SEMOpx Info – 17 June 2024

New ETS 3.8.1 –Go-live – 25 June 2024, first trading day

Important information – Action Required

- **Go live date for ETS 3.8.1 is 25 June 2024, first Trading Date:**
  - ETS maintenance planned on 24 June 2024 as of 21:35 BST until 00:30 BST.
  - ETS 3.8.1 Simulation 2 already available
- **New ETS feature: Enhanced Reasonable Control Parameters**
- **API changes:**
  - **API schema 3.5 will exceptionally be maintained**, migration to a higher schema is suggested but not mandatory
  - Linear order responses now indicate with a warning orders not being "reasonable"
  - New API schema 3.8.1 :
    - Minor impact: removal of the unnecessary *AsynchronousResponseHeader*

- **For members using the Fixed version, the new version ETS 3.8.1 must be installed.**
- **Connection Settings – No changes**

Dear Member,

SEMOpx are pleased to share important information related to the **new ETS 3.8.1 version** that is planned **to go live on 25 June 2024, First Trading Day (delivery date 26 June 2024)** (subject to successful testing).

1. New ETS 3.8.1 client

Production Environment:

The new client will be released into the Production environment during an ETS maintenance on **24 June 2024** (first trading date **25 June 2024)** as of 21:35 BST until 00:30 BST.

Test Environments:

The new ETS client is already available in **ETS Simulation 2** for download on the SEMOpx website.

Similarly, the release in Simulation 1 will take place as of **26 June End of Day.**

The new client and the new client documents are available for download on the SEMOpx website.

For members using the Upgradable ETS version, the new client will upgrade automatically to the latest ETS 3.8.1 version.

For members using the Fixed version, the new version ETS 3.8.1 must be downloaded and installed prior to the Go-Live.

We strongly advise you to download the new client available for ETS Simulation 2 and make sure that you can successfully connect to the Trading System.

2. New ETS feature: Enhanced Reasonable Control Parameters

This enhanced feature will allow traders to define reasonable control parameters (RCP) to set their own checks in the trader client for both **Linear and Scalable Complex Order**. Two additional price step checks will now be monitored in addition to the two checks in the previous version (Pmin and Pmax).

Exceeding the set parameters during an order creation will trigger an alert message to be displayed in the Market Global View message bar whilst the corresponding order will be displayed in yellow in the Market Global View.

The parameter checks are:

- Order side at Pmin/Pmax
- Volume difference at Pmin/Pmax
- Volume difference at P1 (optional)
- Volume difference at P2 (optional)

All checks are independent and can be parameters independent from the others, e.g. it is possible for a given price tick check to define only the volume difference at Pmin. **This alert is non-binding: the trader can still submit the order if the check raised an alert. Furthermore, orders issued by an API users which do not respect the parameter checks will also trigger an alert to the API user.**

The Reasonable Control Parameters are defined at the portfolio level, per Area, per duration.

3. Scalable Complex Order submission Restriction update

Current status (ETS 3.7.3): ETS requires the mandatory values to be filled in but if all of them are entered with "0", the system treats it like a linear order and ETS accepts the order.

Future status (ETS 3.8.1): ETS will **NOT** allow a Scalable Complex Order to be submitted if **all** the mandatory values are entered with "0".

Please note:
- o As of ETS 3.8.1, this change is necessary to align ETS 3.8.1 with external restrictions from the latest PMB release.
- o Members are currently <u>not affected</u> as there are no members placing SCOs where all mandatory fields are "0"; however, members should be aware of this upcoming restriction.
- o This restriction applies for SCOs submitted from both Client and API.

SCOs Parameters (the mandatory ones in <mark>yellow</mark>):

Parameter	Format	Server and Client Checks
Fixed_Term	NUMBER(18,11) NOT NULL 0 means no value is defined	<mark>Mandatory</mark> value Consistent with format Fixed_Term ≥0
IncreaseGradient	NUMBER(11,5)	Optional value Consistent with format IncreaseGradient > 0 Value can be set only for supply scalable complex order (i.e. volume with negative value)
DecreaseGradient	NUMBER(11,5)	Optional value Consistent with format DecreaseGradient > 0 Value can be set only for supply scalable complex order (i.e. volume with negative value)
ScheduledStopPeriods	NUMBER(2) NOT NULL 0 means no value is defined	<mark>Mandatory</mark> value Consistent with format Possible values are 0,1,2,3 ScheduledStopPeriods can be 1, 2, or 3 only if Fixed_Term≠0 ScheduledStopPeriods can be 1, 2, or 3 only if scalable complex order is supply (i.e. volumes with negative value)
MinimumAcceptanceVolume	NUMBER NOT NULL 0 means no value is defined	<mark>Mandatory</mark> value for each period Consistent with format Respects volume tick Absolute value is below or equal to maximum volume defined in the area configuration screen MinimumAcceptanceVolume ≤ 0 MinimumAcceptanceVolume is higher or equal to the lowest volume of the curve

4. ETS API 3.8.1 changes

Schema 3.5 which shall be decommissioned as of the ETS 3.8.1 go live on 25/06 (first trading day), will exceptionally remain sustained.

As of the next week, ETS SIMU2 API will be updated to host at the same time schemas 3.5, 3.6, 3.7 and 3.8.

We always maintained three different API schema version (N, N-1, N-2), leading to supporting each schema for approximately two years. However, **we will not decommission the oldest version available 3.5 for the ETS 3.8.1 release**.

Our API customers will be able to use any of the four available schemas.

Additionally, we would like to highlight a **minor 3.8 schema update** that had not been mentioned in our previous communication - Please check the *Asynchronous Response Header* section below.

Other schemas remain unimpacted by this update.

a. Decommission of the 3.5 API schema

The 3.5 API schema will exceptionally remain sustained: if you are still using this schema version you may decide to maintain it or move to a higher one.

Migration: reminder of changes per API schema:

- The 3.6 schema introduced the following:
    - Order IDs in order requests responses
    - Last Update info in order retrieval API responses
    - New Block comment in Trade report
    - Please refer to our 3.6 communications for more details or contact us at marketops@ops.semopx.com
- The 3.7 schema implemented:
    - the Trading limit exposure split
    - REMIT Trading On Behalf data described below.
- The 3.8.1 schema (**no change compared to 3.7 except for the update regarding the asynchronous header**)

b. Removal of the unnecessary *AsynchronousResponseHeader* in all messages

We would like to highlight a minor 3.8 schema update that had not been mentioned in our previous communication.

Other schemas remain unimpacted by this update.

As explained in the ETS API package *Client Application Design Guide*, the ETS API communication is always synchronous, so we removed the unnecessary *AsynchronousResponseHeader* section in all messages where it was used.

Please check the API package WSDL file, showing the below *AsynchronousResponseHeader* **section is not featured anymore in the 3.8 API schema**, neither in requests nor responses:

```
<urn:AsynchronousResponseHeader>
    <urn:asynchronousResponse>1</urn:asynchronousResponse>
    <urn:responseToken>1</urn:responseToken>
</urn:AsynchronousResponseHeader>
</soapenv:Header>
```

c. Retrieve Reasonable Control Parameters order alerts via the API

Reasonable controls (RC) consist in automatic checks made *on linear orders and SCOs* **that have been __accepted__** by ETS, to assess whether they are "reasonable".

The related **Reasonable Control Parameters (RCPs) can be configured by Member ETS Super Users in the ETS Client, or by an authorized trader** (API users cannot configure RCPs).

As of ETS 3.8.1, ETS API apps benefit from RCP alerts for orders submitted via an app API user if controls have been setup.

The ETS API will indicate any **potential RCP notifications as one or several Warnings** (OA 061) **in the *EnterOrderResponse* message of linear orders and SCOs accepted by ETS.**

Example of message received by the API user who submitted the order:

```
<ns:EnterOrderResponse>
    <EnterOrderAcknowledgement>
    <ns:state>ACK</ns:state>
    <ns:warning>
        <ns:errorId>OA 061</ns:errorId>
        <ns:errorText>Reasonable Control Volume Pmin Invalid Status for 23 May 2024
        in ROI-EIRGRID-DA for SU_123456</ns:errorText>
    </ns:warning>
    <ns:OrderId>10000014243700</ns:OrderId>
    </EnterOrderAcknowledgement>
</ns:EnterOrderResponse>
```

Note: this functionality works with all API schemas (which all support Warning tags, as detailed in our ETS API package *01-ETS API Client Application Design Guide* document).

d. ETS API package download

Please note that the full updated API package will be available for download tomorrow for all API customers on our SEMOpx website.

5. Environment Details

PRODUCTION

Environment	ETS Production
ETS version	3.8.1 **(as of 25 June 2024, first trading date)**
ETS Server address	ets.svpx.prod.epexspot.com
ETS Server port	443
API hostname	api-ets.svpx.prod.epexspot.com
API port	443
API end point	https://api-ets.svpx.prod.epexspot.com/OpenAccess/3.5 (if using the 3.5.3 schema) https://api-ets.svpx.prod.epexspot.com/OpenAccess/3.6 (if using the 3.6.4 schema) https://api-ets.svpx.prod.epexspot.com/OpenAccess/3.7 (if using the 3.7.3 schema) https://api-ets.svpx.prod.epexspot.com/OpenAccess/3.8 (if using the 3.8.1 schema)
API WSDL version	WSDL v3.8 Supported API schemas: 3.5.3, 3.6.4, 3.7.3, 3.8.1 To retrieve the WSDL: https://api-ets.svpx.prod.epexspot.com/OpenAccess/3.8?wsdl

SIMULATION 2

Environment	ETS SIMULATION 2
ETS version	3.8.1 **(already available)**
ETS Server address	ets-2.svpx.simu.epexspot.com
ETS Server port	443
API hostname	api-ets2.svpx.simu.epexspot.com
API port	443
API end point	https://api-ets2.svpx.simu.epexspot.com/OpenAccess/3.5 (if using the 3.5.3 schema) https://api-ets2.svpx.simu.epexspot.com/OpenAccess/3.6 (if using the 3.6.4 schema) https://api-ets2.svpx.simu.epexspot.com/OpenAccess/3.7 (if using the 3.7.3 schema) https://api-ets2.svpx.simu.epexspot.com/OpenAccess/3.8 (if using the 3.8.1 schema)
API WSDL version	WSDL v3.8

	Supported API schemas: 3.5.3, 3.6.4, 3.7.3, 3.8.1
	To retrieve the WSDL: https://api-ets2.svpx.simu.epexspot.com/OpenAccess/3.8?wsdl

SIMULATION 1

Environment	ETS SIMULATION 1
ETS version	3.8.1 **(as of 26 June 2024, End of Day)**
ETS Server address	ets-1.svpx.simu.epexspot.com
ETS Server port	443
API hostname	api-ets1.svpx.simu.epexspot.com
API port	443
API end point	https://api-ets1.svpx.simu.epexspot.com/OpenAccess/3.5 (if using the 3.5.3 schema) https://api-ets1.svpx.simu.epexspot.com/OpenAccess/3.6 (if using the 3.6.4 schema) https://api-ets1.svpx.simu.epexspot.com/OpenAccess/3.7 (if using the 3.7.3 schema) https://api-ets1.svpx.simu.epexspot.com/OpenAccess/3.8 (if using the 3.8.1 schema)
API WSDL version	WSDL v3.8 Supported API schemas: 3.5.3, 3.6.4, 3.7.3, 3.8.1 To retrieve the WSDL: https://api-ets1.svpx.simu.epexspot.com/OpenAccess/3.8?wsdl

Please do not hesitate to contact us at info@semopx.com should you require any further information.

Kind regards,

SEMOpx Team