

MATS GoTo Session #7



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EPEX SPOT Webinar
22 May 2025



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Agenda

- 01** **MATS go-live date and planning**
- 02** **Feature spotlight**
 - **Upcoming release - Trading limits**
- 03** **Client certificate principles (reminder)**
- 04** **API Conformance testing campaign**
- 05** **Q&A**

Your panelists



Marko BEZBRADICA
MATS Project Manager



Audrey GIFFARD
Senior Marketing Manager



Jyothi JOSE
API CS Specialist



Abdoulaye SARRE
Expert Business System Analyst

Also

Jean-Marc POURNIN, Head of API Customer Services

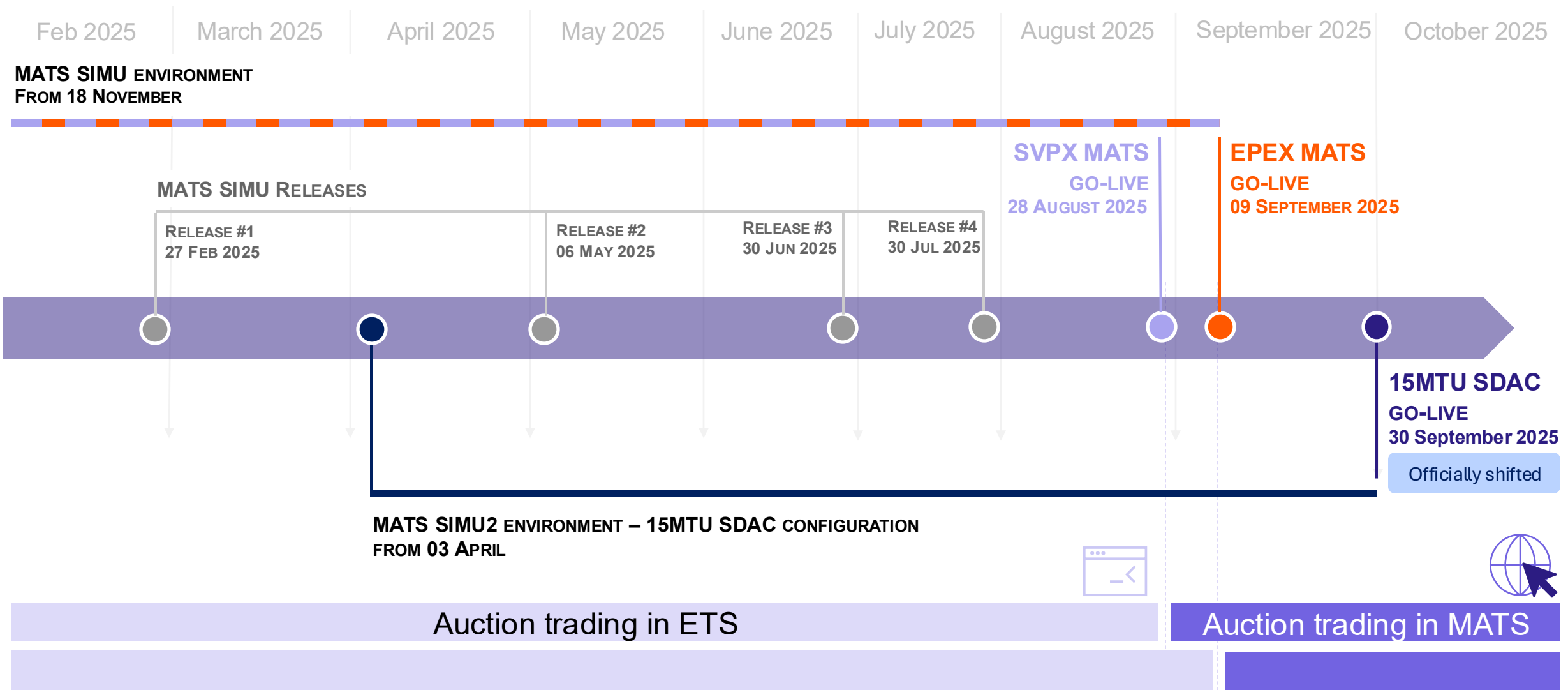
Luisa NEUBERT, Senior Sales & Customer Event Coordinator

Elena BOSISIO, Sales & Customer Event Coordinator

MATS go-live date and planning

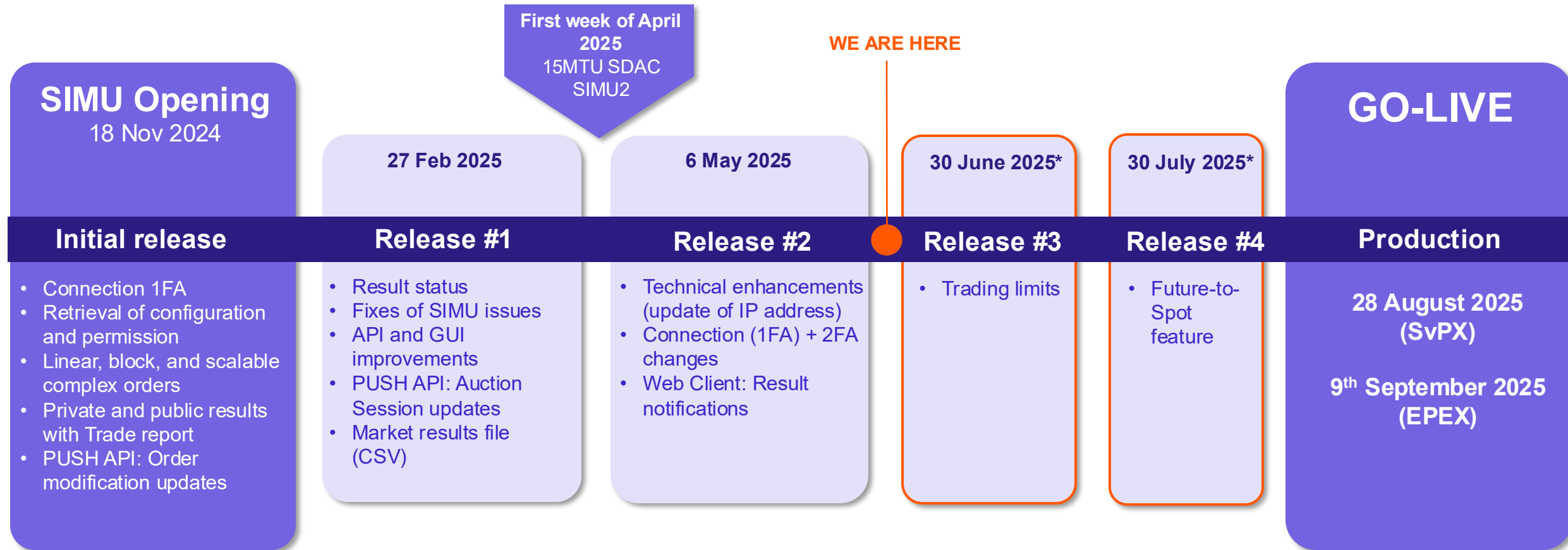
01





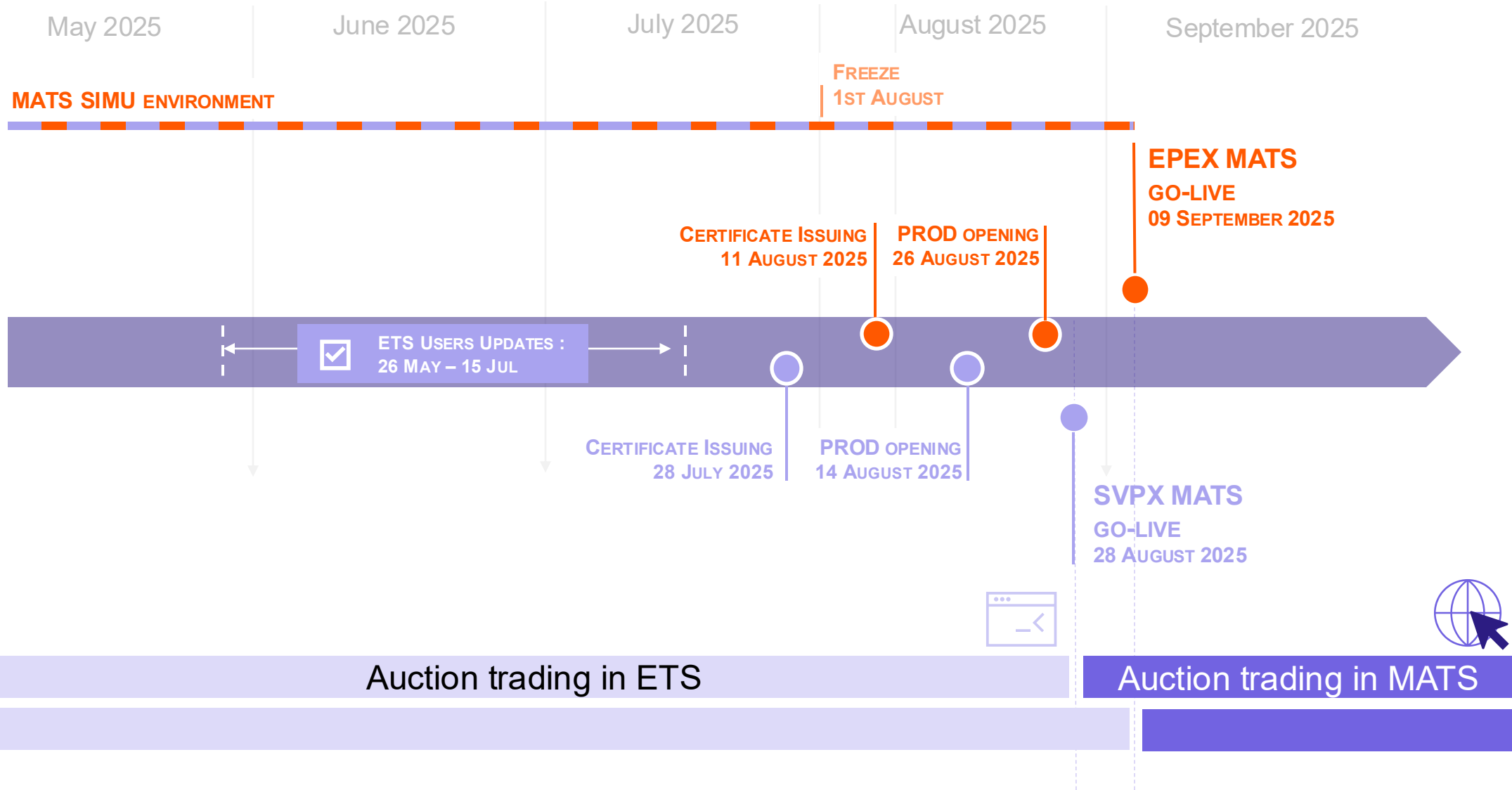
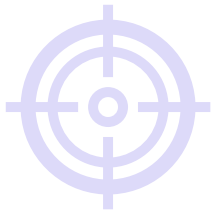
MATS Roadmap

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



* Release dates to be further confirmed

MATS Go-live readiness planning



MATS – Trading Limits

Upcoming Release

02



Why have financial trading limits?

- Trading limits are introduced in order to protect Clearing Members (CM) against the case that one of their customers exceeds their security margin.
- The objective is therefore to monitor the financial exposure of submitted orders:
 - to **avoid members overexposure**
 - to **limit financial risks**
- Trading limits can hence be considered as a **safeguard against errors at the submission** of order or **possibly evil intention**.
- CM had asked for the implementation of a tool which would allow them to better manage the default risk of Non-Clearing Members (NCM) beyond the usual one-day credit risk.
- In addition, trading limits lower the entry barrier for new clients that could otherwise not be admitted due to the lack of effective pre-trade limits.

What's new regarding the trading limits?

- New **designs**,
- New **API** resources,
- One process simplification: Each settlement member will be limited to a single settlement currency.
 - Multiple trading limits may still be defined, but all must be in the same settlement currency,
 - If trading limits in different currencies are required (e.g., one in GBP and another in EUR), a separate settlement member account must be set up with both EPEX and ECC

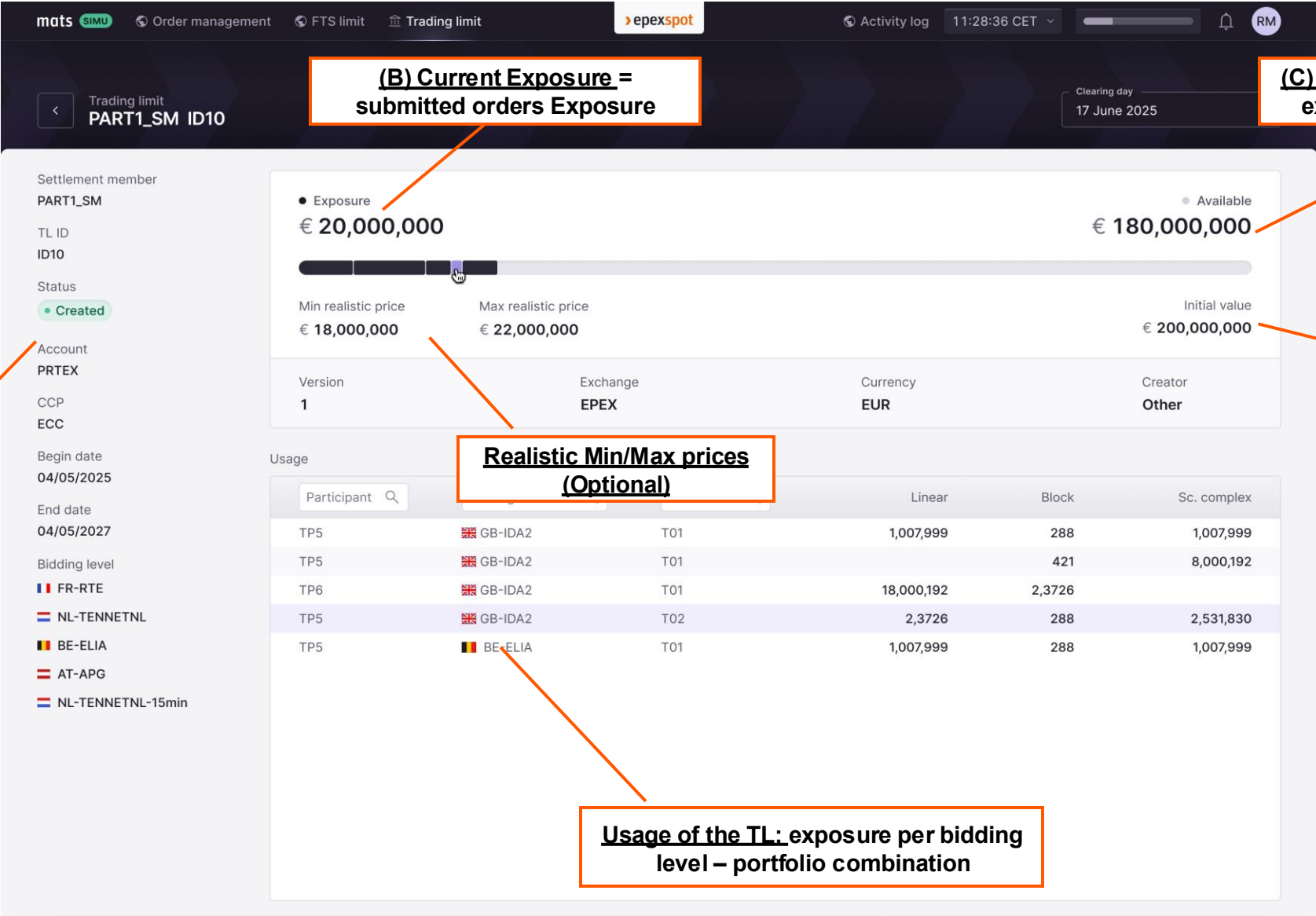
Quick view

(C) Current Value of the TL = (A) Max exposure – (B) Current Exposure

(A) Initial Value of the TL =
agreed with CM Max exposure

Trading limits monitoring in MATS (2/5)

Details view



(B) Current Exposure = submitted orders Exposure

(C) Current Value of the TL = (A) Max exposure – (B) Current Exposure

Trading Limits details

(A) Initial Value of the TL = agreed with CM Max exposure

Realistic Min/Max prices (Optional)

Usage of the TL: exposure per bidding level – portfolio combination

Trading limits monitoring in MATS (3/5)

Overview

Trading limit Overview

Clearing day
17 June 2025

Trading Limits research filters

(C) Current Value of the TL = (A) Max exposure – (B) Current Exposure

(A) Initial Value of the TL = agreed with CM Max exposure

(B) Current Exposure = submitted orders Exposure

PART	TL ID	Account	Begin date	End date	Exposure	Current	Initial
PART1_SM	ID10	PRTEX	04/05/2025	04/05/2027	€ 4,000,000	€ 20,000,000	€ 24,000,000
PART1_SM	ID254	PRTEX	04/05/2025	04/05/2027	€ 20,000,000	€ 4,000,000	€ 24,000,000

Show inactive

Show in UI View details

Trading limits monitoring in MATS (4/5)

Order submission: positive check

1

Only one limit cover the portfolio for the bidding level...

Limit initial value: 20 M€
Limit current value: 20 M€
Exposure: 0.00€

All orders in the system	
Exposure	0
Current	20.000.000
Initial	20.000.000
Currency	EUR
SM	SM4291
TL	TL32

An initial value for trade limit is defined for each delivery day and is decreased by the exposure of submitted linear orders and block orders...

2

Order accepted and active

Linear order	
14 Apr 15:56	
Order status	Active
Order ID	4800729
Auction type	17 June '025
Closure time	12:00 CE
Auction name	PWR-MR D+1
Delivery date	18 Jun '023
Order type	RT-T01
Duration	15m
Currency	EUR
SM	SM4291
TL	TL32

	€ -500	€ 4,000
1	4.0	4.0
2	4.0	4.0
3	4.0	4.0
4	4.0	4.0
5	-2.0	-2.0
6	-2.0	-2.0
7	-2.0	-2.0
8	-2.0	-2.0
9	MW	MW
10	MW	MW
11	MW	MW
12	MW	MW
13	MW	MW
14	MW	MW
15	MW	MW
16	MW	MW
17	MW	MW
18	MW	MW
19	MW	MW
20	MW	MW
21	MW	MW

...This means that the financial exposure of a new order entered in MATS is checked for compliance against all Financial Limits.

3

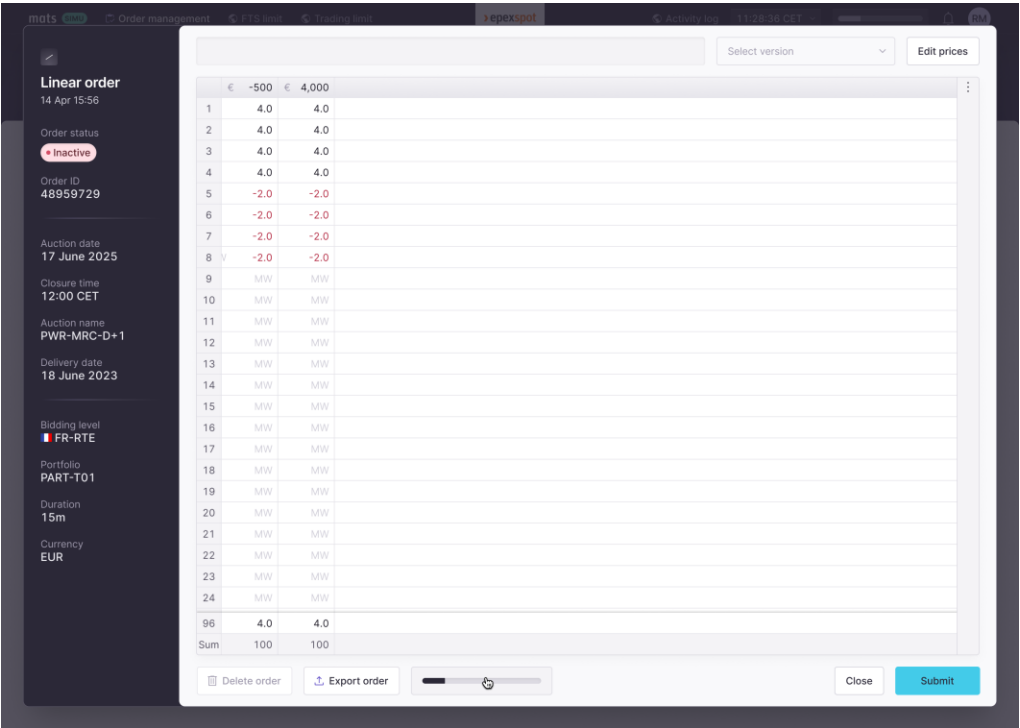
...and the value of this limit has been impacted by the inserted order

Limit initial value: 20 M€
Limit current value: 19,600,000.00 €
Exposure: 400,000.00 €

All orders in the system	
Exposure	400.000
Current	19.600.000
Initial	20.000.000
Currency	EUR
SM	SM4291
TL	TL32

Trading limits monitoring in MATS (5/5)

Order submission: negative check

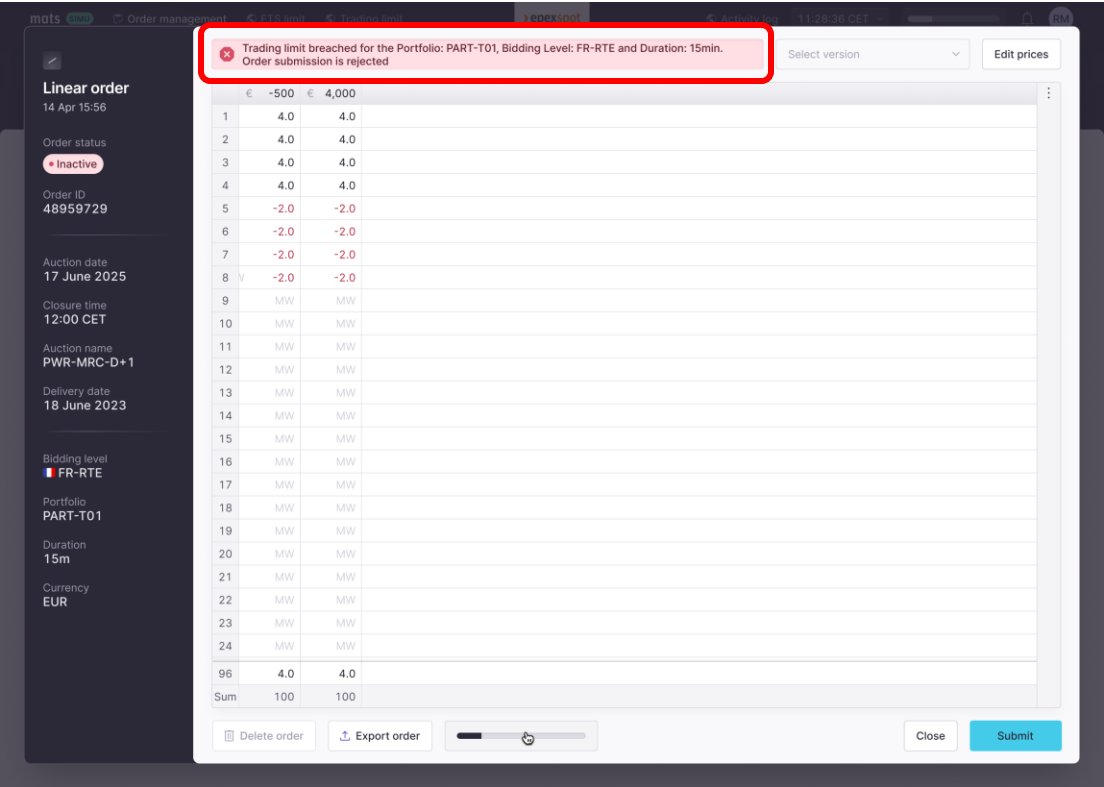


Linear order
14 Apr 15:56
Order status
Inactive
Order ID
48959729
Auction date
17 June 2025
Closure time
12:00 CET
Auction name
PWR-MRC-D+1
Delivery date
18 June 2023
Bidding level
FR-RTE
Portfolio
PART-T01
Duration
15m
Currency
EUR

	€ -500	€ 4,000
1	4.0	4.0
2	4.0	4.0
3	4.0	4.0
4	4.0	4.0
5	-2.0	-2.0
6	-2.0	-2.0
7	-2.0	-2.0
8	-2.0	-2.0
9	MW	MW
10	MW	MW
11	MW	MW
12	MW	MW
13	MW	MW
14	MW	MW
15	MW	MW
16	MW	MW
17	MW	MW
18	MW	MW
19	MW	MW
20	MW	MW
21	MW	MW
22	MW	MW
23	MW	MW
24	MW	MW
96	4.0	4.0
Sum	100	100

Delete order Export order Close Submit

...the following message is displayed to indicate submission rejection:
NB: in case a batch of orders is submitted, and one of the order does not comply with a TL, then the whole submission batch is rejected.



Linear order
14 Apr 15:56
Order status
Inactive
Order ID
48959729
Auction date
17 June 2025
Closure time
12:00 CET
Auction name
PWR-MRC-D+1
Delivery date
18 June 2023
Bidding level
FR-RTE
Portfolio
PART-T01
Duration
15m
Currency
EUR

Trading limit breached for the Portfolio: PART-T01, Bidding Level: FR-RTE and Duration: 15min.
Order submission is rejected

	€ -500	€ 4,000
1	4.0	4.0
2	4.0	4.0
3	4.0	4.0
4	4.0	4.0
5	-2.0	-2.0
6	-2.0	-2.0
7	-2.0	-2.0
8	-2.0	-2.0
9	MW	MW
10	MW	MW
11	MW	MW
12	MW	MW
13	MW	MW
14	MW	MW
15	MW	MW
16	MW	MW
17	MW	MW
18	MW	MW
19	MW	MW
20	MW	MW
21	MW	MW
22	MW	MW
23	MW	MW
24	MW	MW
96	4.0	4.0
Sum	100	100

Delete order Export order Close Submit

MATS API – Trading Limits



Trading Limit | GET API Resources (NEW)

API	API resource	Mandatory query param	Function
Retrieve Trading Limits	/api/trading-limits	clearing-date	<i>Allows the user to retrieve the list of trading limits and the corresponding details (such as initial value, exposure, min realistic price, max realistic price etc) for a given clearing date</i>
Retrieve Trading Limit Information	/api/trading-limits/{mainId}	clearing-date	<i>Allows the user to retrieve the details (such as initial value, exposure, min realistic price, max realistic price etc) of a specific trading limit using the mainId for a given clearing date</i>
Retrieve Trading Limit Usages	/api/trading-limits/{mainId}/usages	clearing-date	<i>Allows the user to retrieve the trading limit usage details (such as exposure) for a given trading limit using the main id for a given clearing date</i>

Trading Limits | GET API Responses Example

Retrieve Trading Limits – Collection of trading limits

```
{
  "_data": [
    {
      "mainId": 1267,
      "version": 1,
      "clearingDate": "2025-05-21",
      "exchangeName": "EPEX",
      "centralCounterParty": "CCP",
      "currency": "EUR",
      "status": "Created",
      "creator": "CCP",
      "beginDate": "2024-01-01",
      "endDate": null,
      "value": 3000,
      "currentValue": 2000,
      "exposure": 1000,
      "realisticMinPrice": 0,
      "realisticMaxPrice": 500,
      "settlementMembers": [
        {
          "settlementMemberName": "COMPANY_SM"
        }
      ]
    }
  ]
}
```

Retrieve Trading Limit Information – Single trading limit

```
{
  "_data": {
    "mainId": 1267,
    "version": 1,
    "clearingDate": "2025-05-21",
    "exchangeName": "EPEX",
    "centralCounterParty": "CCP",
    "currency": "EUR",
    "status": "Created",
    "creator": "CCP",
    "beginDate": "2024-01-01",
    "endDate": null,
    "value": 3000,
    "currentValue": 2000,
    "exposure": 1000,
    "realisticMinPrice": 0,
    "realisticMaxPrice": 500,
    "settlementMembers": [
      {
        "settlementMemberName": "COMPANY_SM"
      }
    ]
  }
}
```

Retrieve Trading Limit Usages – Collection of trading limit usages

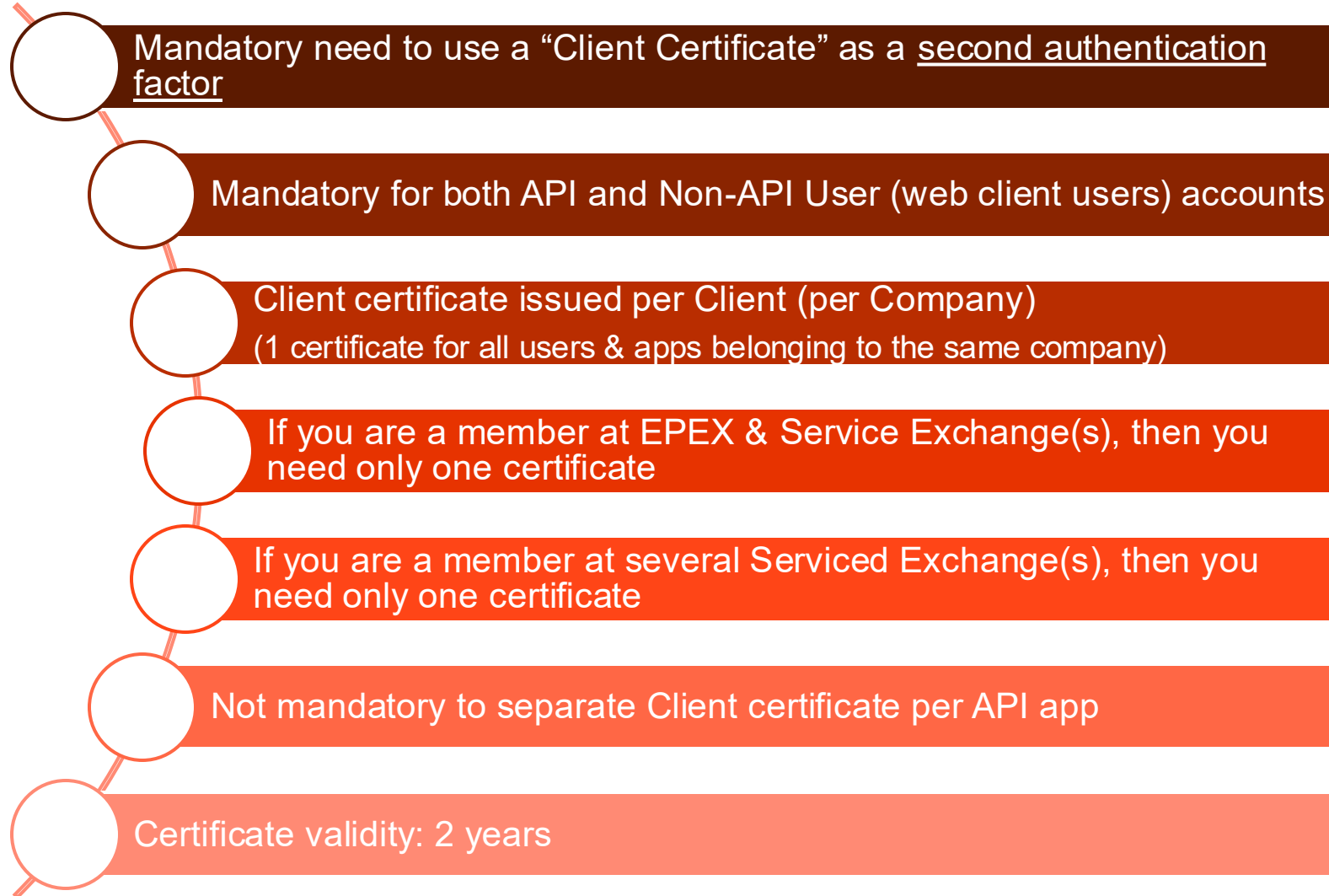
```
"_data": [
  {
    "mainId": 1267,
    "clearingDate": "2025-05-21",
    "portfolioName": "COMPANY-T01",
    "biddingLevelName": "NL-TENNETNL",
    "orderType": "LINEAR",
    "exposure": 1000
  }
]
```

MATS Client Certificate

03



2FA – Two-Factor Authentication - Client certificates principles (for MATS SIMU)



- 1st Factor = user / password
- 2nd Factor = certificate / certif pwd



- You can re-use your existing valid ETS API Certificate (applicable in MATS SIMU)
- Or ask for a new MATS certificate
- Note: If your ETS API certificate is about to expire; Market Ops will contact you

CSR Creation Rules

The following conditions must be met for the creation of the CSR:

- **Only ASCII characters are accepted**
- **Country Name** (2 letter code) :
 - Must respect the country of the company (Validated by Operators)
- **Organization Name:**
 - Must meet your **company short name**
 - Please contact **Market Operation** if you do not remember your company short name, or for API clients use the “name” in the response to a *Retrieve Participant Info* request (cf. MATS REST API portal)
- **Common Name:**
 - your *Organization Name* + “_”+your *Exchange* + “_”+ *environment*
 - where **your Exchange** should be *EPEX* or *SVPX*
 - use *EPEX* if you are a member at *EPEX* exchange
 - use *SVPX* if you are a member at any of the *Serviced Exchange(s)*
 - use *EPEX* if you are a member at both *EPEX* and any of the *Serviced Exchange(s)*
 - where **environment** should be *Simu* or *Prod*
 - Example:
 - *COMPANY_EPEX_Simu* or *COMPANY_SVPX_Simu*
 - *COMPANY_SVPX_Prod* or *COMPANY_SVPX_Prod*

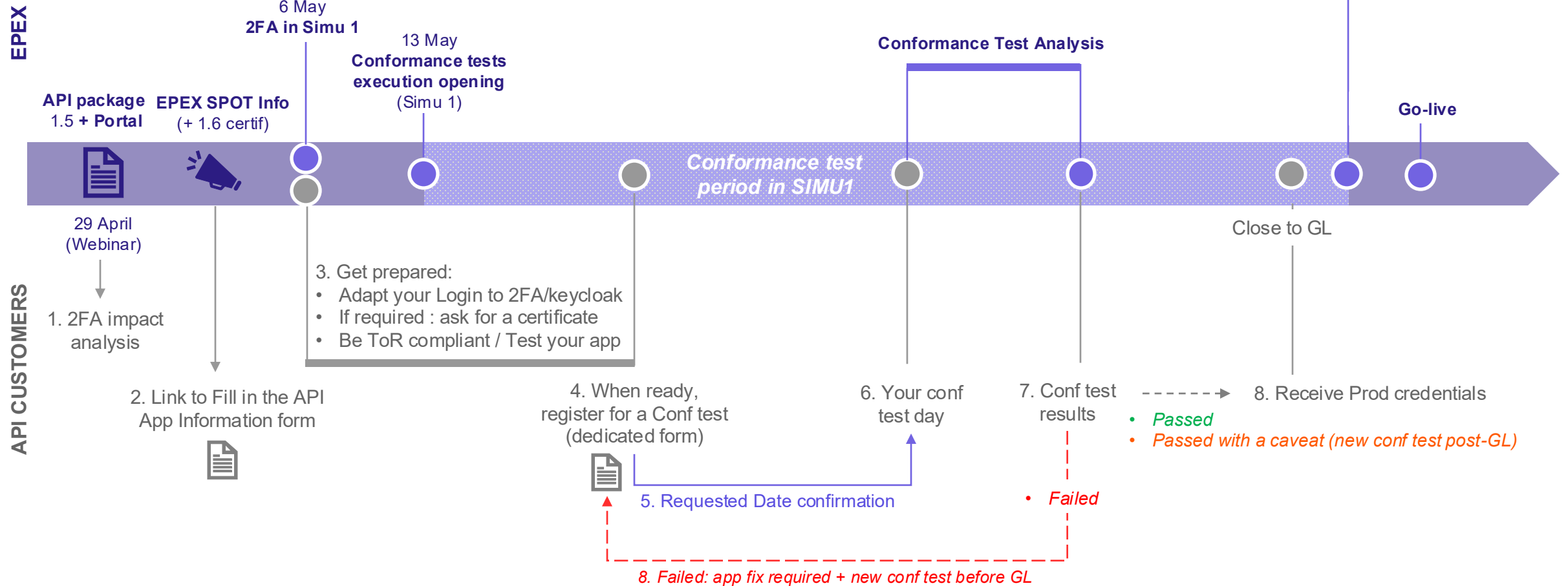
MATS API apps Conformance Test

04

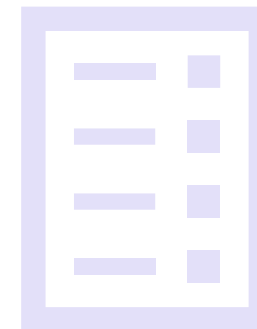


API apps Conformance Test Campaign: **Started on 13 May 2025** onwards

Since Mid-April: Simu Apps behavior monitoring, proactively contacting customers



API apps Conformance Test: accompany you best towards Production



When can I go through a conformance test?

- › Once I have fully tested my API app (ToR compliant),
- › You must be able to connect/log in with 2FA (Keycloak)
- › If you use an ISV: conf test only done by the ISV
 - If you have 1 ISV and 1 own app: conf test only for your own app

Protocol: what are the operational steps ?

- › Steps:
 - Log in with 2FA (when your target auction order book is open)
 - App starts: loops and sends requests according to ToR defined intervals
 - Place orders with your app or via another client
 - Get results once published
 - Log out / close: behave like in production
- › Only steps corresponding to your app scope are mandatory
 - E.g. if your app does not retrieve market results or does not enable to place any order : skip that part
- › Please consult our Terms of Reference for more details

Do I need to go through one conf test per exchange?

- › No, only for 1 exchange
 - If Epex + another exchange → Epex conf test

On which environment will conf tests take place?

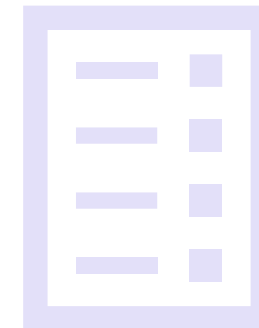
- › SIMU1 (2FA login/connect with certificate required)

What are the forms which I need to fill in?

- › MATS App & Client information details Form (*Mandatory prerequisite for Conformance Test*):
<https://forms.office.com/e/iZL1XaReqh?origin=IprLink>
- › MATS API Conformance Test Registration Link:
<https://forms.office.com/e/tQH6tud0d8?origin=IprLink>

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, ToR 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-svp

@epexspot.com

Q&A

05



The background of the slide features a collage of financial charts and data visualizations. It includes candlestick charts, line graphs with various colored lines (blue, green, yellow, red), and a network-like structure of intersecting lines. The overall aesthetic is high-tech and data-driven, typical of financial markets.

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MATS GoTo session #8: 3 July 2025

We remain available at:

- mats-support@epexspot.com
- mats-support-svp@epexspot.com