

MATS GoTo Session #3



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EPEX SPOT Webinar
20 February 2025



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Agenda

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02	Feature Spotlight • Indexes and Market results screens • API: Order management lifecycle - order ID, version numbers, etc.	08
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Your panelists



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MATS Project Manager



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Senior Marketing Manager



Jean-Marc POURNIN
API Customer Services Manager



Elodie PELZER
MO Auction – MATS Support



Jyothi JOSE
API CS Specialist

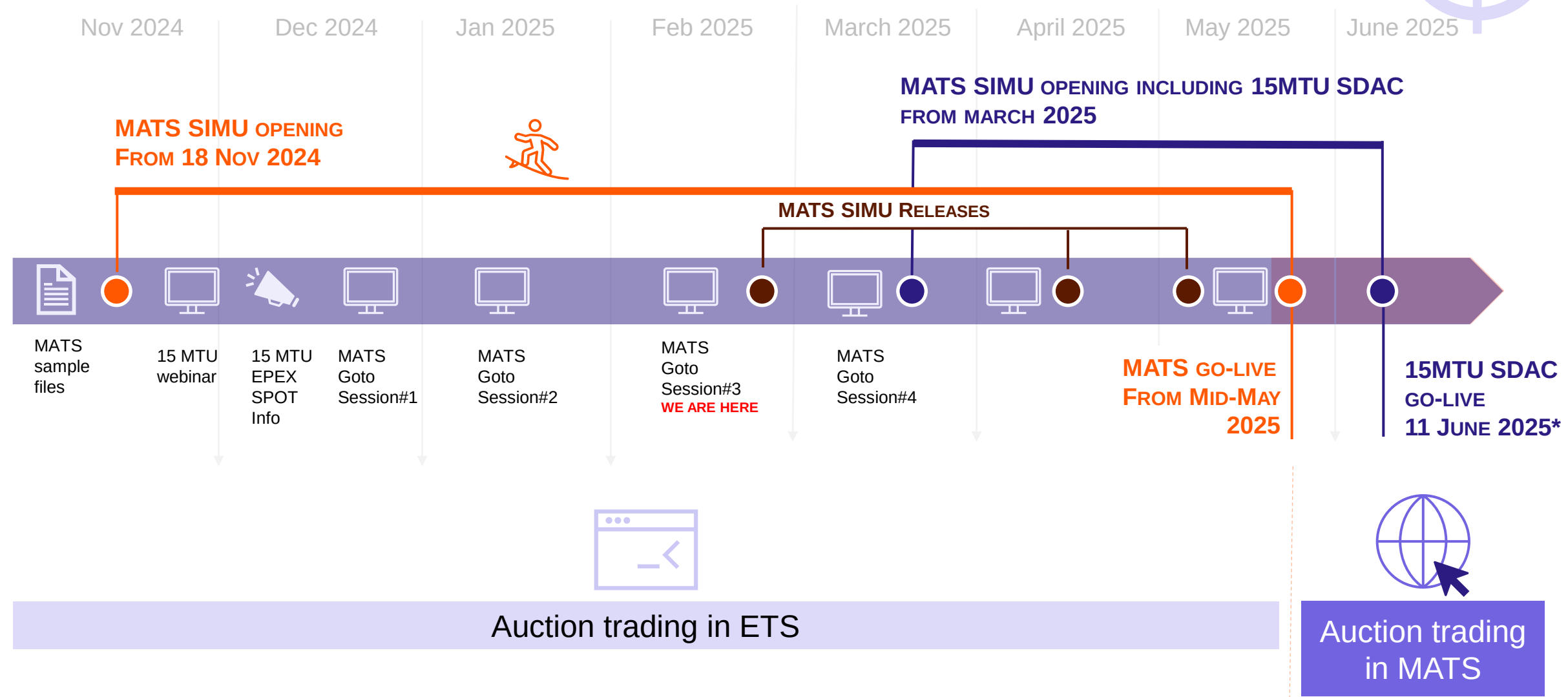
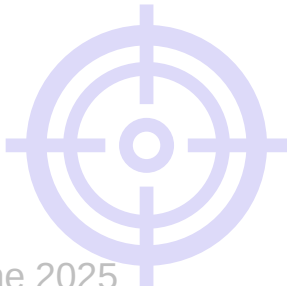
Also,
Matthieu NEAUPORT, MATS Product Owner
Luisa NEUBERT, Sales Assistant

Welcome & Introduction

01

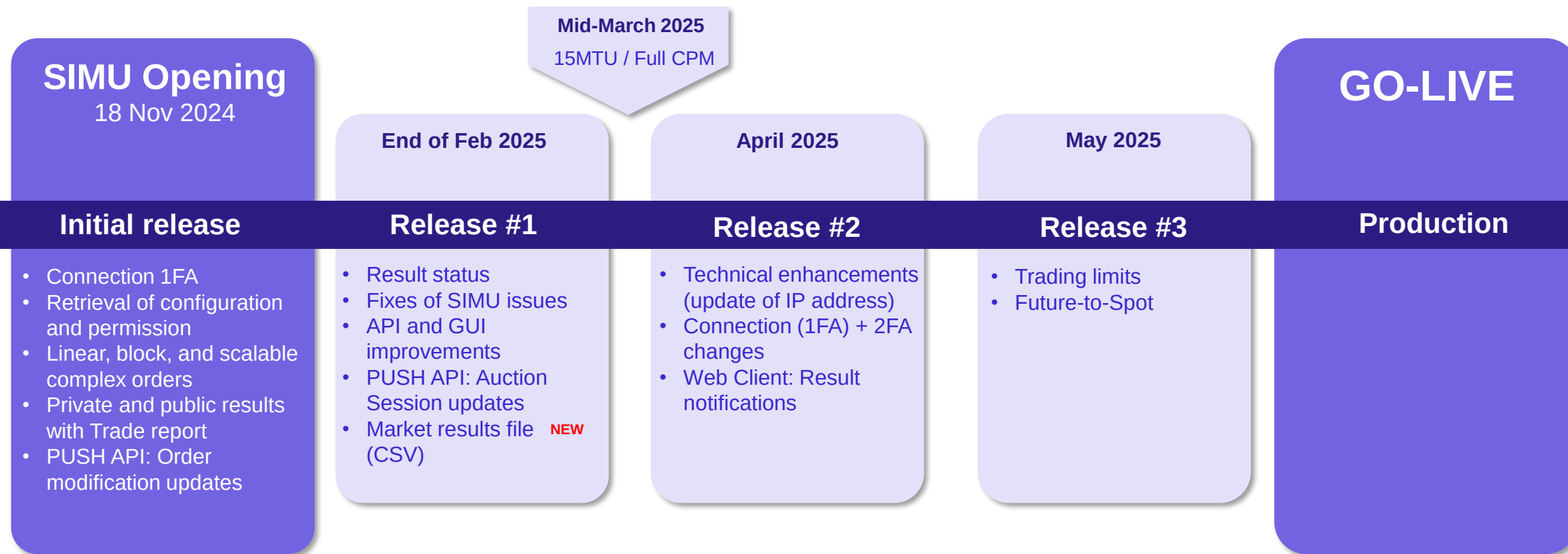


Timeline: 15MTU SDAC project and MATS



MATS Roadmap*

The road towards delivery of MATS Go-live (subject to successful testing)



Feature Spotlight

02



The live demo



Market results

What you can expect today

After today's session, you will know:

- › How to access Indexes and My results screens
- › What information is available in these screens
- › What customizations are available
- › How to view different currencies in Indexes
- › How permissions affect what you see
- › How to download relevant reports

Useful documentation

- › Web client user manual to understand the elements of the screen
- › Check the latest version of 'MATS & ETS – Changes overview' document, specifically points related to:
 - › User permissions
 - › Block definition / index naming (updated version coming)



What changes can you expect in Release #1?

Order management

Activity log

epexspot

11:28:36 CET

RM

Indexes

Status

Final

Auction date

17 June 2025

Auction

CORE

Trade report XML

Mkt results CSV

	AT		BE		DE/LU		FR		NL	
	MCP	MCV	MCP	MCV	MCP	MCV	MCP	MCV	MCP	
Predefined blocks 4										
Baseload	€ 1318.35	8.0	€ 1318.35	8.0	€ 1318.35	8.0	€ 1318.35	8.0	€ 1318.35	
Peakload	€ 1223.72	32.0	€ 1223.72	32.0	€ 1223.72	32.0	€ 1223.72	32.0	€ 1223.72	
Off Peak 1	€ 1318.35	8.0	€ 1318.35	8.0	€ 1318.35	8.0	€ 1318.35	8.0	€ 1318.35	
Off Peak 2	€ 1223.72	32.0	€ 1223.72	32.0	€ 1223.72	32.0	€ 1223.72	32.0	€ 1223.72	
Periods 96										
1	€ 1318.35	8.0	€ 1318.35	8.0	€ 1318.35	8.0	€ 1318.35	8.0	€ 1318.35	
2	€ 1223.72	32.0	€ 1223.72	32.0	€ 1223.72	32.0	€ 1223.72	32.0	€ 1223.72	
3	€ 1318.35	8.0	€ 1318.35	8.0	€ 1318.35	8.0	€ 1318.35	8.0	€ 1318.35	
4	€ 1392.64	16.0	€ 1392.64	16.0	€ 1392.64	16.0	€ 1392.64	16.0	€ 1392.64	
5	€ 1429.79	4.0	€ 1429.79	4.0	€ 1429.79	4.0	€ 1429.79	4.0	€ 1429.79	
6	€ 1264.23	16.0	€ 1264.23	16.0	€ 1264.23	16.0	€ 1264.23	16.0	€ 1264.23	
7	€ 1345.85	32.0	€ 1345.85	32.0	€ 1345.85	32.0	€ 1345.85	32.0	€ 1345.85	
8	€ 1276.34	8.0	€ 1276.34	8.0	€ 1276.34	8.0	€ 1276.34	8.0	€ 1276.34	
9	€ 1308.18	16.0	€ 1308.18	16.0	€ 1308.18	16.0	€ 1308.18	16.0	€ 1308.18	
10	€ 1223.72	32.0	€ 1223.72	32.0	€ 1223.72	32.0	€ 1223.72	32.0	€ 1223.72	
11	€ 1318.35	8.0	€ 1318.35	8.0	€ 1318.35	8.0	€ 1318.35	8.0	€ 1318.35	
12	€ 1392.64	16.0	€ 1392.64	16.0	€ 1392.64	16.0	€ 1392.64	16.0	€ 1392.64	
13	€ 1429.79	4.0	€ 1429.79	4.0	€ 1429.79	4.0	€ 1429.79	4.0	€ 1429.79	
14	€ 1264.23	16.0	€ 1264.23	16.0	€ 1264.23	16.0	€ 1264.23	16.0	€ 1264.23	
15	€ 1345.85	32.0	€ 1345.85	32.0	€ 1345.85	32.0	€ 1345.85	32.0	€ 1345.85	
16	€ 1276.34	8.0	€ 1276.34	8.0	€ 1276.34	8.0	€ 1276.34	8.0	€ 1276.34	
17	€ 1308.18	16.0	€ 1308.18	16.0	€ 1308.18	16.0	€ 1308.18	16.0	€ 1308.18	
18	€ 1276.34	8.0	€ 1276.34	8.0	€ 1276.34	8.0	€ 1276.34	8.0	€ 1276.34	
19	€ 1308.18	16.0	€ 1308.18	16.0	€ 1308.18	16.0	€ 1308.18	16.0	€ 1308.18	
20	€ 1276.34	8.0	€ 1276.34	8.0	€ 1276.34	8.0	€ 1276.34	8.0	€ 1276.34	
Avg/Sum	€ 1276.34	2734.0	€ 1276.34	2734.0	€ 1276.34	2734.0	€ 1276.34	2734.0	€ 1276.34	27

15m 6

Close

View my results

Notifications will be available from Release #2

API : Package updates



**API Portal has been updated as of 14th Feb 2025.
Some high-level details are listed below:**

- Data type fixes/changes for fields: duration, orderId, date
- Alignment of some objects/elements same as the actual system response
 - `_data` element is indicated as mandatory as this field is always returned in the response
 - `_notification` is defined as a single object
- Correction of typo mistakes
 - Field name: period**s**Results corrected to periodResults
 - Enum value: Accepted corrected to Executed



*These changes were strictly to API schema definition.
System behavior were not changed or impacted*

Detailed description of the released changes is available:

- <https://mats.portal.swaggerhub.com/mats-api/default/change-log>

Document version history



v1.2.0

- Release date: 14-02-2025
- Change details:
 - Data type of the query parameter, "duration" [Used in the API resources like Retrieve Linear Order, Retrieve Block Order etc] is updated from number to integer.
 - Previous version of the API documentation indicated that `"_notification"` is an array of WarningNotification. In the system, it is not actually an array but only the warnings attribute is an array. `"_notification"` is a single object.
 - In the block order related API resources, it was indicated that `"submissionSequenceNumber"` is mandatory. Even though this field is always returned in the API response block order resources; the value of this field can be `"null"`. (In case of C01 block). API document is updated to indicate the field `"submissionSequenceNumber"` is optional.
 - Data type of `"orderId"` field is changed from integer to integer
 - For Scalable complex orders, additional properties minimum & maximum for `"orderId"` is removed
 - For API: Retrieve FX rate, format of query parameter `"date"` changed from date-time to date
 - For DELETE linear order and scalable complex order end points, previously it was indicated that data is returned as a single object. API document is updated to correctly indicate that data is returned as an array.
 - `_data` element in swagger was not tagged as `"mandatory"` element. As per system design, `"_data"` element is always returned in the response even if it is with an empty array/object. In the API documentation, `"_data"` element is tagged as `"mandatory"`
 - For the below API end points, the objects curve & curve points were defined in each API resource individually. To avoid high maintenance and avoid generation of classes with same objects and same names which are same in principle and functional perspective, a common model is used and linked these API resources using the keyword `$ref`

API Package Updates

REST API Client App Design Guide:

- › Functional elaboration about auction session status and result status
- › Timeout and recovery procedure

PUSH Client App Design Guide:

- › Details of new event: “auctionSession”
- › Technical guidance on Push connection for C# customers

MATS REST API Errors & Warnings:

- › Extension of list with errors
- › Removal of few existing error codes

NEW - MATS Push Errors:

- › Introduce new dedicated document with list of errors related to Push

NEW - MATS Environment Details:

- › Introduce new dedicated document with environment details

API Portal:

Change	Impacted API calls
New field “clientId”	• Retrieve Linear Orders • Submit/Modify Linear Orders • Retrieve Linear Order • Delete All Linear Orders • (Applicable for Block Orders & Scalable Complex Orders)
New field “resultStatus”	• Retrieve Auction Sessions • Retrieve Auction Session Information
New field “submittedVolume”	• Retrieve Block Order Results
New optional query param: “participant”	• Retrieve Linear Order Results • Retrieve Block Order Results • Retrieve Scalable Complex Order Results
New API endpoint to retrieve Market Results Report (CSV)	• Retrieve Market Result Report (CSV)
Update of API response content from raw XML to JSON format	• Retrieve Trade Report (XML)
Additional properties such as minLength, maxLength, minimum, maximum, pattern	• Submit/Modify Linear Orders • Submit/Modify Block Orders • Submit/Modify Scalable Complex Orders

API : Order management lifecycle -
order ID, version numbers, ...



Order management life cycle: **Linear Orders** (and Scalable Complex orders)

Order Id, Version

ETS API

- **Creation:** key = portfolio / area / auction
- **Modification:** a new order Id gets generated
- **Deletion:** cancellation.
 - a new order Id gets generated (!)
- **Retrieval:** only the active versions of each order are returned (deleted not visible).
- *Order Status* not visible in the API.

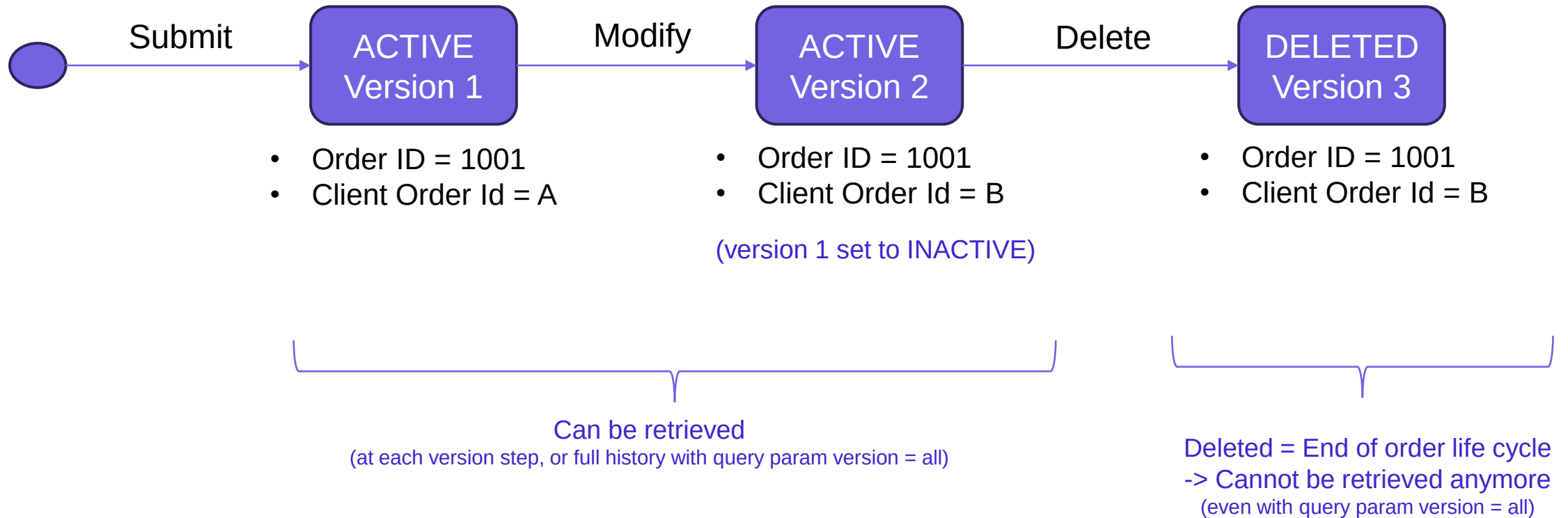
MATS API

- **Creation:** key = auction session Id / portfolio / bidding level / duration
 - 1 single linear order per key
 - ACTIVE status
 - Optional *Client Order Id* (will be provided in all responses, incl. Retrieve)
- **Modification:**
 - key = creation key + order Id
 - **order Id must be provided and does NOT change**
 - Error if the order Id is not provided :
 - Error code = OLSIF0036 "You cannot submit more than 1 linear order for the **Portfolio:** COMPANYA-T02, **Bidding Level:** BE-ELIA and **Duration:** 60. Order submission is rejected"
 - new version = previous version +1
 - *Client Order Id* can be modified (to fit your own order life cycle)
- **Deletion:** DELETED status; same order Id; new version = previous version +1
- **Retrieval:**
 - only the ACTIVE version of linear orders related to an auction session. (DELETED orders are not visible).
 - Possibility to retrieve all versions of an ACTIVE order.

Order management life cycle: Linear Orders

Order Id, Version

MATS API



Order management life cycle: **Block Orders**

Order Id, Version

ETS API

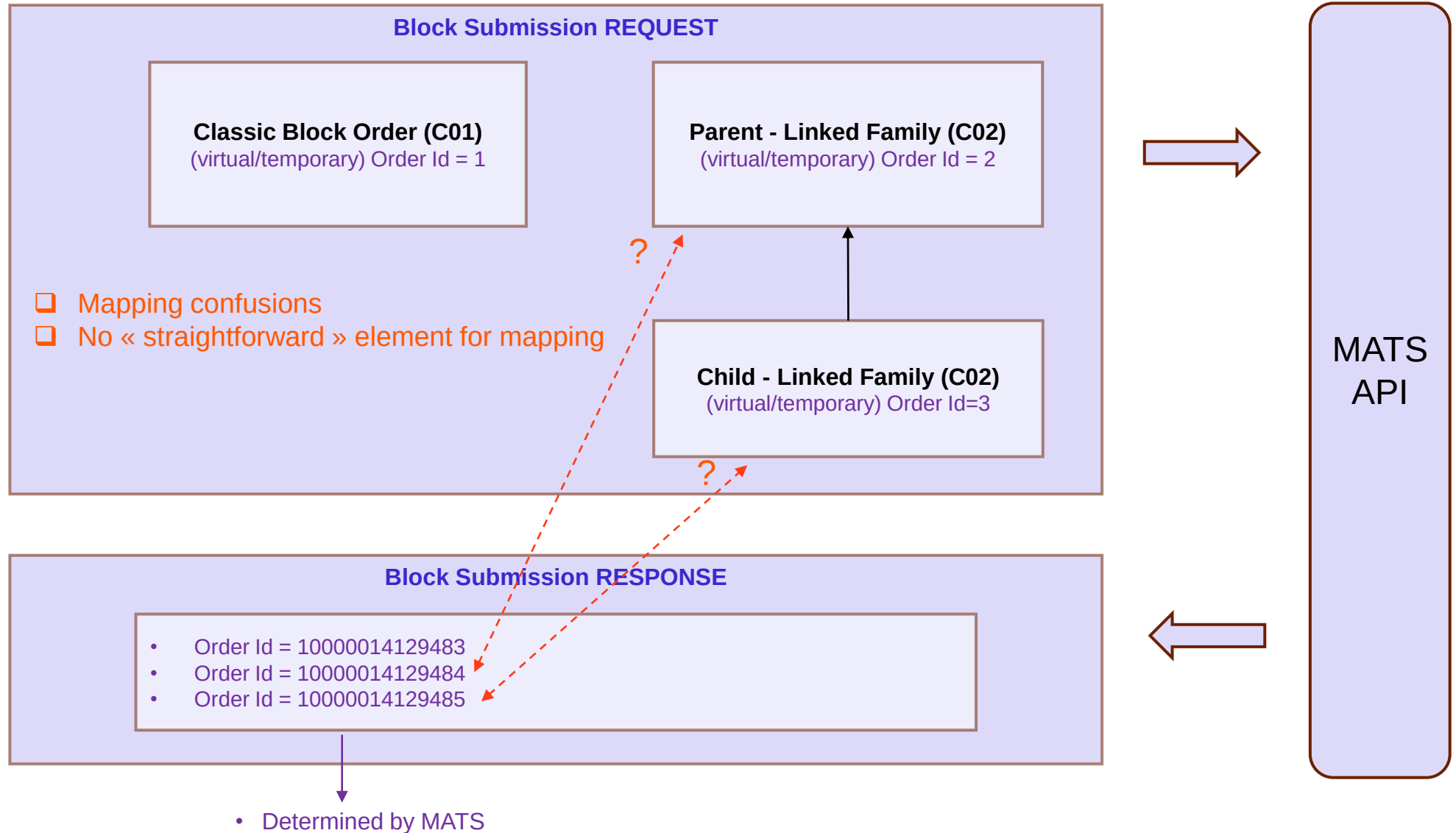
- › **Creation:** key = portfolio / area / auction
- › **Modification :** a new order Id gets generated
 - › BlockIndexMapping done via *blockIndex*, *blockCodePRM* and *BlockOrderId*
- › **Deletion:** cancellation
- › **Retrieval :** Only the active versions of each order are returned (deleted not visible).
- › *Order Status* not visible in the API.

MATS API

- › **Creation:** key = auction session Id / portfolio / bidding level / duration
 - › If the Order Id in the request does not exist in MATS : considered as a new order.
 - › The range [1, 9999] is reserved to customers virtual/temporary order Ids.
 - › Optional *Client Order Id* (will be provided in all responses, incl. Retrieve).
 - › *blockCodePRM* and Order Id: Parent-child relation (see next slide).
- › **Modification:**
 - › Same behavior as Linear orders.
 - › When needing to modify a block order, **if this block is part of a family or group**, then all block orders which are part of this family or group must be provided in the modification request (even if no change is performed).
- › **Deletion:**
 - › When deleting a block order, **if this block is part of a family or group**, then all block orders which are part of this family or group are deleted.
- › **Retrieval:**
 - › Same behavior as Linear orders.

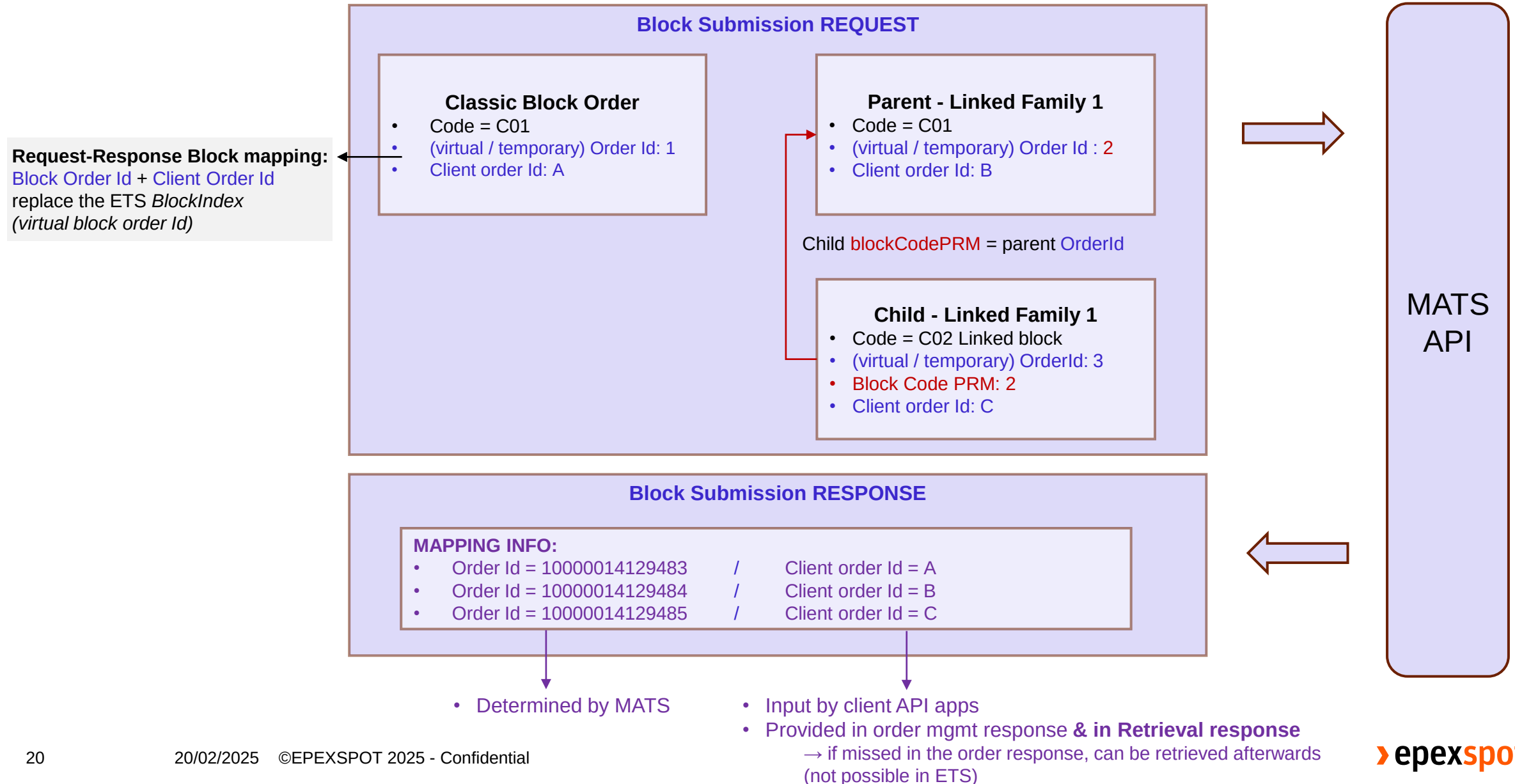
Order management life cycle: **Block Orders**

MATS Initial Release & block Mapping



Order management life cycle: **Block Orders**

Mapping with Client Order Id



Member Readiness

03



Member Readiness Criteria

A new form created to ensure your readiness together

We want to make sure you can:

- › Connect to the system with 1FA and (re-)set your password
- › Retrieve orders and necessary configuration information
- › Submit, modify, delete, export different order types and understand the key business rules differences
- › View / retrieve public and private results, download Trade Report
- › View Trading limits
- › Use the PUSH (if it is of interest to you)



Next elements to be delivered throughout SIMU:

Connection changes (1FA)
Second-factor authentication (2FA)

Planned in Release #2

Future-to-Spot orders

Planned in Release #3

Market Results file

Coming up in Release #1!

Trading limits

Planned in Release #3

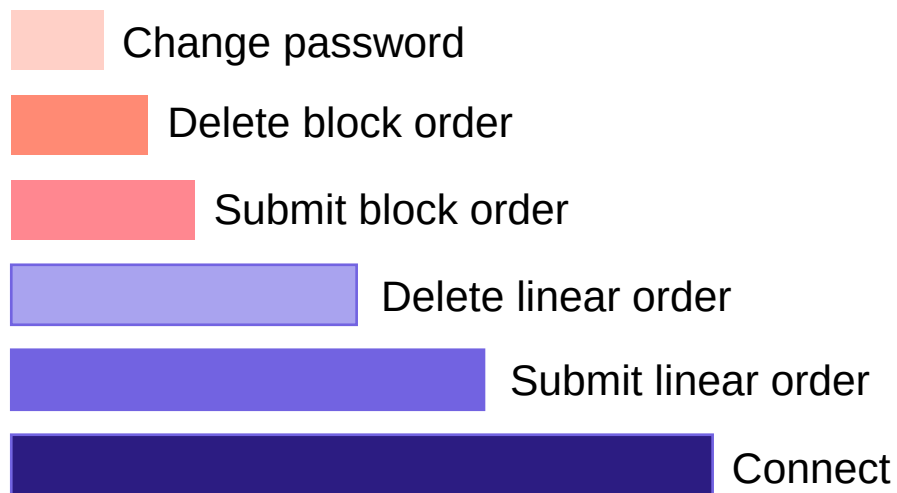
We have started and will continue calling you directly. As it may take some time until we reach everyone, we kindly ask you to fill in already the member readiness FORM.

Member testing

Another layer of achieving the readiness

Self-paced testing...

- › Since SIMU opening, we have been running all auctions on daily basis (excl. weekend and public holidays)
- › This will continue throughout SIMU phase; however, we want to complement this with specific testing sessions to help you tick as many boxes as possible to help you get comfortable with MATS



trading participants

... can be enriched with scheduled testing sessions focused on readiness checklist

- › From March, we are scheduling testing sessions
- › We will target a week each month where we will have three days of testing in a row
- › First run planned 11-13 March, communication will follow to confirm
- › These sessions are optional, but we strongly encourage you to take advantage of these specific sessions to improve your MATS readiness





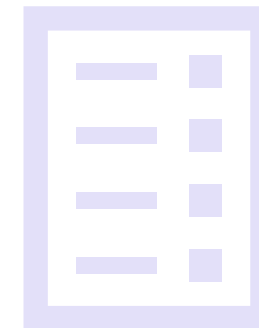
POLL

Following our webinar, simulation opening and communication releases, how would you describe your autonomy?



Your material

MATS Overview and updates



MATS Toolkit



Get Started Checklist

Explanation of the package with useful links



MATS Fundamentals

MATS functional specification and sample files



MATS & ETS – Changes overview

Notable changes between MATS and ETS



MATS FAQ

Frequently asked questions from MATS community



MATS API package

Specifications and sample codes



MATS Portal



Web client Userguide

Comprehensive userguide of MATS web client



API Swagger

Comprehensive description of the structure of the API



Customer support



mats-support

@epexspot.com



mats-support-svpx

@epexspot.com

Q&A

04



The background of the slide features a collage of financial charts. At the top, there's a candlestick chart with red and green bars, overlaid with several blue and orange trend lines. Below this, there's a line chart with multiple colored lines (blue, green, orange, purple) showing fluctuating data. At the bottom, another line chart is visible, primarily in yellow and blue. The overall aesthetic is high-tech and data-driven, typical of financial markets.

part of eex group

› **epexspot**

MATS GoTo session #4 : 24 March 2025

We remain available at:

- mats-support@epexspot.com
- mats-support-svpx@epexspot.com