



# 15-minute Imbalance Settlement Period

Webinar: Project status and testing phase

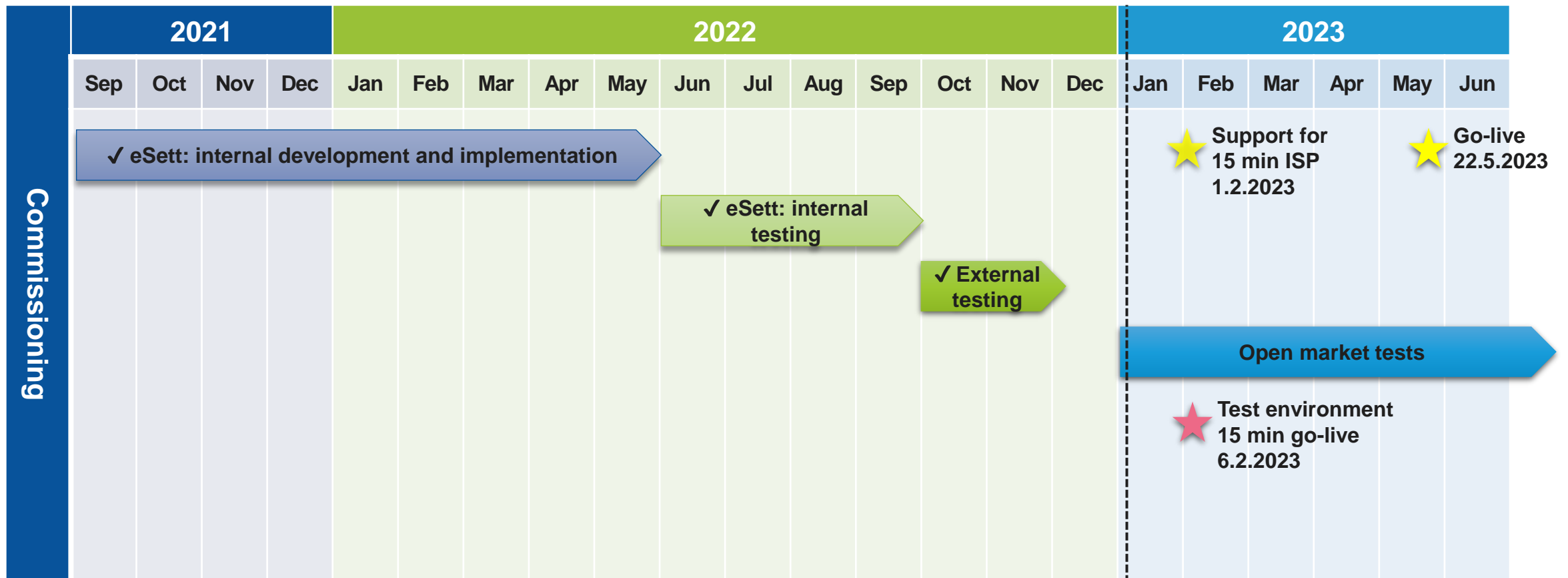
10.01.2023



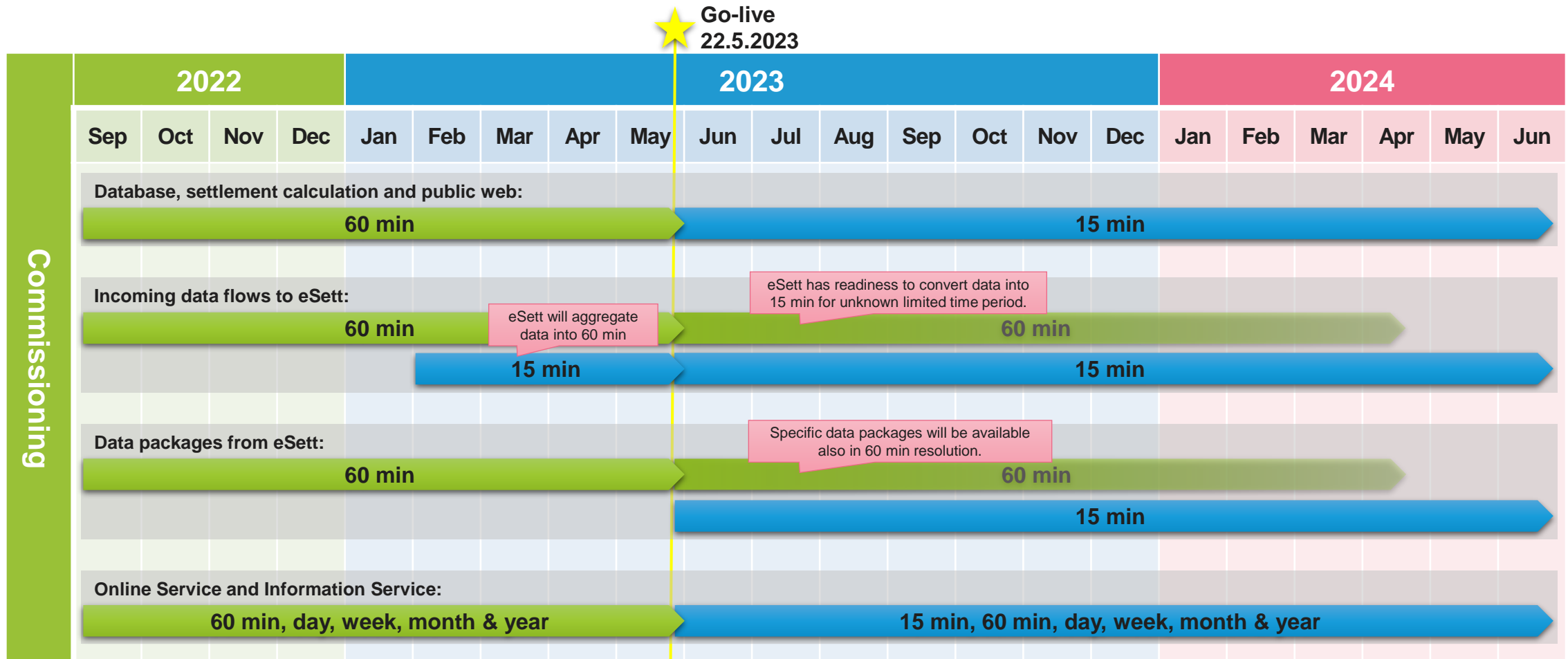
# Agenda

- Project status – Tuomas Pulkkinen (eSett)
  - eSett's, Nordic and national time schedules
  - Summary of the changes on 22<sup>nd</sup> May
- Open market tests – Olli Vainikainen (eSett)
  - Introduction
  - Platforms available to test
  - Requirements
- Questions

# 15 min Commissioning Time Schedule – eSett



# 15 min Commissioning Time Schedule – eSett’s resolutions

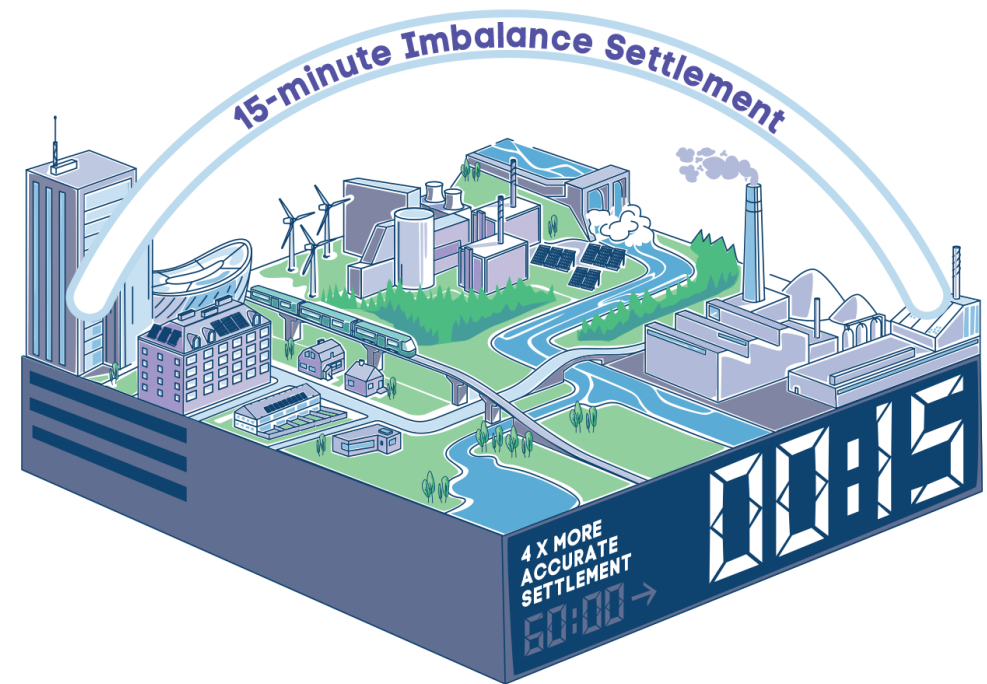


# 15 min Commissioning Time Schedule – Nordic and National Timelines\*



# What will happen on 22.5.2023?

- eSett's system and calculations switches to 15 min
- eSett is still able to receive data in 60 min resolution (subject to the local regulation)
  - eSett converts it into 15 min resolution
- Financially nothing shall change for the BRPs at this point:
  - *Imbalance price* is same for each 15 min ISP within hour, until 15 min prices shall be taken into use
    - Currently estimated in Q2/2024
  - *Imbalance Fee* shall be applied per hourly netted imbalance
  - See examples in the [commissioning plan](#)
- Outbound data is *mainly* on 15 min, but most of the data can still be received and viewed also on hourly level.
  - See list of 60 min Data Packages in the [commissioning plan](#)
- Bilateral Trade gate closure in Finland switches from 20 min to 0 min
- Each BRP should agree with their counterparties if/when they shall have bilateral trade(s) in 15 min resolution



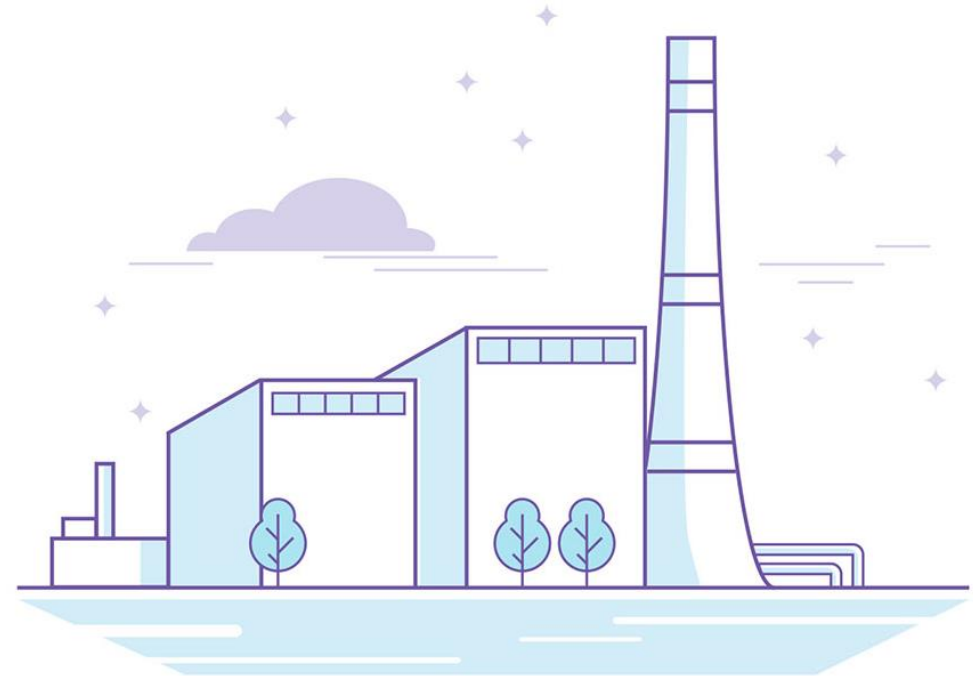


# Open Market Tests



# Open Market Tests - Introduction

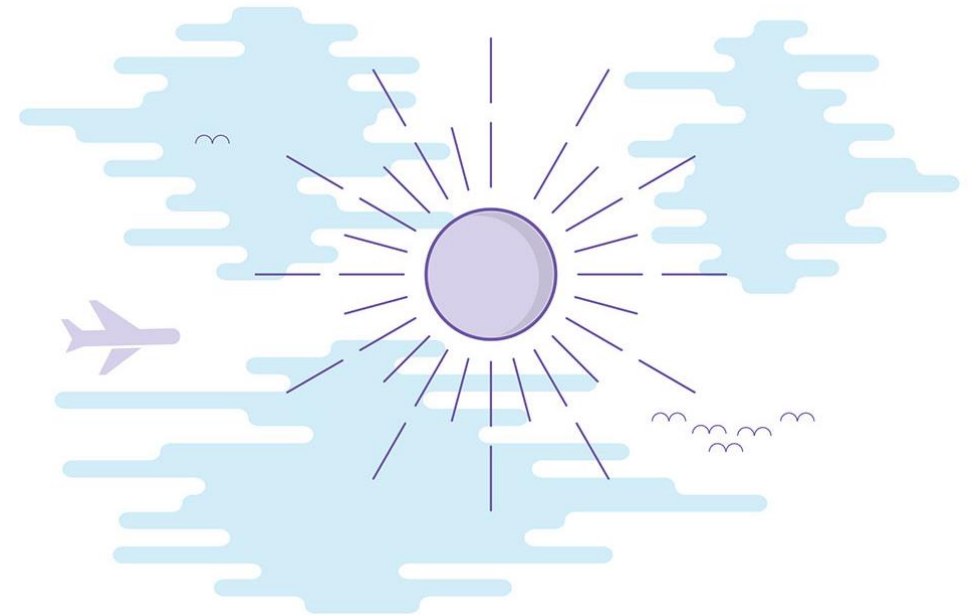
- Open Market Tests allows any market participant to test 15-min ISP in eSett's test environment
- Schedule:
  - January 2023: Open Market Tests officially starts
  - 6.2.2023: 15-min ISP Go-live date in the test environment
  - Testing lasts until Fall 2023
- If you are interested in testing, please contact eSett customer service





# Open Market Tests – Test Structures and Data

- The test environment contains structures similar to production environment
  - New test structures can be created through Online Service when needed
- In general, there will be limited amount of input data available for imbalance settlement
  - Imbalance settlement results might not be comparable to production environment
- If you require some test structures or data, which you cannot create or supply yourself, contact eSett and we can provide these for you



# Open Market Tests – Platforms available to test

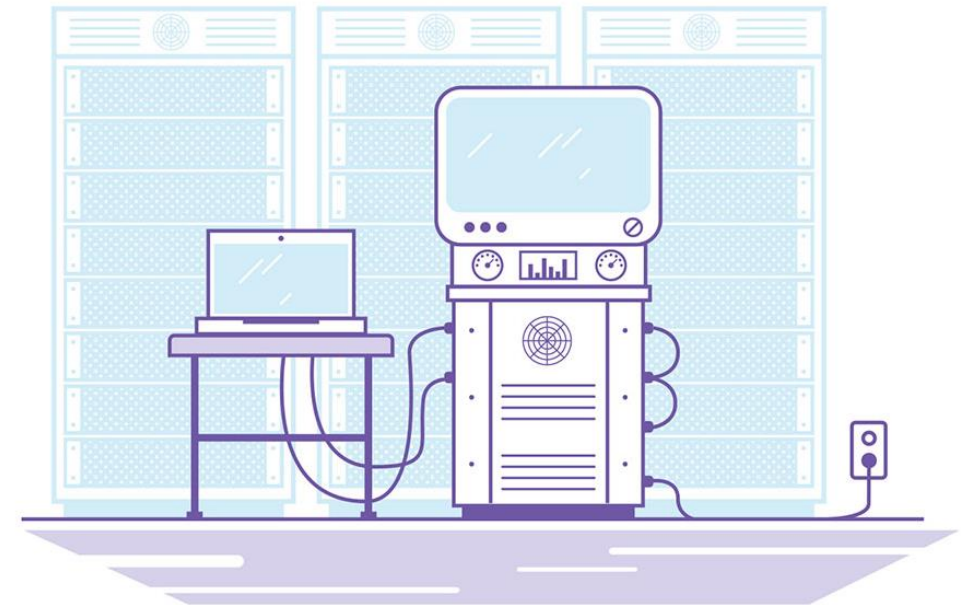
- Sending data flows to eSett
  - All data flows available for testing in 15-min & 60-min
- Receiving data flows from eSett
  - All data packages provided by eSett available for testing in 15-min & 60-min
- Online Service
  - New 15-min related views for Input Data and Settlement
- Information Service
  - Fetching settlement data in 15-min (and other time resolutions)

Hourly Status	Date	Interval	Own Quantity [MWh]	Counter Quantity [MWh]	Matched Quantity [MWh]	Matched Quantity Status
Load previous day						
Open 1 h 53 m to 3rd GC	22.05.2023	00:00-00:15	4,150000	← -4,200000	4,150000	Corrected
	22.05.2023	00:15-00:30	3,900000	← -3,900000	3,900000	Matched
	22.05.2023	00:30-00:45	3,800000	← -3,800000	3,800000	Matched
	22.05.2023	00:45-01:00	3,700000	← -3,700000	3,700000	Matched
	22.05.2023	01:00-01:15	3,800000	← -3,800000	3,800000	Matched
	22.05.2023	01:15-01:30	4,560000	← -4,500000	4,500000	Corrected
	22.05.2023	01:30-01:45	5,000000	← -5,000000	5,000000	Matched
	22.05.2023	01:45-02:00	5,300000	← -5,300000	5,300000	Matched
	22.05.2023	02:00-02:15	5,300000	← -5,300000	5,300000	Matched
	22.05.2023	02:15-02:30	5,500000	← -5,500000	5,500000	Matched



# Open Market Tests - Requirements

- In order to test against the test environment, technical connectivity must be ensured
- Requirements:
  - IP-address where data is sent/received (for firewall opening)
  - Communication channel information (SFTP, SMTP, Web Service, ECP/EDX)
  - Contact information for test environment Online Service admin
- Please provide this information when contacting eSett about testing
  - eSett will give you “Test document for participants”, which will help with test requirements and test procedures



# Open Market Tests – Connection to test environment

## **Messaging Service – ECP/EDX Channel**

eSett's endpoint: 44V000000000028C

## **Messaging Service – Web Service Channel**

URL: <https://testservice2.esett.com/MSGS/messagingServiceInputInterface>

WS-Security Credentials: Separately distributed by eSett

## **Messaging Service – FTP Channel**

Host: <sftp://testservice2.esett.com/>

Protocol: SFTP

Port: 22

Username/password: Separately distributed by eSett

## **Messaging Service – SMTP Channel**

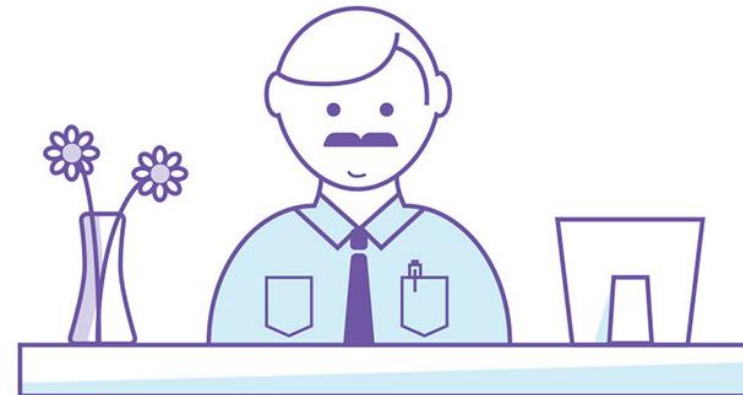
Host: [testservice2.esett.com](https://testservice2.esett.com)

Protocol: SMTP

Port: 25

Security: SSL/TLS

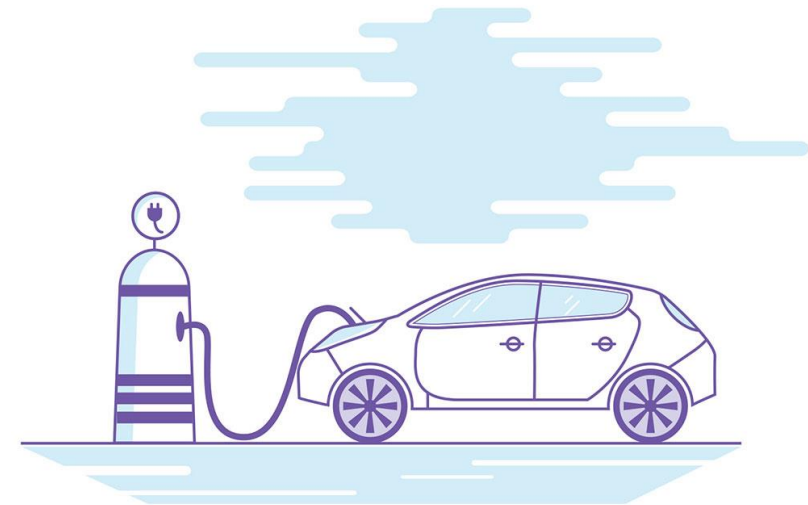
E-mail: [inbox@testservice2.esett.com](mailto:inbox@testservice2.esett.com)





# Open Market Tests – Support during testing

- eSett's customer service supports test participants during the testing period
- Please start the subject line of the email/service request with "15-min ISP testing"
- Contact channels:
  - Service request
  - Email
  - Phone





## Questions and additional information?

### Commissioning plan:

esett.com » Projects » 15-minute Settlement  
» [15 min ISP Commissioning plan](#)

### Customer Service:

[settlement@esett.com](mailto:settlement@esett.com)



# Q&A from the Webinar (1/2)

## General

- Q** From 22/5-2023, will continuous trading happen on both Nordpool and Epex?
- A** **Probably both** according to current information. Unfortunately we are missing the confirmation from EPEX. We recommend to confirm the situation with Nord Pool and EPEX.
- Q** Will a Swedish BRP need to be able to receive 15min values from eSett, in some parts from 22 of May, or could they wait closer to November?
- A** **Possibly. No** if the BRP is satisfied with the listed 60 min data packages and other data that they can view in Online Service and receive from Information Service.  
Data packages outside the list will only be in 15 min, so in that case **yes**.
- Q** Did eSett make an evaluation on the impact (eventually the increase) of imbalance costs after the switch to 15 min?
- A** **No**.
- Q** Do market parties actively need to set up new outbound data packages after GL or will the existing data packages automatically be subscribed in 15 min resolution?
- A** Market parties need to actively subscribe to 15 min data packages.

## Data exchange and timeseries

- Q** Will the XSD:s for e.g. MGCO be changed?
- A** **Yes**, and they should be already updated. Latest documents can be downloaded from [Ediel.org](https://www.ediel.org). If you feel that some XSD or other document there is not up-to-date, kindly contact eSett's customer service and we'll sort it out with TSOs.
- Q** When sending in bilateral trade nominations in 60min resolution after GL, do we also receive confirmation reports in 60min resolutions as well, or will it be always 15min resolution?
- A** **Always 15 min** for bilateral trades. After the GL, data is saved in 15 min, so also the matching is done in 15 min.
- Q** How do you handle corrections back in time to the new timeseries around the go-live?  
Will the new 15-min timeseries include hourly corrections for the period before go-live?
- A** Any timeseries that have validity start before GL, will be handled with hourly corrections for the time interval that exists before GL, and 15 min corrections for the period after GL.  
Any timeseries that are valid from the GL or later, will be handled only in 15 min.

# Q&A from the Webinar (2/2)

## Testing

**Q** Can you recap, what are the market participant roles that can test against eSett... Are balancing service providers expected to report only to/via BRP, or (also) direct to eSett?

**A** Balance Responsible Parties (**BRP**), Distribution System Operators (**DSO**), Balancing Service Providers (**BSP**) [only receiving values], Service Providers (**SP**), Datahubs and Transmission System Operators (**TSO**).

BSPs don't and won't report anything to eSett, and since individual BSPs are currently not allowed, they will operate together with the BRP role.

**Q** Is it possible to use existing user IDs in eSett's test system, or do we need to create new ones for this testing?

**A** If you have an active user in eSett's production environment, yes. Otherwise no.

In any case, someone from your company needs to contact eSett, so that we will activate the admin user for you in test.

**Q** Do I have access to the raw xml exchanged in the testing portal?

**A** **Yes.** From *Messages » View Messages* if you open the message details from the arrow [▶] from the rightmost column and download the message file.

**Q** Can the go-live date be simulated in the test portal?

**A** **Yes.** Go-live time is set to Monday 6.2.2023 00:00 CET in the test environment.

**Q** Is there recommended test cases regarding each market party?

**A** **Yes.** eSett will provide a test document with an overview of recommended test cases once you contact to eSett's customer service regarding the testing. However, it is not mandatory to follow those.

We also recommend that you will perform some "free testing" based on your own needs.



WE SETTLE, TOGETHER!

