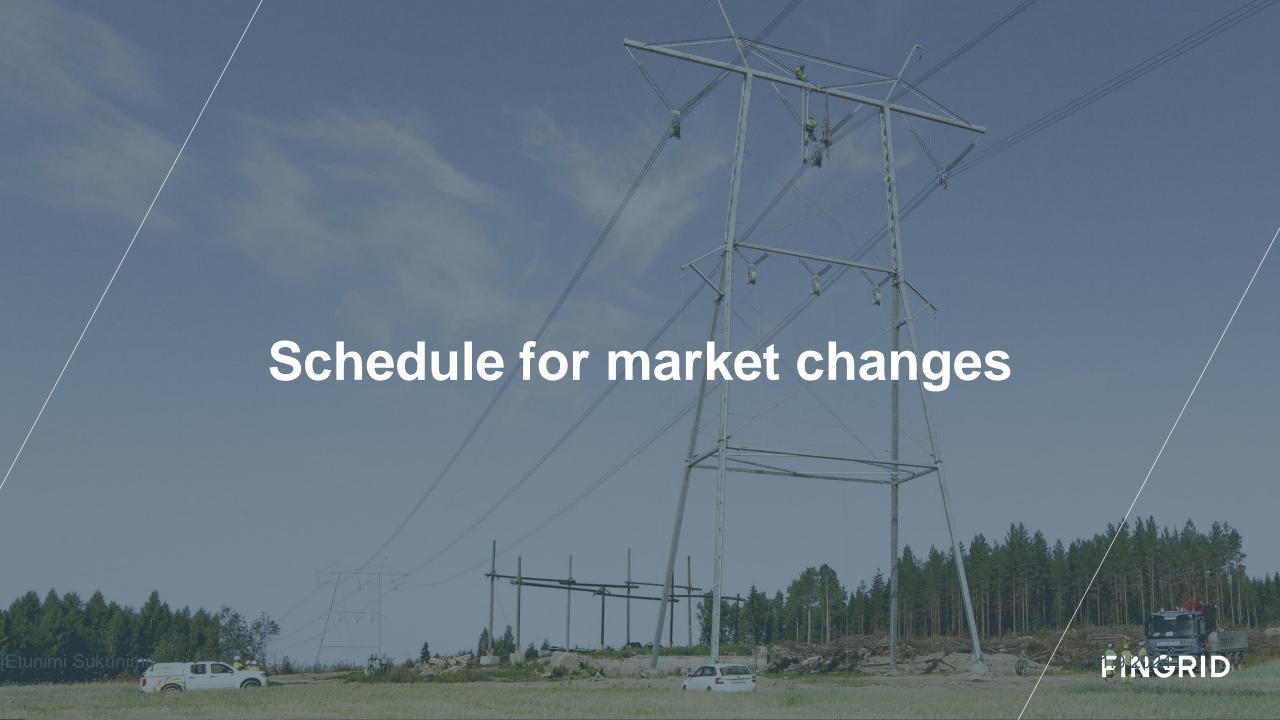
Agenda

- Schedule for market changes
- Market Trial
- Tasks for BSP's on Market Trial
- Schedule for mFRR capacity market project
- Fifty NMMS Demo
- Summary

Common information about webinar

- Webinar is recorded, the video is available for participants and on other instances on request
- Questions can be asked by raising a hand, Teams chat or in Screen.io –service
 - Screen.io link is in the Teams chat
 - Material will be available on Fingrid web page in Finnish and English
 - All recorded questions will be also answered and these answers can be found from the same website





mFRR capacity market changes

- Gate Opening Time and Gate Closure Time, introduction into use 22.10.
 - Bids can be submitted 7 days before the deliveryt date
 - Bids must be submitted by 07:30 CET/CEST a day before the delivery date
- Linked exclusive aFRR and mFRR capacity market bids, introduction into use 19.11.
 - An exclusive link can be created between aFRR and mFRR capacity market bids, meaning that either aFRR CM bid or mFRR
 CM bid is accepted, not both. Priority in this selection is the aFRR bid
- mFRR capacity market block bids, introduction into use 19.11.
 - Block bids are introduced to the mFRR CM, enabling linking of mFRR CM bids. Accepting one of these bids requires
 accepting all the linked bids in the block. The bids needs to be identical and represent a continuous interval of market time
 units
- SE1-FI cross zonal capacity allocation on the Nordic mFRR capacity market, introduction into use 19.11.
 - It is possible to allocate SE1-FI cross zonal capacity for the use of aFRR and mFRR capacity markets by maximum 10% from FI to SE1 and maximum 5% from SE1 to FI from the available cross zonal capacity.





Market Trial

- The Market Trial test period target is to verify the flawless function of capacity market platform Fifty NMMS in the Finnish national mFRR capacity market
 - Official testing of the market platform has been done and the focus of this Market Trial is specificially in the national mFRR CM and the functionalities of Finnish BSP's and TSO
- BSP's / service providers will leave simulated mFRR capacity market bids for Market Trial, and NMMS provides market results in the normal schedule
 - Bids should be priced realistically and bid volumes should be realistic
 - Market is run in the test environment in normal market schedule
 - GOT -7d, GCT 08:30, results 09:00 (Finnish time)
- Market Trial is held 23.9. 27.9.



Tasks for BSP's on Market Trial

- AT Fifty NMMS user interface and market message exchange should be tested before participating in Market trial
- 2. mFRR capacity market Gate Opening Time is 7 days prior to delivery date
 - a. Gate Opening Time is 00:00 16.9. After this BSP's can leave bids for the delivery date 23.9.
 - Gate Closing Time is always 08:30 EET/EEST a day prior to delivery date. Bids can be submitted and changed freely untill GCT
 - c. BSP or service provider should test sending in bids via market messaged and from user interface
- 3. mFRR capacity market algorithm is run at 08:30 EET/EEST and results are ready latest 09:00 EET/EEST
 - a. Market results are sent to BSP's via market message exchange, if ECP has been defined. Results are available on the AT Fifty NMMS platform as well.
- 4. All BSP's are asked to send in bids for the whole Market Trial test period!



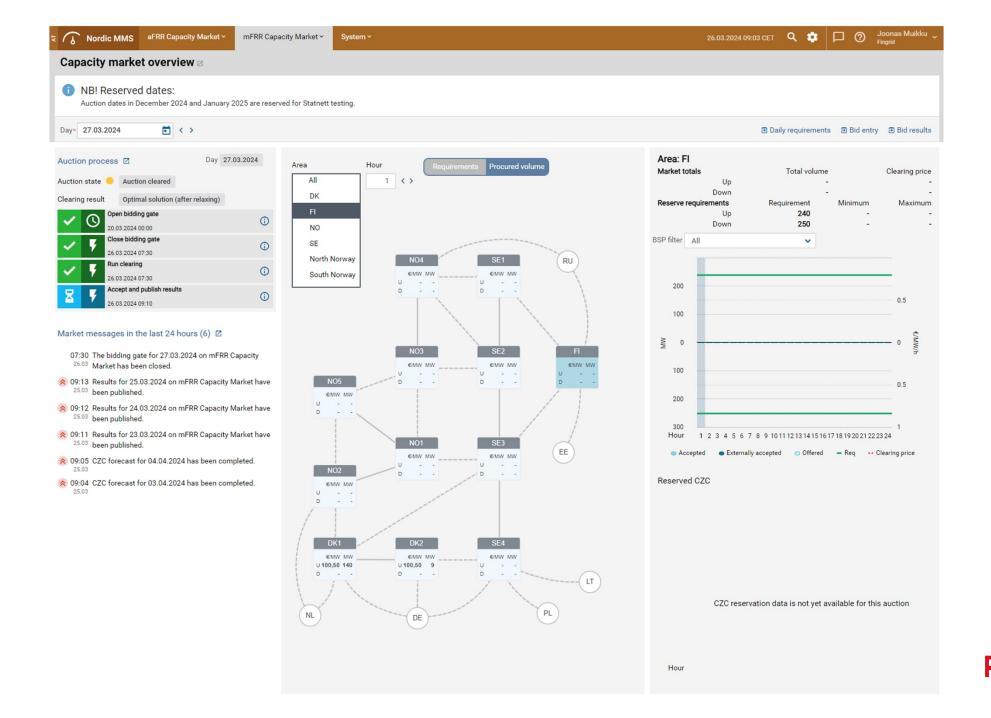


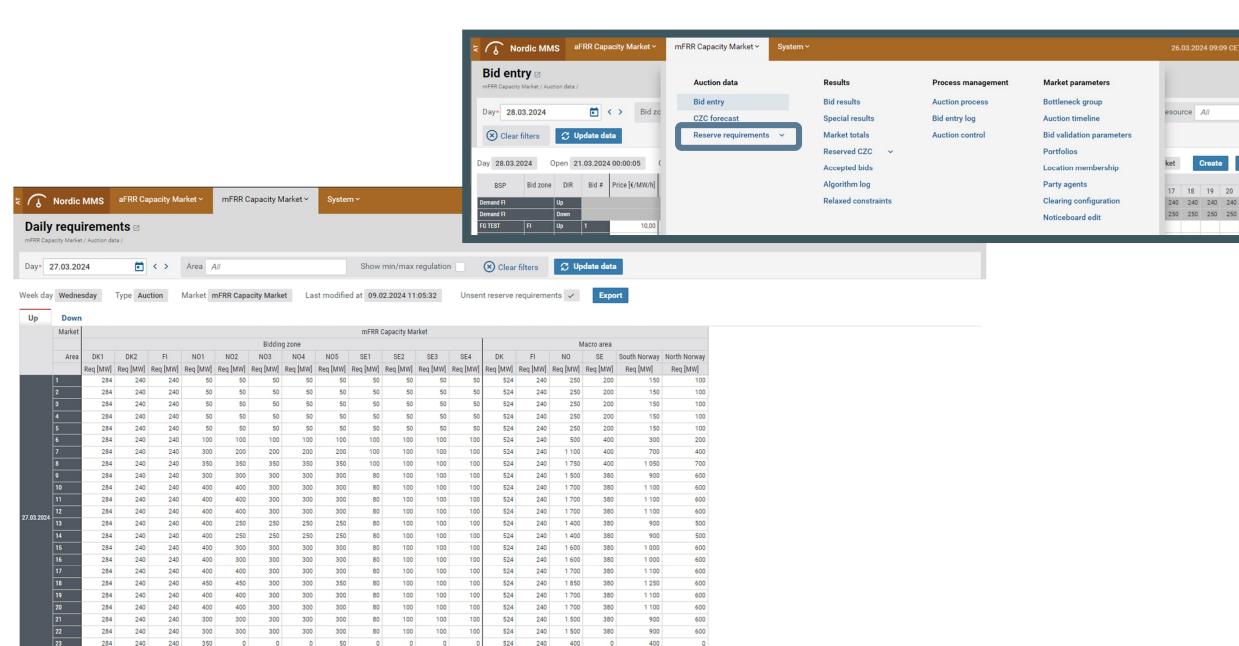
Project schedule

To do	Start	End
BSP configuration to AT Fifty NMMS done	1.7.	1.8.
BSP / Service provider ECP market message testing	5.8.	30.8.
BSP / Service provider Fifty user interface testing	5.8.	30.8.
mFRR EAM webinar, mFRR CM project updates	12.8.	
mFRR market trial webinar	5.9.	
mFRR market trial	23.9.	27.9.
Finnish national go-live	22.10.	
Nordic trilateral go-live	19.11.	

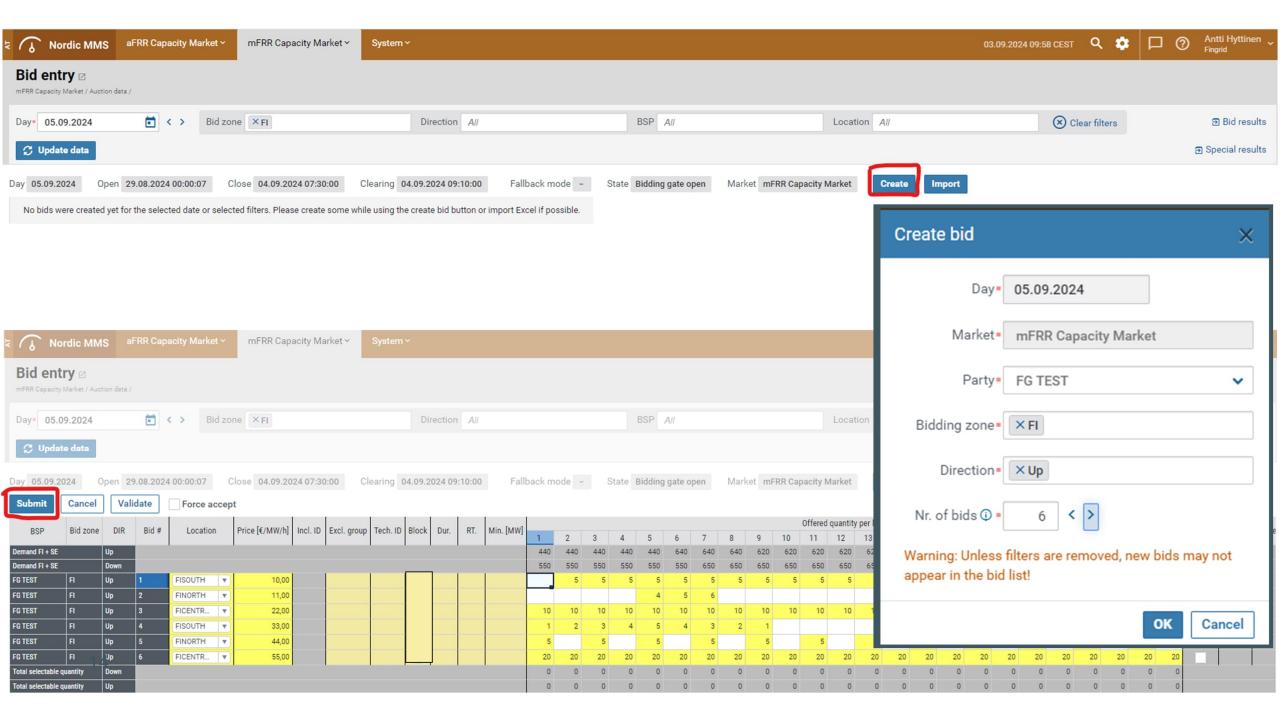


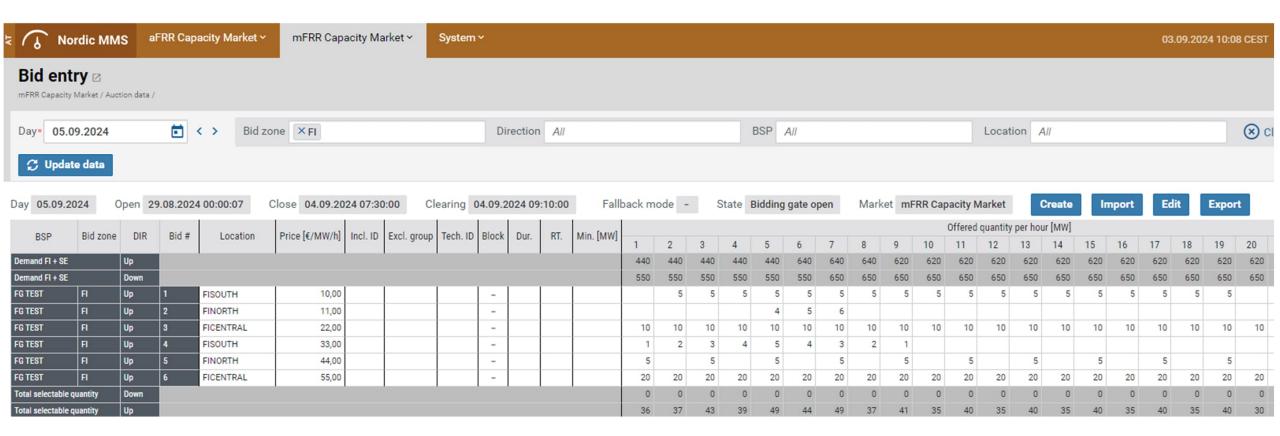




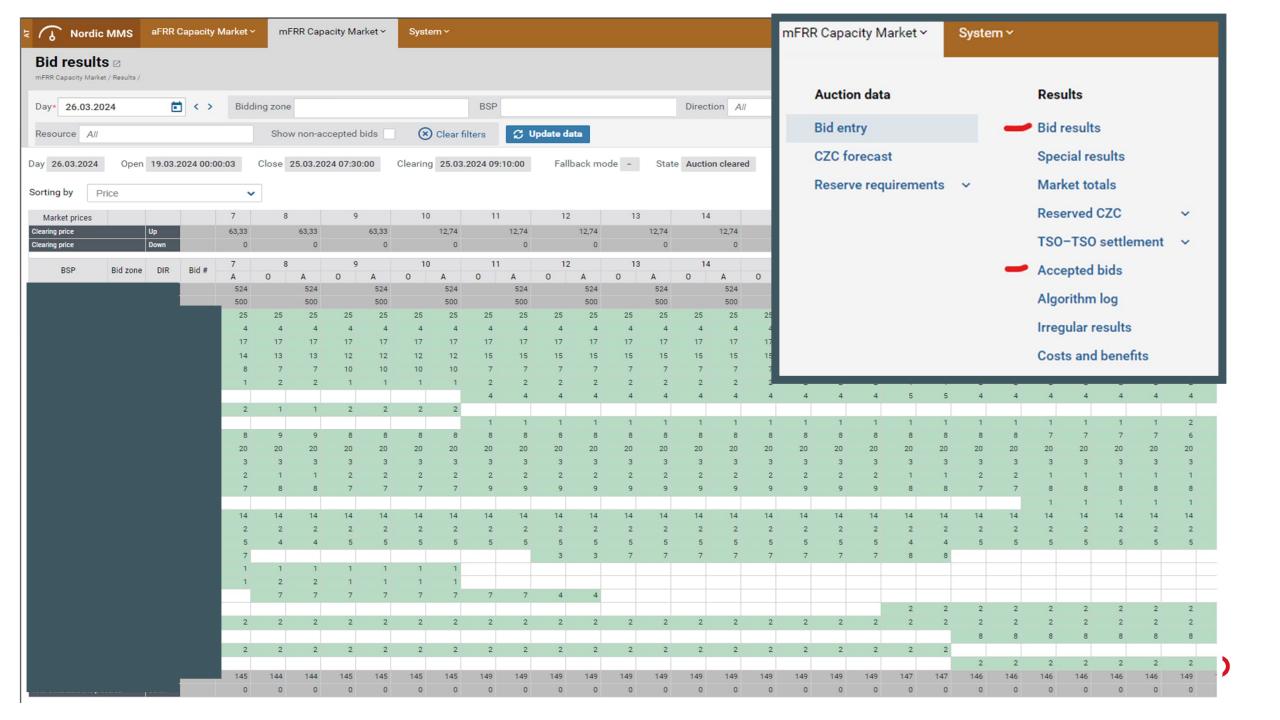


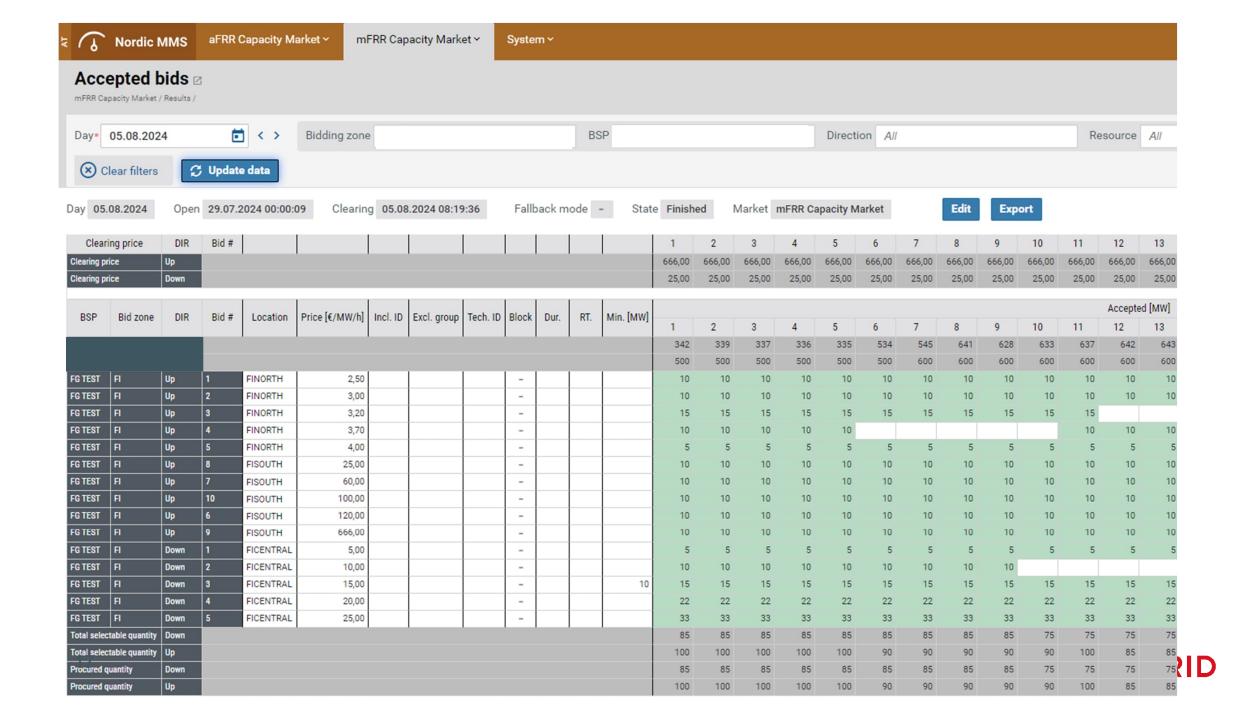


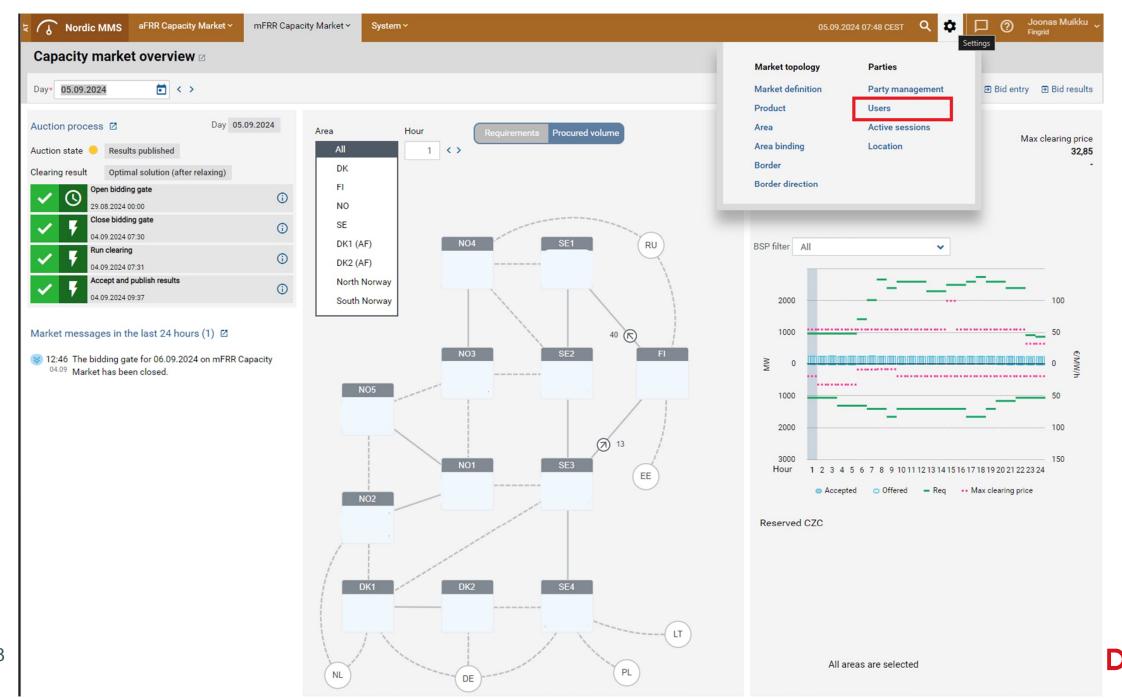


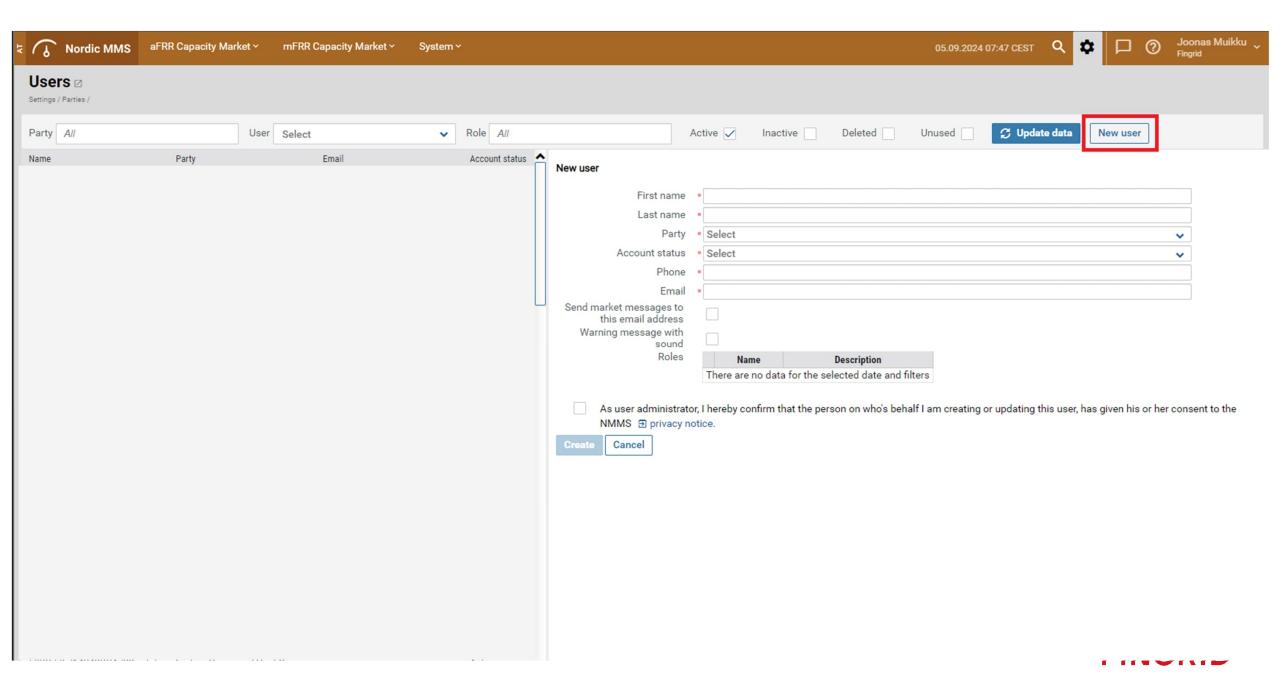














Summary

- It is still possible for BSP's and service providers to test mFRR capacity market on AT Fifty NMMS test environment
- Gate Opening Time is -7d, meaning bid submitting for Market Trial begins on week 38. We highly recommend that all BSP's and service providers participate to the Market Trial

Upcoming events

- Market Trial –test period is held on week 39
- National Fifty NMMS golive 22.10.
- Nordic mFRR capacity market golive 19.11.

Contact person for mFRR capacity market change is Joonas Muikku, joonas.muikku@fingrid.fi



BSP testing

- BSP testing consists of the following steps
 - Signing in to the new NMMS market platform
 - This is possible from the end of May, by using the updated login procedure of the NMMS platform
 - NMMS market platform testing (possible after succesfull login)
 - This process is each BSP's responsibility. Target is to test independently submitting and deleting bids from the NMMS user interface
 - More instructions coming to BSP's during spring
 - ECP/EDX market message exchange testing (possible after the BSP has been cnofigured to the platform)
 - BSP will agree on the schedule with Fingrid experts on separate e-mail
 - Bid submitting and result receiving is tested in this process
 [Etunimi Sukunimi]
 11.9.2024



Changes to market messaging (1/2)

- Submitting bids
 - Market message format remains the same (reservebiddocument v 7.1), but there are changes to some bid attributes. Changes can be found from the Nordic Implementation Guide
 - It is no longer possible to add "Reason text" to the bid
- Receiving market results
 - Market result message is almost the same as in the Vaksi configuration right now, but the message scheme is the older version (reserveallocation result 6.0)
 - Some changes to single attributes
 - Same status codes as of now (B16 is also on time series level, not just point)



Changes to market messaging (2/2)

- Receiving the TSO reserve requirements
 - NMMS sends automatically the procurement amount of mFRR capacity as soon as the Gate
 Opening Time (-7d) is reached
 - Information is always updated if TSO decides to change the procurement amount closer to delivery date
 - This information is sent also on the aFRR capacity market



Changes tp ECP/EDX configuration

- SERVICE "FI-MFRRCAP" that is used now, changes as market platform changes from Vaksi to Fifty NMMS
 - New service is called "SERVICE-NO-MFRRCAP" In addition EDX message types are changed.
 These can be found from the Nordic Implementation Guide

Process	Sender	Format	ECP message type
Publishing Reserve Requirements	Nordic MMS	iec62325-451-7-reservebiddocument_v7_1.xsd	MO-MCC-RESERVE-REQUIREMENTS
Bid Submission	BSP	iec62325-451-7-reservebiddocument.xsd	MO-MCC-BIDS
Bid acknowledgement	Nordic MMS	iec62325-451-1-acknowledgement.xsd	MO-MCC-BIDS-ACK
Accepted bids	Nordic MMS	iec62325-451-7-reserveallocationresult.xsd	MO-MCC-ACCEPTED-BIDS-BSP
Market Result	Nordic MMS	iec62325-451-6-balancing.xsd	MO-MCC-MARKET-RESULTS