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## PREFACE

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### ABOUT THIS DOCUMENT

Euronext has developed a suite of reporting services to support clients to meet their obligations under the Markets in Financial Instruments Directive II and as amended and transposed into the laws of the United Kingdom pursuant to the European Union (Withdrawal) Act 2018 and the European Union (Withdrawal Agreement) Act 2020 (“UK MiFID II”).

References in this document to OTC, DRSP, APA, ARM, Systematic Internaliser and trading venue (i.e. regulated market, MTF and OTF) should be read to also refer to the way that those concepts have been interpreted in the UK by the FCA.

These services operate via a tool named Saturn, which is composed of a Web API and a Web-based User Interface (UI) offering a number of features to clients. This document describes how to use the Saturn User Interface (UI) as a support of the global reporting services provided by Euronext.

*Please note that this version of the User Guide covers the Transaction Reporting, ARM functional services as well as Admin features and Off Book On Exchange (OBOE) services..*

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### TARGET AUDIENCE

This document should be read by clients who have subscribed to one of the following EU and UK MiFID II Euronext Reporting Services:

- Transaction Reporting on Euronext Markets conducted directly by Euronext Members;
- Transaction Reporting on Euronext Markets conducted by Euronext Members not Subject to EU and UK MiFID II;
- ARM transaction reporting service;
- APA Post-Trade publication service;
- APA Pre-Trade publication for a SI (Systematic Internaliser) ;
- OBOE (*Off Book On Exchange*) services

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### ASSOCIATED DOCUMENTS

This document must be read in conjunction with the documents below, available under:

- [APA ARM web page](#) > Background Information: EU and UK MiFID II – Euronext APA/ARM – Functional overview
- [EU and UK MiFID II web page](#) > Background Information: Euronext Global Reporting Solution – Saturn Web Service Specifications

## CONTACTS

For further information about this document please contact:

- Euronext Client Support at +33 1 85 148 585 or [clientsupport@euronext.com](mailto:clientsupport@euronext.com)

## WHAT'S NEW?

The following lists the most recent modification made to this version. For the Document History table, see the Appendix.

VERSION NO.	DATE	AUTHOR	CHANGE DESCRIPTION
1.0	October 2017	Euronext	Initial version – Transaction Reporting & Administration
2.0	October 2017	Euronext	Version ready for publication to clients
2.0	November 2017	Euronext	Update on the Admin and ARM
2.1	December 2017	Euronext	Update links to connect in the EUA and Productions environments; update contact for RSA SecurID issues
2.2	August 2018	Euronext	Adding OTC Cleared and Commodities Spot Month Indicator
2.3	October 2018	Euronext	<ul style="list-style-type: none"> <li>- Completed section 6. Approved Publication Arrangement (APA)</li> <li>- Added New Section 7. Off Book on Exchange (OBOE) for Members Profile</li> </ul>
2.4	March 2019	Euronext	Adding Section 5.8 Trade recovery process
2.5	September 2020	Euronext	The following section was updated: <ul style="list-style-type: none"> <li>- <a href="#">Section 9.1 Dashboard</a> – a new Market Type block “Sigma-X EU” and respective SLCs list are available. The images were also updated</li> </ul>
2.6	October 2021	Euronext	The following sections have been updated: <ul style="list-style-type: none"> <li>- <a href="#">3.2 Logging in</a> (RSA and TOTP Two-Factor Authentication)</li> <li>- <a href="#">4.1 Logging in</a></li> <li>- <a href="#">3.5.4 Change User's 2FA mode</a></li> <li>- In <a href="#">1.1 MiFID II Euronext Reporting Services</a> (Added a reference on UK DRSP regulatory framework governing.)</li> </ul>
2.7	December 2021	Euronext	Added Section <a href="#">2.3 Password Policy</a> The following sections have been updated: <ul style="list-style-type: none"> <li>- In <a href="#">1.1 MiFID II Euronext Reporting Services</a> : Added a reference on UK onshored regulation.</li> <li>- In <a href="#">1.2 Trade Publication and Transaction Reporting Functionalities</a> : Added a reference on UK onshored</li> </ul>

VERSION NO.	DATE	AUTHOR	CHANGE DESCRIPTION
			regulation.
2.8	December 2021	Euronext	<p>The following sections have been updated:</p> <ul style="list-style-type: none"> <li>- <a href="#">In Preface</a> : Added a reference on UK onshored regulation.</li> <li>- <a href="#">In 1.1 EU and UK MiFID II Euronext Reporting Services</a> : Section has been renamed and added a reference on UK onshored regulation.</li> <li>- <a href="#">In 1.2 Trade Publication and Transaction Reporting Functionalities</a> : Added a reference on UK onshored regulation.</li> <li>- <a href="#">In 5.1 Transaction Report consultation</a> : Added a reference on UK onshored regulation.</li> <li>- <a href="#">In 7.2 Transaction Report consultation</a> : Added a reference on UK onshored regulation.</li> <li>- <a href="#">In 9.2 SLC consultation</a> : Added a reference on UK onshored regulation.</li> <li>- <a href="#">In 10.8</a> : Added a reference on UK onshored regulation.</li> </ul>
2.9	March 2022	Euronext	<p>The following sections have been updated:</p> <ul style="list-style-type: none"> <li>- Section 2.3 <a href="#">Password Policy</a> : Updated password historization policy.</li> </ul> <p>Addition of section 3.8 <a href="#">E-mails notification</a>: clients may provide e-mails for Euronext communications.</p>

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## 1. OVERVIEW

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### 1.1 EU AND UK MIFID II EURONEXT REPORTING SERVICES

The revised version of MiFID I and the introduction of the Markets in Financial Instruments Regulation (“MiFIR”) are collectively referred to as EU MiFID II. The laws and regulations of EU MiFID II will be effective as of January 3, 2018. Both have been amended and transposed into the laws of the United Kingdom pursuant to the European Union (Withdrawal) Act 2018 and the European Union (Withdrawal Agreement) Act 2020, are collectively referred to as “UK MiFID II” and have been effective since January 1, 2021.

In accordance with EU and UK MiFID II, each investment firm in a transaction chain will be responsible for reporting data relating to transactions executed in financial instruments (and all instruments where the underlying is a financial instrument traded on a trading venue) that are traded or admitted to trading on a trading venue (regulated market, MTF or OTF). Such transactions must be reported regardless of the place of execution. The data from these transactions should be reported to National Competent Authorities (NCA) in a complete and accurate manner by the end of the next business day at the latest.

Euronext has launched a powerful suite of reporting tools that enable investment firms to meet trade publication and transaction reporting obligations specified under EU and UK MiFID II. The Approved Publication Arrangement (APA) and Approved Reporting Mechanism (ARM) services are available to members and non-members. With these services, clients can benefit from a user-friendly and reliable entry system to report transactions to all major EU and UK regulators and publish their trades to the marketplace.

The services include a multi-asset service package and offers pan-EU (including UK) coverage for Cash, Derivatives and Commodities. The service also provides pre-trade transparency for ‘Systematic Internaliser’ quotes, allowing them to benefit from a single solution to meet transparency obligations. Trades in eligible instruments can also be passed through to the CCP and benefit from the central clearing guarantee.

Euronext applies the industry standard for publication with the FIX MMT protocol and the ESMA/FCApreddefined ISO 2000022 standard for reporting to regulators.

Based on its expertise on transaction reporting and trade publication services since the introduction of MiFID I in 2007, Euronext has implemented a suite of EU and UK MiFID II compliant reporting services including:

- Transaction Reporting for Euronext markets (for members);
- ARM reporting service
- APA for OTC Trade Publication
- APA for SI Quotes Publication
- Off Book on Exchange Service



These Euronext Reporting services are available to members and non-members upon subscription to the **Saturn** tool. These EU and UK MiFID II compliant services provide a cost-effective and efficient means for subscribers to comply with their reporting obligations.

The APA/ARM sections of this document comply with the governance requirements under the UK DRSP regulatory framework.

#### ■ **A single hub for regulatory reporting**

Built to process a large number of reports every day the Saturn application is a one-stop regulatory reporting solution that can help subscribers to increase efficiency and reduce their reporting risks.

Whether supporting a single central reporting hub or rolling out multiple access-controlled and audited desktop installations, the Euronext Global Reporting Service offers a solution to suit clients' needs.

#### ■ **Fully EU and UK MIFID II compliant Approved Transaction Reporting**

The Saturn application is compliant with the most recent extensions of the EU and UK **Markets in Financial Instruments Directive (MiFID II)**. It supports all mandated reporting instruments, including ESMA and FCA complaint Alternative Instrument Identifiers (AIIs) for derivative reporting. In accordance with article 25 of EU and UK MiFID II, the service facilitates reporting to competent authorities.

#### ■ **Comprehensive validation**

The Saturn application has been designed to provide real-time and comprehensive alerts, helping the clients to achieve a low rejection rate by competent authorities.

#### ■ **Easy correction**

Clients can cancel or amend transactions submitted either via the Saturn Web service or the User Interface before submission to the competent authorities providing resilience and easing the process for resubmissions through a single portal.

#### ■ **Flexible messaging options**

The Euronext Global Reporting service supports various formats (CSV XML, FIX) via real-time and batched messaging options, enabling clients to reduce integration risks and investment costs.

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## 1.2 **TRADE PUBLICATION AND TRANSACTION REPORTING FUNCTIONALITIES**

As part of EU MiFID II and UK onshored regulation, Euronext Members as well as non-members must to report their daily transactions to their competent authority and make public the details of each trade executed outside of a trading venue.

The scope of instruments include both cash and derivatives instruments.

**The Euronext APA / ARM services through the Saturn Web service and User Interface allow market participants in Europe (including UK) to fulfil these obligations.**

The Euronext Global Reporting service can be used for Transaction Reporting and Publication in compliance with EU and UK MiFID II rules.

The application offers to its subscribers the ability to consult, compare and manage several types of operations for reporting and publication purposes:

- **Transaction Reporting on Euronext Markets;**
- **ARM service for non-members on a multi-asset, pan-European (including UK) coverage;**
- **APA Post-Trade publication;**
- **APA Pre-Trade publication for Systematic Internaliser (SI).**

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## ASSOCIATED DOCUMENTATION

The following lists the associated documents, which either should be read in conjunction with this document or which provide relevant information to user regarding the other services:

- EU and UK MiFID II – Euronext APA – ARM – Functional Overview
- Euronext - Saturn Web Services Specifications
- Euronext APA Optiq MDG Client Specifications

All these documents can be found in [Euronext APA / ARM services under EU and UK MiFID II](#) page on the Euronext website.

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## ADDITIONAL INFORMATION ABOUT QUOTES AND TRADES

All market data regarding the Euronext APA is disseminated via MDG using the channels of the Trading reporting and publication Optiq segment. Also applicable in the United Kingdom onshored regulations.

*For an exhaustive list of MDG channels, please refer to the Optiq MDG Feed configuration documents, which are provided per environment.*

*For an exhaustive list of messages please refer to the “Euronext APA Optiq MDG Client Specifications” document.*

More specifically Euronext disseminates the following MDG files and messages associated to this service:

- **APA Standing data (1027) message**
  - ✓ The APA Standing Data provides minimum information to identify instruments.
- **APA Quotes (1026) message**
  - ✓ The APA Quotes message provides, for each instrument per Legal Entity Identifier (LEI), a bid and offer quote.
- **APA Full Trade Information (1028)**
  - ✓ The APA Full Trade Information provides the trade publication as reported by clients of the Euronext APA service.

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## 2. GETTING STARTED

This section explains how to start the Saturn User Interface (UI).

As a thin client, no specific installation is required.

Please note that the Saturn User Interface is available in English only.

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### 2.1 RECOMMENDED BROWSER CONFIGURATION

To fully benefit from the SATURN -Web application, Euronext recommends using:

- Internet Explorer 11.0 or higher;
- Chrome;
- Firefox version 51.0.

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### 2.2 CONFIGURATION

The following table provides the links to connect to Saturn in EUA and Production environments.

	Environment	URL
GUI	EUA	<a href="https://saturn-h.euronext.com">https://saturn-h.euronext.com</a>
	Production	<a href="https://saturn-p.euronext.com">https://saturn-p.euronext.com</a>
API	EUA	<a href="https://saturn-api-h.euronext.com">https://saturn-api-h.euronext.com</a>
	Production	<a href="https://saturn-api-p.euronext.com">https://saturn-api-p.euronext.com</a>

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## 2.3 PASSWORD POLICY

Passwords must be created and managed in accordance with this section.

### *Password Requirements – API & GUI*

- Old password will be required when user **wants to change password.**
- New passwords cannot be **the same as the previous 10 passwords.**
- Passwords must be **at least 10 characters in length for GUI users, 20 characters for API users.**
- Accounts shall be locked **after three failed login attempts** and shall remain locked until the System Administrator unlocks the account

### *Password Requirements – GUI*

- All GUI users' passwords will expire **every 90 days and must be changed.**
- New passwords are different from corresponding usernames.
- New passwords cannot contain **more than 2 equal consecutive characters.**
- New passwords cannot **contain any variations of the previous one** (e.g., Saturn01! and Saturn01!!).
- Passwords must contain **both uppercase and lowercase characters** (e.g., a-z and A-Z).
- Passwords must contain **at least one number** (e.g., 0-9).
- Passwords must contain **at least one special character** (e.g., @\$^&\*()).

### *Password Requirements – API*

- Passwords for API users **must be changed from the GUI.**
- Passwords must contain **at least three uppercase and three lowercase characters** (e.g., a-z and A-Z).
- Passwords must contain **at least three numbers** (e.g., 0-9).
- Passwords must contain **at least three special characters** (e.g., @\$^&\*()).

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## 3. ADMINISTRATOR INTERFACE

This section provides an overview of the Administrator Interface. More specifically, it describes how to manage users and profiles.

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### 3.1 BEFORE THE FIRST CONNECTION

- After signing a contract with Euronext, the New Participant must apply for access to the Saturn application.

To obtain the connection rights to the Saturn App interface, the Participant must submit his request to the CAS (Customer Access Services) via subscription form.

The form is available on the Euronext Connect Web Portal or in Paper version for the APA/ARM Services.

From this request RSA SecurID® (Cards/Tokens/Soft Tokens) will be created and sent to the Participant for GUI access.

For API Access, Security Certificates will be provided.

Here are some prerequisites to know/applied before working with the Saturn's interface:

- One Participant Administrator is required to define the User profiles in the Saturn Admin GUI; For each Participant at least one Business Unit must be defined;
- Each Business Unit has a separate Identification Number in order to preserve the necessary confidentiality of Users' activities;
- User with Supervisor Profile is able to track User's activity through the Business Unit ID;
- User Profiles are defined based on GUI access & rights levels;
- As many Users as required for a given Participant.

Users can then be authorized or forbidden on Saturn Admin. Authorized Users are able to access all the functions provided by their respective profiles. However, only Euronext Users can access to Saturn Admin for Reporting and User's Control purposes.

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### 3.2 LOGGING IN

During the month of December 2020, a new version of Saturn which aims to strengthen the security of the login procedure will be released. A two-factor authentication will be introduced, to supplement a user-controlled password with a one-time password (OTP). Saturn GUI users would be able to choose their own two-factor authentication (2FA) mode between [RSA SecurID®](#) and the new [Time-based One-time Password](#) (TOTP)<sup>1</sup>.

This section should be read in conjunction with the [Saturn User Guide – Migration to TOTP Solution](#) document for more information.

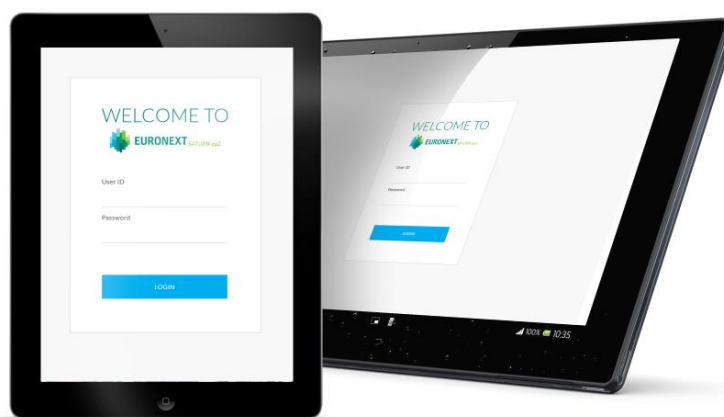
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<sup>1</sup> Please note that this will be a temporary solution until the RSA token expires. Eventually, all users will have to use the TOTP solution.

### 3.2.1 If the RSA mode is chosen for authentication

To logon to the Euronext Saturn User Interface, please follow the steps below:

1. Start a Web browser;
2. Enter the appropriate [secure domain address](#);
3. The Euronext Saturn login form is displayed:

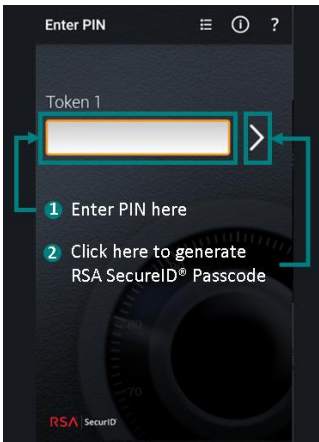
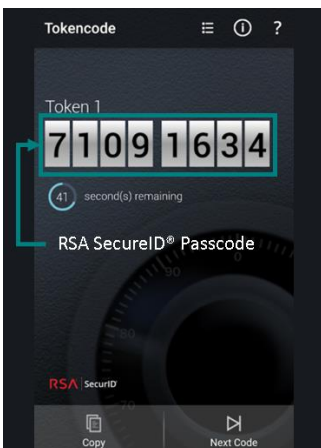


4. When the Saturn login page appears, User must logon with his valid connection parameters:

	For the first connection to Saturn	For all other usual connections
<b>User ID</b>	User's Login provided in the authentication email sent by Euronext CAS (Customer Access Services) team to the User right after the subscription (if for some reason the client is not able to use this authentication parameter, please <a href="#">contact</a> the Euronext CAS team for further notice).	User's Login.
<b>Password</b>	One-Time Password provided in the authentication email sent by Euronext CAS team to the User right after the subscription to Saturn's service(s).	Password defined by the user.


5. Press the "LOGIN" button. If the credentials are valid, the second factor authentication appears.

6. The User should then, fill the “Code” field described below:

<p><b>Code</b></p>	<p>The <b>Code</b> (on 8 digits) corresponds to a <b>RSA SecurID® passcode</b> derived from the use of a <b>PIN<sup>2</sup> code</b> in a <b>RSA SecurID®</b> software.</p> <p>Both <b>PIN</b> and <b>RSA SecurID® soft token</b> are provided by <a href="#">Euronext CAS team</a>.</p> <ul style="list-style-type: none"> <li>■ <b>PIN:</b> a 6 digits code intended to be used in the <b>RSA SecurID® soft token</b> in order to generate a <b>RSA SecurID® passcode</b>.</li> <li>■ <b>The RSA SecurID® soft token</b> <ul style="list-style-type: none"> <li>- The <b>soft token</b> is sent via email and it should be installed on a device (phone, computer, etc.)</li> <li>- Enter the <b>PIN code</b> on the <b>RSA SecurID® soft token</b></li> </ul> </li> </ul>  <ul style="list-style-type: none"> <li>- Once the <b>PIN code</b> is entered, a <b>RSA SecurID® passcode</b> will be generated. This passcode is renewed each 60 seconds.</li> </ul>  <p>The generated <b>RSA SecurID® passcode</b> should then be used to fill the “Code” field.</p> <p><b>Example:</b></p> <p>If the <b>PIN code</b> = <b>123456</b> and the generated <b>RSA SecurID® passcode</b> = <b>71091634</b>, the “Code” field should be filled with <b>71091634</b>.</p> <p><b>Note:</b></p> <p>For clients using <b>RSA SecurID® Cards or Token</b>, the code corresponds to the old password (when the 2FA was not implemented).</p>
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<sup>2</sup> Please contact the Euronext CAS team to get the PIN code and the RSA SecurID® soft token.

#### ■ The RSA SecurID® card

- Wait until there are 6 grad bars on the left of the RSA SecurID® card screen
- Enter the PIN code on the RSA SecurID® card by using the number keys in white and finish by pressing the  symbol.

**This will return the code (N digits number).**



#### ■ The RSA SecurID® token

- Wait until there are 6 grad bars on the left of the RSA SecurID® Token screen.
- The Code will be PIN code followed by the 6 digits Password.



For example: If the PIN code = 123456, the code to use will be: 123456032848.

- The last step is to click on the “VERIFY” button of the Saturn’s connection form. If the User is authorized to access to the Saturn GUI and all the authentication parameters are valid, he will successfully access to the platform.



### 3.2.2 If the Time-based One-Time Password (TOTP) mode is chosen for authentication

#### 3.2.2.1 How to set up the TOTP solution on a device

Before using the TOTP as authentication mode, clients are advised to install the TOTP application(s) **on their mobile phones**<sup>3</sup>.


##### A) User Guide Google Authenticator App

The User will need to install the Barcode Scanner application (if you do not have one installed, Authenticator will ask you to install one).

- Download and install the [Google Authenticator](#) app for [iOS](#) or [Android](#);
- On your mobile device, open the Google Authenticator app;
- Tap on **BEGIN SETUP**;
- Tap **Scan a Barcode** (if you do not have Barcode Scanner, you will be asked to install it);
- You can use the application and scan a QR code (needed for later stage).

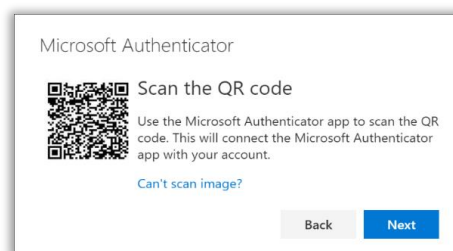


##### B) User Guide Microsoft Authenticator App

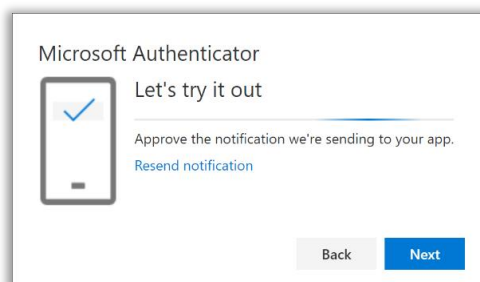
- Download and install the [Microsoft Authenticator](#) app for [iOS](#) or [Android](#);
- On your mobile device, open the Microsoft Authenticator app;
- Tap the Add icon  or **Add an Account** option;
- Select your desired account type. If prompted, select **Scan QR code**.



- Select **Next** on the **Scan the QR code** page on your computer

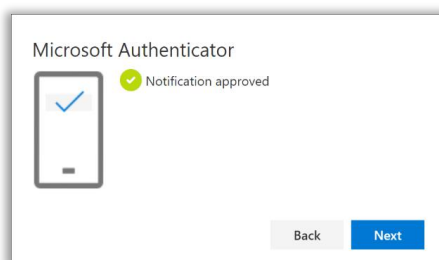


- A notification is sent to the Microsoft Authenticator app on your mobile device, to test your account.



<sup>3</sup> If for some reason the Users are not able to use their mobile phones for the TOTP solution, it is possible to install the TOTP application on a computer. In this case please contact the Euronext Customer Access Services team (CAS) for further guidance on [cas@euronext.com](mailto:cas@euronext.com).

- Approve the notification in the Microsoft Authenticator app, and then select **Next**.

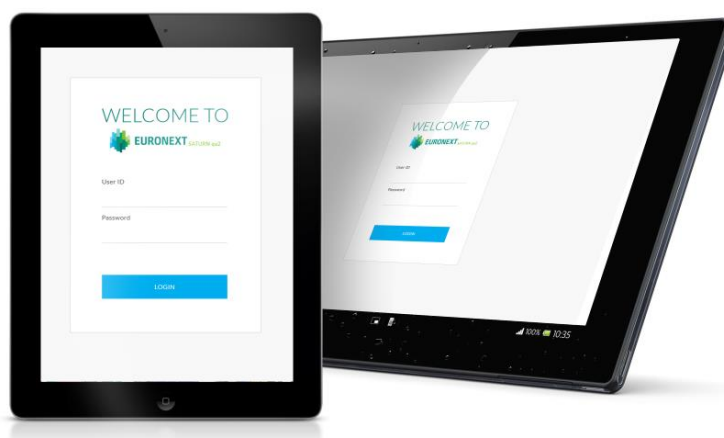


Your security info is updated to use the Microsoft Authenticator app by default to verify your identity when using two-step authentication or password reset.

### 3.2.2.2 Logon to Saturn

To logon to the Euronext Saturn User Interface, please follow the steps below:

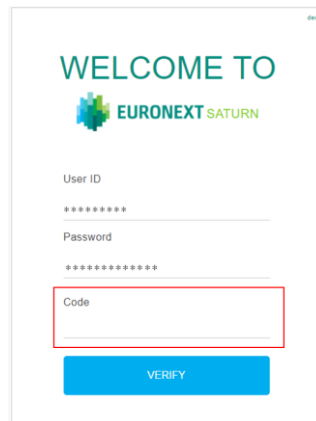
1. Start a Web browser;
2. Enter the appropriate [secure domain address](#);
3. The Euronext Saturn login form is displayed:



4. When the Saturn login page appears, User must logon with his valid connection parameters:

	For the first connection to Saturn	For all other usual connections
<b>User ID</b>	User's Login provided in the authentication email sent by Euronext CAS (Customer Access Services) team to the User right after the subscription (if for some reason the client is not able to use this authentication parameter, please <a href="#">contact</a> the Euronext CAS team for further notice).	User's Login.
<b>Password</b>	One-Time Password provided in the authentication email sent by Euronext CAS team to the User right after the subscription to Saturn's service(s).	Password defined by the user.

5. Press the "LOGIN" button. If the credentials are valid, the second factor authentication appears.



WELCOME TO  
EURONEXT SATURN

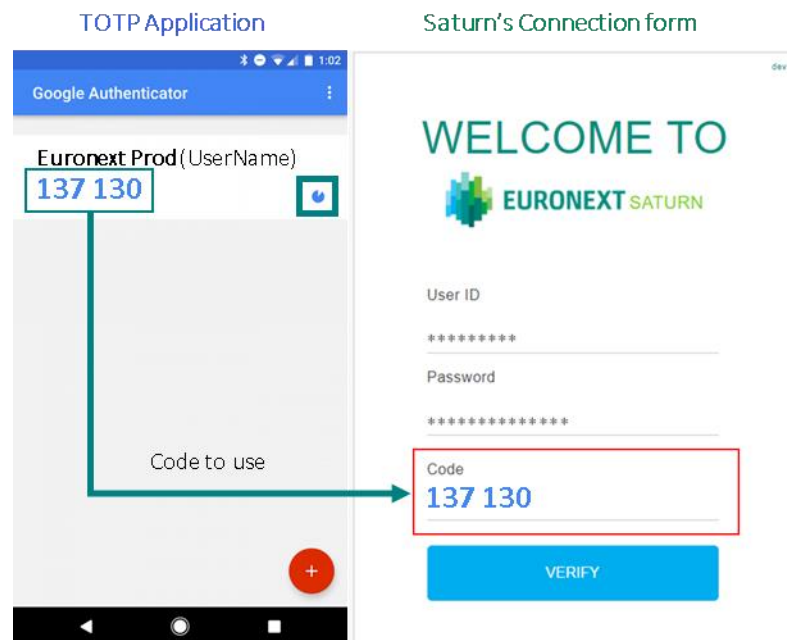
User ID  
\*\*\*\*\*

Password  
\*\*\*\*\*

Code

VERIFY

- The User should then, fill the “Code” field with the 6 digits code from the chosen TOTP application (Google or Microsoft Authenticator).



TOTP Application

Google Authenticator

Euronext Prod (UserName)

137 130

Code to use

Saturn's Connection form

WELCOME TO  
EURONEXT SATURN

User ID  
\*\*\*\*\*

Password  
\*\*\*\*\*

Code  
137 130

VERIFY

- The last step is to click on the “VERIFY” button of the Saturn’s connection form. If the User is authorized to access to the Saturn GUI and all the authentication parameters are valid, he will successfully access to the platform.

### 3.3 ADMIN HOME PAGE

The Admin home page admin allows the participant admin to manage Users, Profiles, Business Units and visualize information about the participant.

The Admin home page displays:

- Information about the Participants;
- List of Business Units and Users for each participant.

1. Access for the User Management or Profiles Management
2. Information regarding the Business Unit BU, Users (GUI/API)
3. Information of the Participant (ID; IP address for API; subscription)
4. Export



Note that only the Admin can visualize the list of all Users and export it.

### 3.4 BUSINESS UNIT DETAIL

A Business Unit is a logical element or segment of a company and can group a list of users. A Business Unit is defined by Name and a TAG and at least one Business Unit must be defined for a Participant.

1. Name of the Business Unit;

## 2. Information relative to the Business Unit.

Note that:

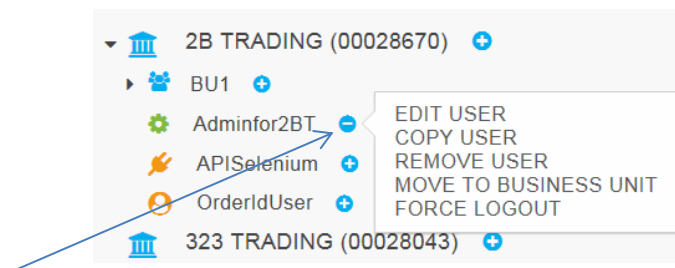
- Users assigned to a deleted Business Unit will be assigned directly to the participant's root;
- Only Euronext has the rights to delete a Business Unit;
- If a Business Unit is deleted, only a supervisor can see the trades of users who were in this BU.

### 3.5 USER MANAGEMENT

Note:

- The GUI user/Supervisor are created by Euronext;
- The API user are created by the participant's Admin;
- The Admin has the possibility to "Edit" and move a user to "BU";
- The Admin has to assign a profile to fill user details.

#### 3.5.1 User Information (GUI/API)



Click on this icon

- Select **"Edit user"**. A new pop-up appears:

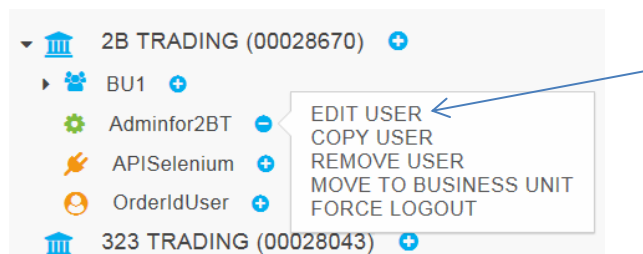
#### 3.5.2 User update (GUI/API)

There are two ways available to update users:

### 1) With Edit USER:

To update the User, click the User Name from the list in the left part of screen.

The update is made at user level and is accessed by **"Edit User"**:



User's information is displayed in the overlay. After updating the information, click on the **"Save"** button.

### 2) by clicking on the USER:



A window is displayed on the right side with the user details. Click on the Update User icon below to update the user details:

512 PARTICIPANTS

2B TRADING (00028670)

BU1

Adminfor2BT

APISelenium

OrderIdUser

USER DETAIL

First Name:

OrderId user

Last Name:

OrderId user

Participant:

2B TRADING

email:

orderid@euronext.com

API:

☐

Profile:

OrderIdmanager

Login:

OrderIdUser

Category:

User

Is Locked:

☐

Is Suspended:

☐

UPDATE USER

Participant

2B TRADING

Business Unit

CHOOSE

First Name

Orderid user

Last Name

Orderid user

Login

OrderidUser

Email

orderid@euronext.com

Password

Password confirmation

Category

USER

Profile

CHOOSE

Validity End Date:

×

YYYY-MM-DD

☐ API

☐ Suspend User

☐ User Locked

CANCEL

UPDATE

### 3.5.3 API User creation

Created Users are listed in the left part of screen.

Upon the first connection, the Participant's Admin can see all created Users in the left part of screen and edit User's information.

It is important to add every User to a Business Unit and to a Profile in order to define the limits of User's actions.

There are two ways in the Admin window to create new users:

- 1) By clicking on new user;
- 2) By clicking on **"ADD USER"**:

EURONEXT SATURN qa2

NEW USER 1

NEW BU

FILTER

512 PARTICIPANTS

2B TRADING (00028670)

323 TRADING (00028043)

3I INVESTMENTS (90000001)

9STREET CAPITAL MARKETS

ADD BUSINESS UNIT

REMOVE BUSINESS UNITS

ADD USER 2

ACTIVATE/SUSPEND PARTICIPANT

ACTIVATE/SUSPEND USERS

EDIT IP ADDRESSES

**NEW USER**

Participant:  Business Unit: BU2

First Name:  Last Name:

TestUpdate:  WithMasterAdmin:

Login: 2BSelenium Email: 2BSelenium@euronext.com

Password:  Password confirmation:

Category: USER Profile: CHOOSE

Validity End Date:  YYYY-MM-DD

☒ API ☐ Suspend User ☐ User Locked

[Ask for DigitCert Certificate](#)

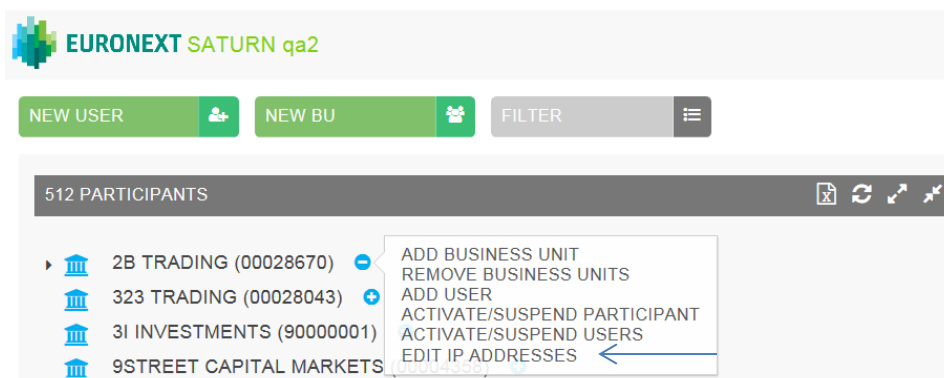
**CANCEL** **CREATE**

Fields	Description
Business Unit	A drop down menu allows the Participant administrator to choose a Business Unit
First Name	Free Text
Last Name	Free Text
Login	API login. This login is used when using the Saturn Web Services
Email	User e-mail
Password	<p>. For the Saturn Web User Interface: password should be at least 8 characters length, contain at least 1 Upper case, 1 lower case, 1 digits and 1 special char</p> <p>. For the API Saturn Web Service: Password should be at least 20 characters length, contain at least 3 Upper case, 3 lower case, 3 digits and 3 special char</p>
Category	Choose User's category (Administrator, Supervisor or User)
Profile	This field gives the User access to the different services with Read and/or Write access rights
Validity End Date	Expiration date for the User
API check	If ticked the User is defined as a User of the Saturn Web Services. Access to the Saturn User Interface is not permitted

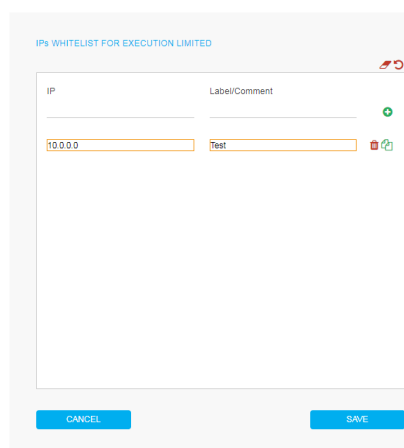
1. Click on “Ask for DigiCert Certificate” to obtain a certificate necessary for the API rest. Please note that all information about the installation of the certificate is available on <https://www.euronext.com/en/mifid-2> > Saturn Web Services Specifications > Euronext – Saturn Web Services Specifications
2. Click on “**CREATE**” when fields are populated.



**For API users IP address has to be defined at Participant level:**



Relevant IP address is defined



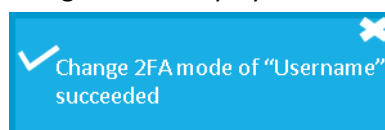
### 3.5.4 Change User's 2FA (Two-Factor Authentication) mode

In the case that Users need to change their 2FA from RSA to TOTP, the following steps must be followed:

1. Users must send a request to their Saturn Administrator (contact within their firm who has Admin rights) who should do the following:
  - Within the Saturn application, go to the [User Management](#) screen;
  - A context menu will allow you to reset the 2FA mode;



- After applying the change, a message will be displayed as a confirmation;

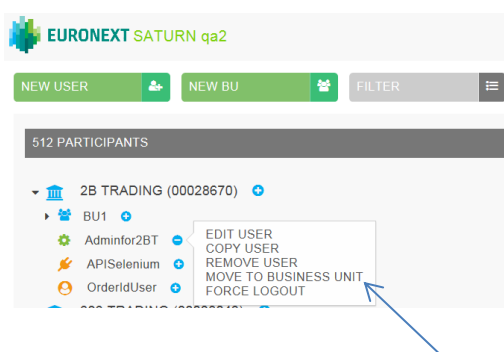


- The user will need to log in again and choose the TOTP solution. The user will then need to set a new password.

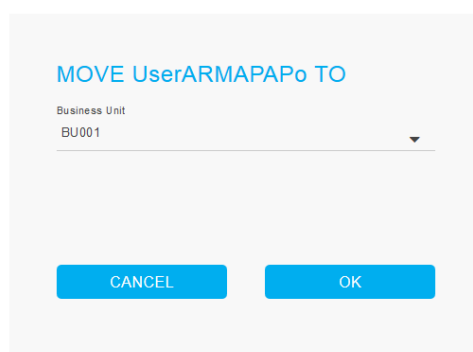
2. If their Saturn Administrator is not available or the request is for the Saturn Administrator's own access, the user may contact [Euronext Customer Access Services \(CAS\)](#) on: [cas@euronext.com](mailto:cas@euronext.com), +33 1 85 14 85 89.

### 3.6 MOVE TO BUSINESS UNIT

A user may be moved from one Business Unit to another one.



Choose the Business Unit and click on "OK":



### 3.7 PROFILES

Profiles are used to assign rights to Saturn services to users.

12 profiles are available by default:

- Admin
- Master Admin
- Read APA Post-Trade
- Read APA Pre-Trade



- Read ARM
- Read Commodities
- Read SLC manager
- Write APA Post-Trade
- Write APA Pre-Trade
- Write ARM
- Write Commodities
- Write SLC manager

Participant Admin can create, update or delete new profiles.

### 3.7.1 Profile Creation

NEW PROFILE



To create a new profile click the button:

A pop-up is displayed, enter the profile name and check the corresponding options to define the rights of the profile then click the **“CREATE”** button to save it:



ADD NEW PROFILE

TESTPROFILE

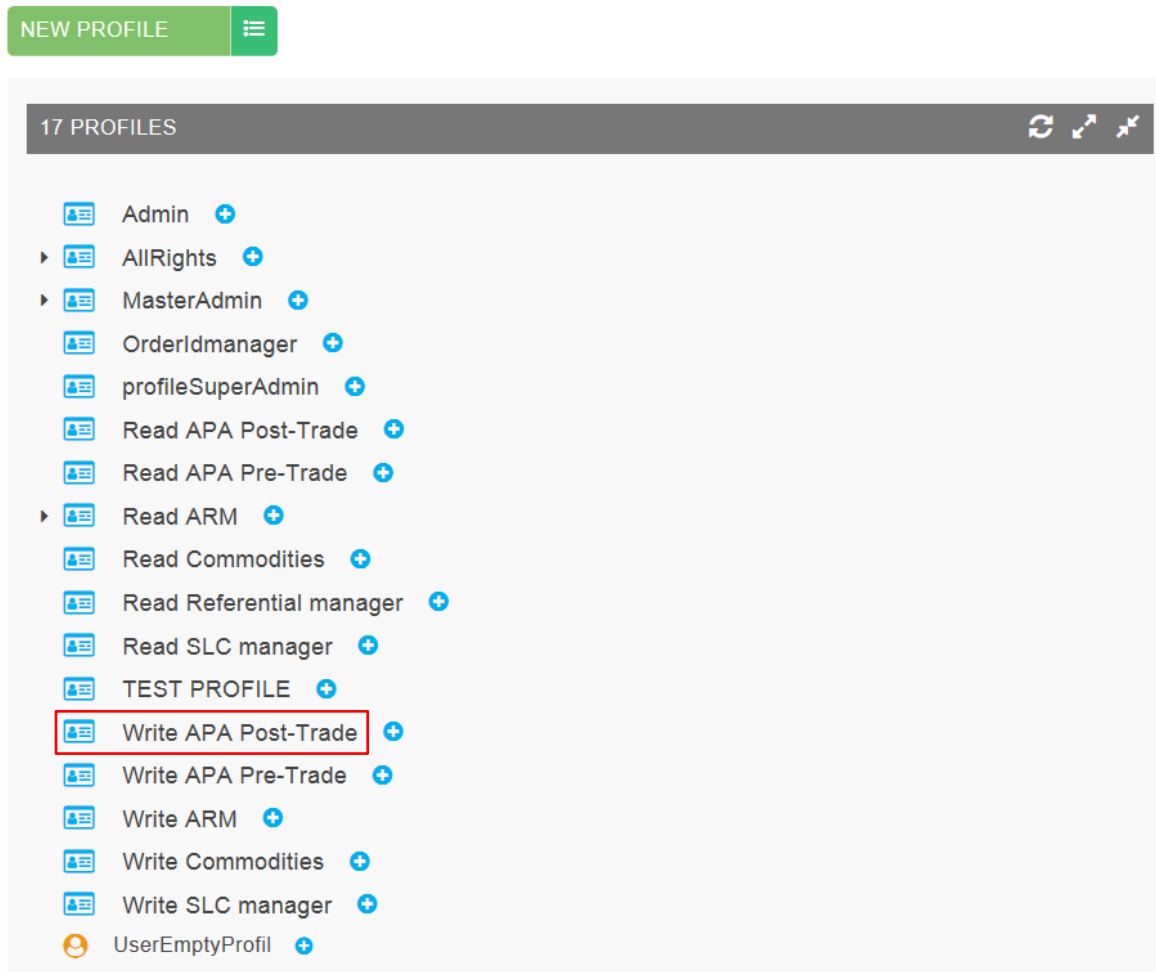
	VIEW	CREATION	UPDATE	DELETE
APA post-Trade Dashboard	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Upload APA Post-Trade	<input type="checkbox"/>		<input type="checkbox"/>	
APA Pre-Trade Dashboard	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Dashboard ARM	<input type="checkbox"/>			
Dashboard ARM Trades	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Upload ARM Trades	<input type="checkbox"/>		<input type="checkbox"/>	
Dashboard Commodities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Upload Commodities	<input type="checkbox"/>		<input type="checkbox"/>	
OBOE Dashboard	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Upload OBOE	<input type="checkbox"/>		<input type="checkbox"/>	
Orderid manager	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Upload Orderid	<input type="checkbox"/>		<input type="checkbox"/>	
OTC matching	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Upload OTC Matching	<input type="checkbox"/>		<input type="checkbox"/>	
Profile Management	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Referential manager	<input type="checkbox"/>			
SLC manager	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Upload SLC	<input type="checkbox"/>		<input type="checkbox"/>	
User Activity	<input type="checkbox"/>			
Users Management	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
User Unlock			<input type="checkbox"/>	
Suspend User			<input type="checkbox"/>	
Ip Adresse Management		<input type="checkbox"/>		
Business Unit Management	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
User Reset Password	<input type="checkbox"/>		<input type="checkbox"/>	

CANCEL CREATE

Note that:

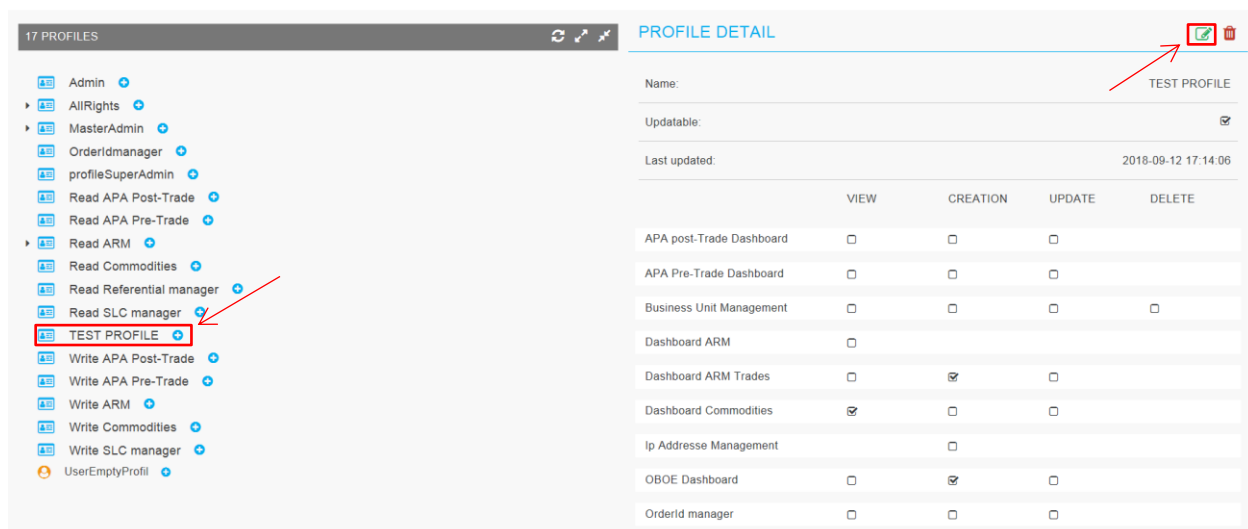
The profile name should be alphanumeric with no special character or space.

The new profile will appear in the profiles list:

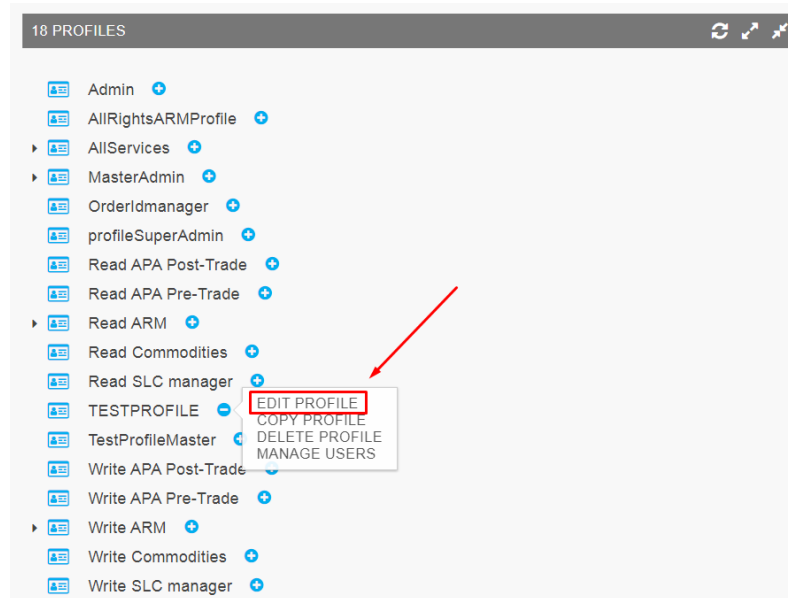


### 3.7.2 Profile Update

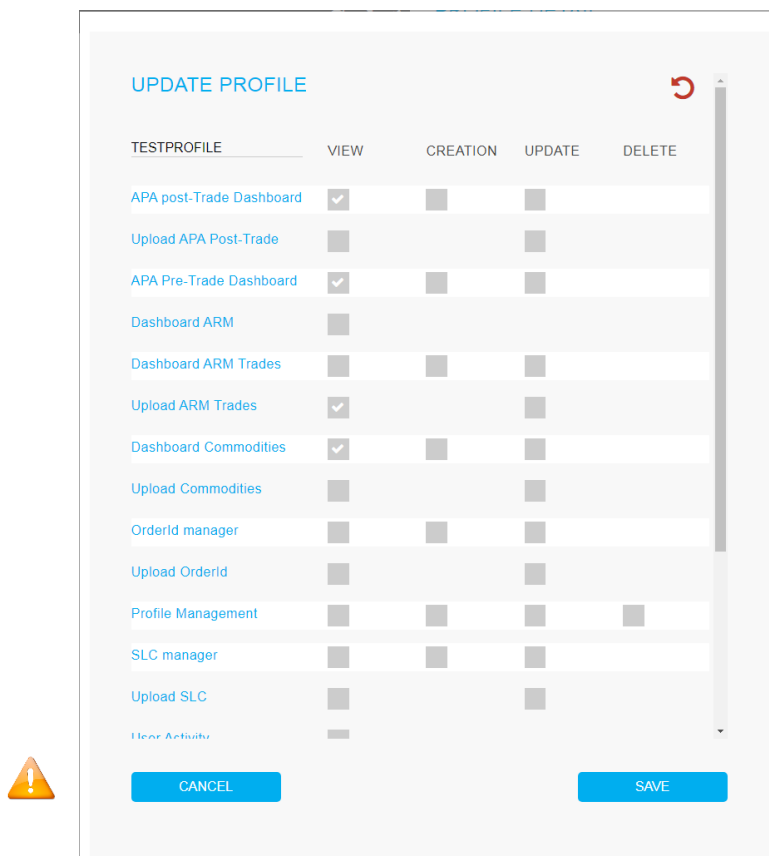
To update an existing profile, select the profile to modify in the profiles list, then click on the **“Modify”** button:



Or select **“Edit PROFILE”** in the action list of the selected profile:



The update pop-up appears. After modifying the profile, click on the **“SAVE”** button:



Note that:

- Default profiles cannot be modified;
- Only Participant Admin can modify profiles.

### 3.7.3 Profile Delete

To delete an existing profile, select the profile to delete in the profiles list, then click on the **“Delete”** button:

The screenshot shows the '18 PROFILES' list on the left and the 'PROFILE DETAIL' view on the right. In the profiles list, 'TESTPROFILE' is selected and highlighted with a red box. A red arrow points from this box to the 'Delete' button (trash icon) in the top right corner of the 'PROFILE DETAIL' view. The 'PROFILE DETAIL' view shows the profile name 'TESTPROFILE', its updatable status, and a table of permissions.

	VIEW	CREATION	UPDATE	DELETE
APA post-Trade Dashboard	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
APA Pre-Trade Dashboard	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Business Unit Management	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dashboard ARM	<input type="checkbox"/>			
Dashboard ARM Trades	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Dashboard Commodities	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Orderid manager	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Profile Management	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SLC manager	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Suspend User			<input type="checkbox"/>	
Upload APA Post-Trade	<input type="checkbox"/>		<input type="checkbox"/>	
Upload ARM Trades	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Upload Commodities	<input type="checkbox"/>		<input type="checkbox"/>	
Upload Orderid	<input type="checkbox"/>		<input type="checkbox"/>	
Upload SLC	<input type="checkbox"/>		<input type="checkbox"/>	

Or select **“DELETE PROFILE”** in the action list of the selected profile:

The screenshot shows the '18 PROFILES' list. The 'TESTPROFILE' profile is selected. A context menu is open over the 'TESTPROFILE' entry, showing four options: 'EDIT PROFILE', 'COPY PROFILE', 'DELETE PROFILE', and 'MANAGE USERS'. The 'DELETE PROFILE' option is highlighted with a red box and a red arrow.

Note that:

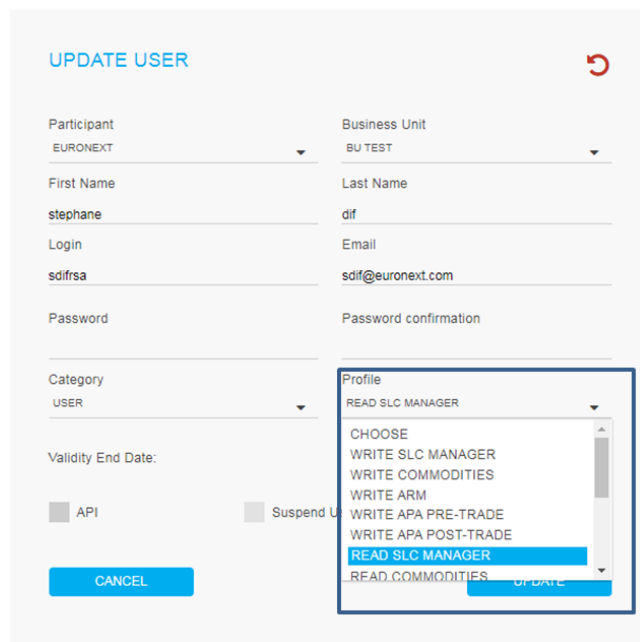
This functionality is available only to the Participant Admin profile with activated right “Delete”.

If a profile assigned to a user is deleted, the user will not be able to connect to the application anymore.

---

### 3.7.4 Assign Profile

- Edit a GUI/Supervisor/API
- Select a profile available in the drop down list and click on “update”



UPDATE USER

Participant: EURONEXT Business Unit: BU TEST

First Name: stephane Last Name: dif

Login: sdifrsa Email: sdif@euronext.com

Password: Password confirmation:

Category: USER

Validity End Date:

☐ API ☐ Suspend User

Profile dropdown menu options:

- CHOOSE
- WRITE SLC MANAGER
- WRITE COMMODITIES
- WRITE ARM
- WRITE APA PRE-TRADE
- WRITE APA POST-TRADE
- READ SLC MANAGER (highlighted)
- READ.COMMODITIES

CANCEL UPDATE

### 3.8 E-MAILS NOTIFICATION

E-mails can be set at the participant level. You will be able to receive communications from Euronext.

1. E-mail list which will receive general communication. (currently used for **ARM reports**).
2. E-mail list which will receive ARM reports. (available for participants which **subscribed to ARM service – FOR FUTURE USE**)
3. E-mail list which will receive APA reports. (available for participants which **subscribed to APA service**)

#### Remarks:

- You may provide up to **5 e-mails per list**.
- **At least one e-mail address must be provided** for the “E-mail” list.
- **ARM reports** contain all ARM transactions, per status, submitted in the application.
- **APA reports** contain all APA transactions, per status, submitted the previous day in the application.

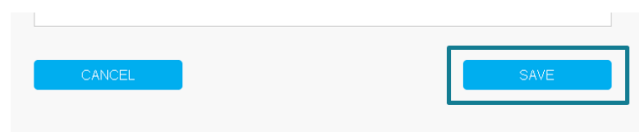
#### 3.8.1 Add a new e-mail address

To add an e-mail address, you have to :

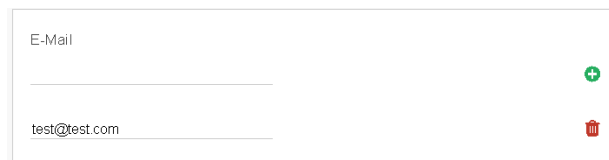
1. In the pop-up, **write the e-mail address in the right field.**



2. Click on the **green cross to confirm the e-mail address**.
3. To save the e-mail address, please click on **“Save”** button at the bottom of the pop-up.



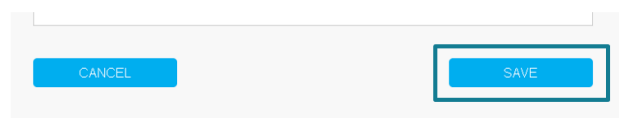
4. Your e-mail address is now valid and will be used by the system to send you different communications.



### 3.8.2 Amend an e-mail address

To amend an e-mail address, you have to :

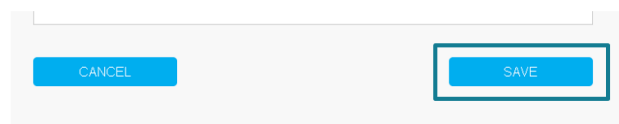
1. Select which e-mail address should be amended and do the modification.
2. To save your changes, please click on **“Save”** button at the bottom of the pop-up.



### 3.8.3 Delete an e-mail address

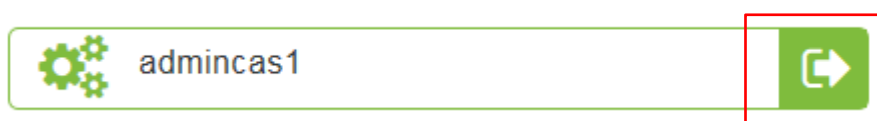
To delete an e-mail address, you have to :

1. Select which e-mail address should be removed and click on the red trash button in front of it.
2. To save your changes, please click on **“Save”** button at the bottom of the pop-up.



## 3.9 LOGGING OUT

To log out, click on the **LOGOUT** icon on the right side of screen:

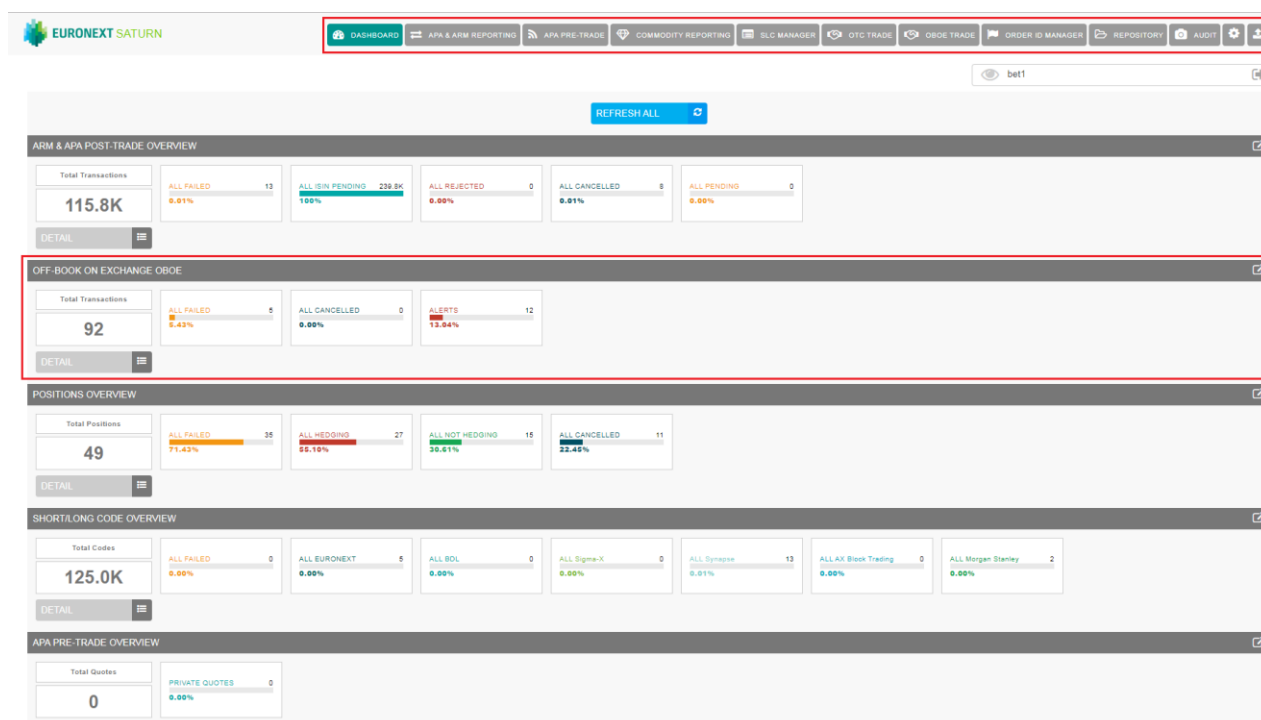


## 4. USER INTERFACE

### 4.1 LOGGING IN

To log in to the Euronext Saturn User Interface, please follow the steps described in section [3.2 Logging In](#).

If the login is successful, the Saturn Home page appears :

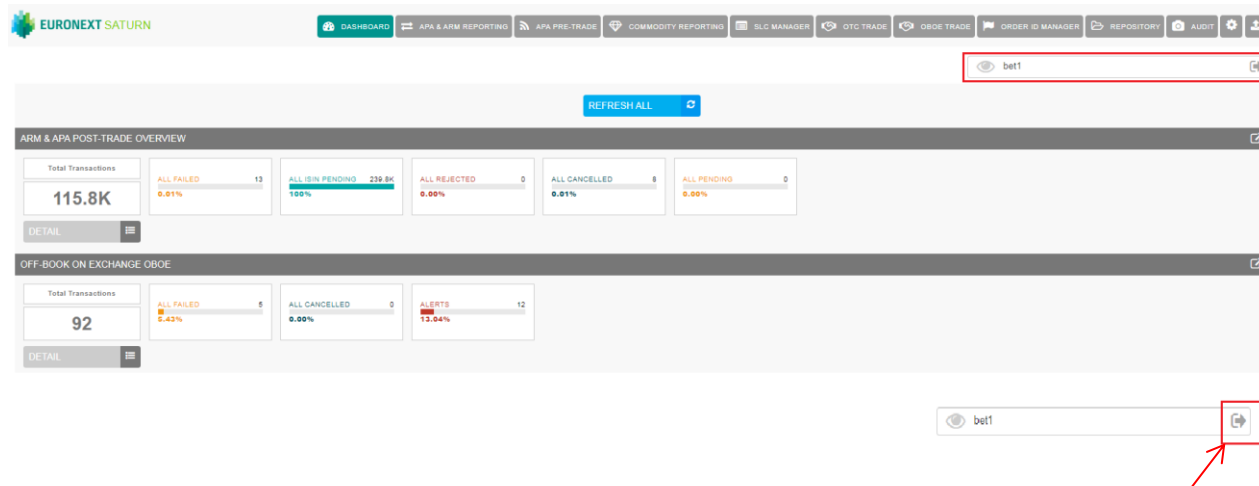


Note that the Home page is dependent on the services subscribed to, i.e.:

- **APA & ARM Reporting**
- **APA PRE-Trade publication**
- **OBOE Trades**
- **OTC Trades**
- **Commodity Positions reporting**
- **SLC Manager**

## 4.2 LOGGING OUT

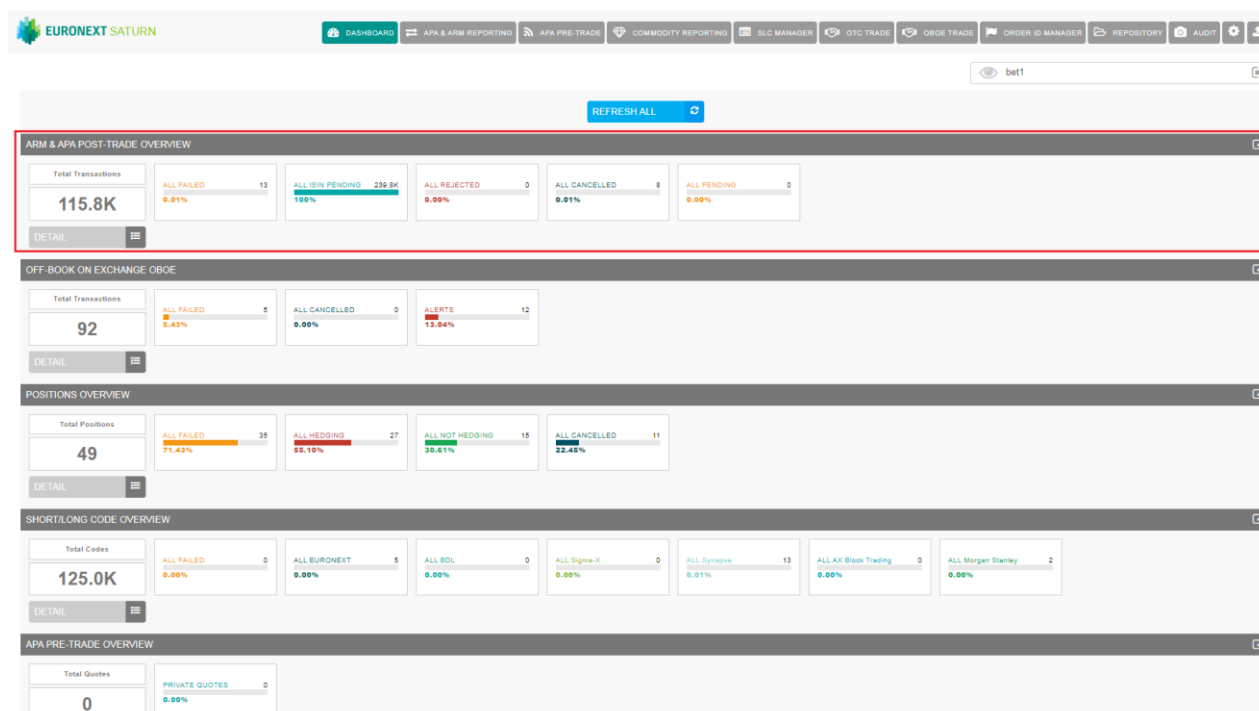
To log out, click on the **LOGOUT** icon on the right side of screen:



## 4.3 TRANSACTION REPORTING & APA

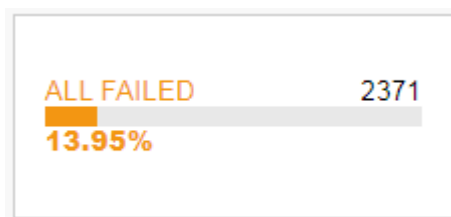
After connecting to the Saturn application, the Dashboard page appears. This page provides a global view of all services to which the user is entitled.

The dashboard displays information about the total number of transactions uploaded by a user, number of all failed transaction, number of rejected transactions, number of cancelled transactions.



The blocks “ALL FAILED”, “ALL REJECTED” and “ALL CANCELLED” are clickable and redirect to a pre filtered list of transactions.

If for example the block “ALL FAILED” is selected, a list of all failed transactions is shown.



EURONEXT SATURN qa2

ARM & APA REPORTING

2371 TRANSACTIONS

SELECT COLUMN TO DISPLAY

FREE SEARCH

INFO	TRANSACTION REFERENCE NUMBER	ORDER	STATUS	DATE	QUANTITY	SIZE	SECURITY ID	PRICE	MSD	BUSINESS UNIT	EXECUTING ENTITY ID	TX TYPE
	REF100	1	1	2017-10-10 11:00:00		10				BUY	34000017LCHP40000	APA
	CLB47MFP1071W400000000	2	1	2017-10-10 10:10:10	200000	10000	AD4041910000000	0000000000	10000	BUY	34000017LCHP40000	APA
	CLB47MFP1071W400000000	3	1	2017-10-10 10:10:10	200000	10000	AD4041910000000	0000000000	10000	BUY	34000017LCHP40000	APA
	CLB47MFP1071W400000000	4	1	2017-10-10 10:10:10	200000	10000	AD4041910000000	0000000000	10000	BUY	34000017LCHP40000	APA
	CLB47MFP1071W400000000	5	1	2017-10-10 10:10:10	200000	10000	AD4041910000000	0000000000	10000	BUY	34000017LCHP40000	APA
	CLB47MFP1071W400000000	6	1	2017-10-10 10:10:10	200000	10000	AD4041910000000	0000000000	10000	BUY	34000017LCHP40000	APA
	CLB47MFP1071W400000000	7	1	2017-10-10 10:10:10	200000	10000	AD4041910000000	0000000000	10000	BUY	34000017LCHP40000	APA
	CLB47MFP1071W400000000	8	1	2017-10-10 10:10:10	200000	10000	AD4041910000000	0000000000	10000	BUY	34000017LCHP40000	APA
	CLB47MFP1071W400000000	9	1	2017-10-10 10:10:10	200000	10000	AD4041910000000	0000000000	10000	BUY	34000017LCHP40000	APA
	CLB47MFP1071W400000000	10	1	2017-10-10 10:10:10	200000	10000	AD4041910000000	0000000000	10000	BUY	34000017LCHP40000	APA
	CLB47MFP1071W400000000	11	1	2017-10-10 10:10:10	200000	10000	AD4041910000000	0000000000	10000	BUY	34000017LCHP40000	APA
	CLB47MFP1071W400000000	12	1	2017-10-10 10:10:10	200000	10000	AD4041910000000	0000000000	10000	BUY	34000017LCHP40000	APA
	CLB47MFP1071W400000000	13	1	2017-10-10 10:10:10	200000	10000	AD4041910000000	0000000000	10000	BUY	34000017LCHP40000	APA
	CLB47MFP1071W400000000	14	1	2017-10-10 10:10:10	200000	10000	AD4041910000000	0000000000	10000	BUY	34000017LCHP40000	APA
	CLB47MFP1071W400000000	15	1	2017-10-10 10:10:10	200000	10000	AD4041910000000	0000000000	10000	BUY	34000017LCHP40000	APA
	CLB47MFP1071W400000000	16	1	2017-10-10 10:10:10	200000	10000	AD4041910000000	0000000000	10000	BUY	34000017LCHP40000	APA
	CLB47MFP1071W400000000	17	1	2017-10-10 10:10:10	200000	10000	AD4041910000000	0000000000	10000	BUY	34000017LCHP40000	APA
	CLB47MFP1071W400000000	18	1	2017-10-10 10:10:10	200000	10000	AD4041910000000	0000000000	10000	BUY	34000017LCHP40000	APA
	CLB47MFP1071W400000000	19	1	2017-10-10 10:10:10	200000	10000	AD4041910000000	0000000000	10000	BUY	34000017LCHP40000	APA
	CLB47MFP1071W400000000	20	1	2017-10-10 10:10:10	200000	10000	AD4041910000000	0000000000	10000	BUY	34000017LCHP40000	APA

DETAIL

On the dashboard page, the “DETAIL” Button:

will show a list of all transactions by Status, Date, User and Trading venue is shown.

ARM & APA POST-TRADE OVERVIEW

Total Transactions: 17.0K

ALL FAILED: 2371, 13.95%

ALL REJECTED: 946, 5.57%

ALL CANCELLED: 15, 0.06%

DETAIL

156 ITEMS

FILTER

STATUS	TOTAL	DATE	USER	TRADING VENUE IDENTIFIER	BUSINESS UNIT	PARTICIPANT ID	PARTICIPANT COMMERCIAL NAME
100	100	2017-10-10	eur01	TL00	BUY	0000079	
102	102	2017-10-10	eur01	TL00	BUY	0000079	
93	93	2017-10-10	br01	AL00	BUY	0000079	
97	97	2017-10-10	br01	XB00	BUY	0000079	
98	98	2017-10-10	br01	XB00	BUY	0000079	

FILTER

To apply a filter to this list, please click the “FILTER”: button

ARM & APA POST-TRADE OVERVIEW

Total Transactions: 17.0K

ALL FAILED: 13.95% (2371)

ALL REJECTED: 5.57% (946)

ALL CANCELLED: 0.06% (11)

186 ITEMS

**FILTER**

DATE: From - To

STATUS: CHOOSE

BUSINESS UNIT

TOTAL: From - To

VENUE

PARTICIPANT ID

PARTICIPANT NAME

USER: outAPI

PARTICIPANT ID: 00000579

CLEAR ITEMS

RUN

A pop-up will appear to allow to filter the list by:

- Date
- Total transaction
- User
- Participant ID
- Status
- Venue
- Business unit
- Participant Name

Click the **“RUN”** button to submit the filter or the **“CLEAR ITEMS”** button to reset the filter.

After clicking the **“RUN”** button, the filtered list will appear:

5 ITEMS

**FILTER**

STATUS	TOTAL	DATE	USER	TRADING VENUE IDENTIFIER	BUSINESS UNIT	PARTICIPANT ID	PARTICIPANT COMMERCIAL NAME
✖	195	2017-10-18	outAPI	THLB	BUY	00000579	
!	152	2017-10-18	outAPI	THLB	BUY	00000579	
!	93	2017-10-18	brq1	ALXP	BUY	00000579	
!	87	2017-10-18	brq1	XMAT	BUY	00000579	
!	86	2017-10-18	brq1	XBRU	BUY	00000579	

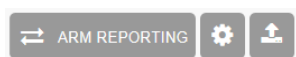
The top right of the Saturn Home page contains the main menu from where a selection of the following services can be made (based on subscription and profile):

- **For members with full access** an icon is shown at the top right of the page

DASHBOARD

- APA & ARM REPORTING
- APA PRE-TRADE
- COMMODITY REPORTING
- SLC MANAGER
- USER MANAGEMENT
- PROFILE MANAGEMENT
- About
- New submission

- For members with restricted access the services are shown in tabs at the top of the screen:



## 4.4 FILTERING AND SORTING

Most of the panes of the Saturn User Interface offer filtering / sorting features. To sort items in the currently displayed list (all pages) by the values in a column, click the column name and choose ▼ or ▲ (see example below):



On most pages, it is possible to specify as many filters as there are columns.

- To sort all list items in *ascending* or *descending* order:
  - click the arrow, and then select the sorting order required (ascending or descending).
- To filter all list items with several criteria:
  - click on the **"FILTER"** button, enter the criteria, click on the **"RUN"** button:



- to clear the filter and return to the initial display, click on the **"CLEAR ITEMS"** button:



## 4.5 REFRESHING DATA

The Euronext Saturn User Interface provides a 'Refresh' button:



The 'Refresh' button will manually update the information on a page.

## 4.6 EXPORTING DATA

Most data tables in the Saturn User Interface can be exported in **Excel** format (e.g. number of trades or volume of trades for cash instruments for the dates that are currently displayed).

On the top right side of screen choose **"EXCEL export"** icon:



A confirmation window is displayed. Choose the **"Save file"** option and click the **"OK"** button.

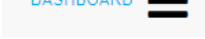
## 4.7 UPLOADING REPORTS THROUGH CSV FILES

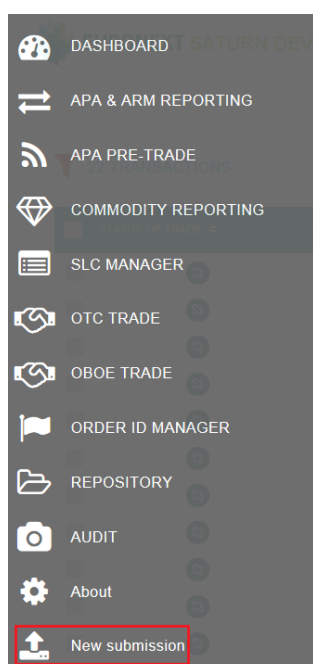
The Saturn application provides the ability to **manually** import transaction or trade publication reports by uploading CSV files.

Users must pay attention to the following limitations:

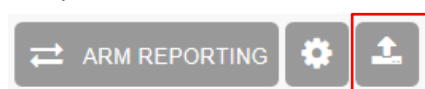
- Up to five (5) CSV files can be uploaded concomitantly;
- Each file cannot exceed 1Mo, i.e. around 1700 transaction reports.

As a consequence, a max of  $(1\,700 * 5) = 8\,500$  transactions can be simultaneously manually uploaded through the application.

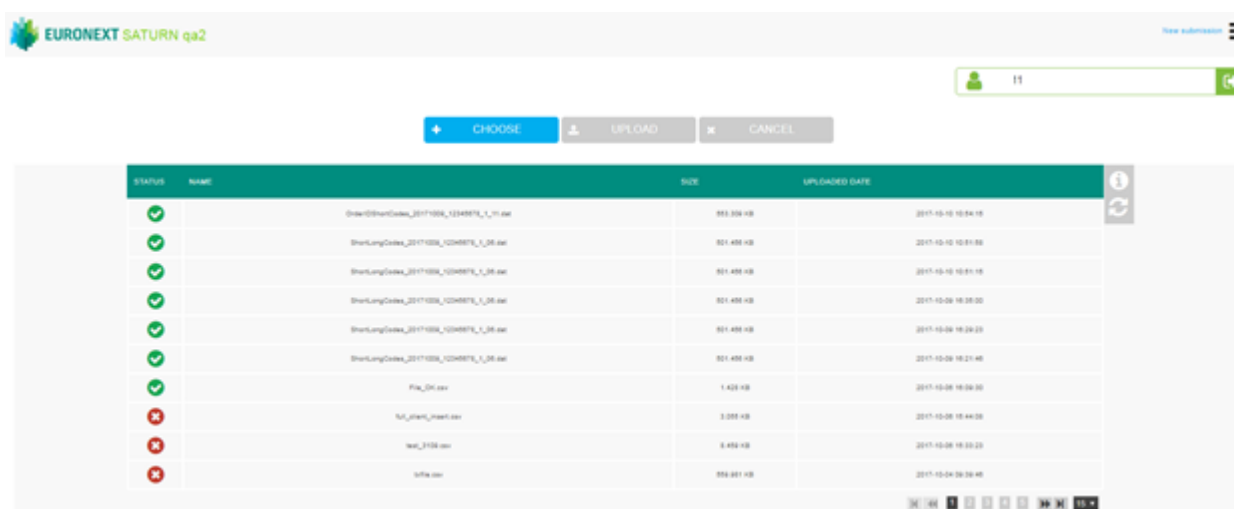
To upload a CSV file click on the menu (**For members with full access**) :  then select **“New submission”**:



To upload a CSV file, for members with restricted access, select **New submission icon**:



The following window is displayed:





1. Click on the “**CHOOSE**” button, browse local files and select the CSV files to upload.

The selected files are listed below the “**CHOOSE**” button. Selected files can be removed if required.

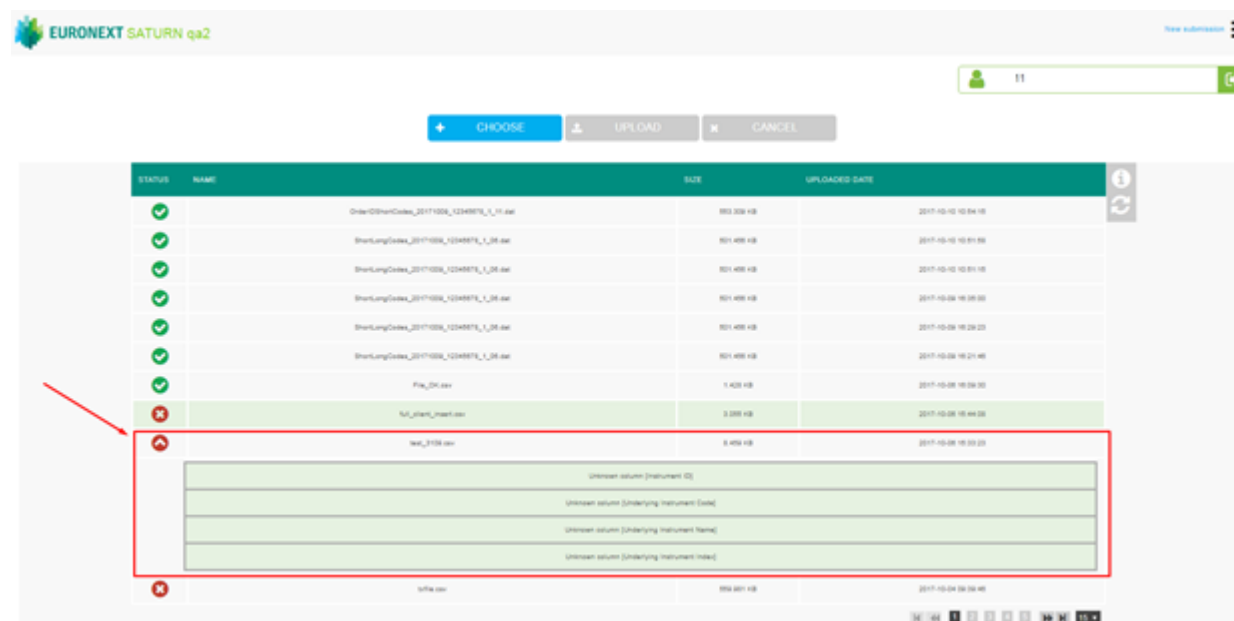
2. To upload the CSV files, click on the “**UPLOAD**” button.

3. To cancel the upload operation, click on the “**CANCEL**” button.

The upload pane also provides upload status for each file, i.e.:

- Status: File may be accepted  or rejected 
- File name
- File size
- Upload date and time

If a file is rejected, a list of errors is available by clicking on the “rejected” icon:







## 5. TRANSACTION REPORTING SERVICES


## 5.1 TRANSACTION REPORT CONSULTATION

The Saturn application provides an overview with details of all transactions that have been submitted with their respective status.

 EURONEXT SATURN qa2

ATA & ATA RESPONSE

 11


































15957 TRANSACTIONS

SELECT COLUMN TO DISPLAY

FREE SEARCH

FILTER

WHEEL	TRANSACTION REFERENCE NUMBER	ORIGIN	STATUS	DATE	QUANTITY	ISS	SECURITY ID	PRICE	MO	BUSINESS UNIT	EXECUTING ENTITY ID	FX FTR
	THA20000			2017-05-07 16:22:32					W0	BUT	THA00000100THA000000	ATA
	W01200			2017-05-03 11:58:00					W0	BUT	THA00000100THA000000	ATA
	SL00THA0100THA00000000			2017-05-03 16:12:29	200000 THYR		AC03A-010000000	000000 0000	10.00	BUT	THA00000100THA000000	ATA
	SL00THA0100THA00000000			2017-05-03 16:12:18	200000 THYR		AC03A-010000000	000000 0000	10.00	BUT	THA00000100THA000000	ATA
	SL00THA0100THA00000000			2017-05-03 16:12:07	200000 THYR		AC03A-010000000	000000 0000	10.00	BUT	THA00000100THA000000	ATA
	SL00THA0100THA00000000			2017-05-03 16:12:18	200000 THYR		AC03A-010000000	000000 0000	10.00	BUT	THA00000100THA000000	ATA
	SL00THA0100THA00000000			2017-05-07 16:30:00	200000 THYR		AC03A-010000000	000000 0000	10.00	BUT	THA00000100THA000000	ATA
	SL00THA0100THA00000000			2017-05-07 16:30:00	200000 THYR		AC03A-010000000	000000 0000	10.00	BUT	THA00000100THA000000	ATA
	SL00THA0100THA00000000			2017-05-03 08:30:00	200000 THYR		AC03A-010000000	000000 0000	10.0	BUT	THA00000100THA000000	ATA
	SL00THA0100THA00000000			2017-05-07 16:30:00	200000 THYR		AC03A-010000000	000000 0000	10.00	BUT	THA00000100THA000000	ATA
	SL00THA0100THA00000000			2017-05-07 16:30:00	200000 THYR		AC03A-010000000	000000 0000	10.00	BUT	THA00000100THA000000	ATA
	SL00THA0100THA00000000			2017-05-07 16:30:00	200000 THYR		AC03A-010000000	000000 0000	10.00	BUT	THA00000100THA000000	ATA
	SL00THA0100THA00000000			2017-05-03 08:30:00	200000 THYR		AC03A-010000000	000000 0000	10.00	BUT	THA00000100THA000000	ATA
	SL00THA0100THA00000000			2017-05-03 08:30:00	200000 THYR		AC03A-010000000	000000 0000	10.00	BUT	THA00000100THA000000	ATA
	SL00THA0100THA00000000			2017-05-03 08:30:00	200000 THYR		AC03A-010000000	000000 0000	10.00	BUT	THA00000100THA000000	ATA
	THA0000000000000000000000			2017-05-03 08:30:00	THYR00000000		AT0000-010000000	000000 0000	W0	BUT	THA000000000000000000	ATA

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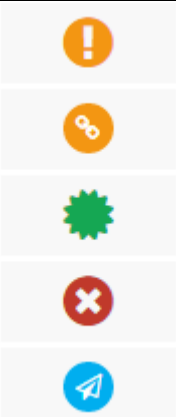
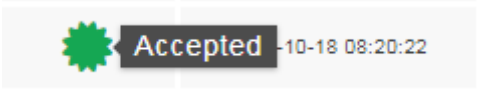

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The following default information is provided:

COLUMN	ICON /FORMAT	SOURCE	DESCRIPTION
SELECTION		Saturn field	User can select one or multiple transactions: <ul style="list-style-type: none"> <li>- One line for manual modification</li> <li>- One or multiple lines for single or multiple cancellations</li> </ul>
HISTORY		Saturn field	Provide a full history of a transaction with all changes in status
ORIGIN	 	Saturn field	Indicates whether the transaction was uploaded by Saturn

COLUMN	ICON /FORMAT	SOURCE	DESCRIPTION
STATUS		Saturn field	<p>Indicates the current status of the transaction. A status description is available by hovering the mouse cursor over the icon.</p> 
DATE	YYYY-MM-DD HH:MM:SS	Saturn field	Date/Time of last update of the transaction
SIDE		Saturn field	Nature of transaction, can be Buy, Sell, Cross or unknown
QUANTITY	decimal	ESMA & FCA RTS 22, ref. 30	Total transaction quantity.
INSTRUMENT ID		ESMA & FCA RTS 22, ref. 41	Code used to identify the financial instrument. (ISIN)
PRICE	decimal	ESMA & FCA RTS 22, ref. 33	Transaction Price.
VENUE	MIC code	ESMA & FCA RTS 22, ref. 36	Identification of the venue where the transaction was executed.
BUSINESS UNIT	alphanum	Saturn field	Business Unit's name defined in the Saturn Admin part
EXECUTING FIRM	alphanum	ESMA & FCA RTS 22, ref. 4	Code used to identify the entity executing the transaction ( LEI)
TRANSACTION REFERENCE NUMBER	alphanum	ESMA & FCA RTS 22, ref. 2	Identification number that is unique to the executing firm for each transaction report.

The window offers additional information and features:

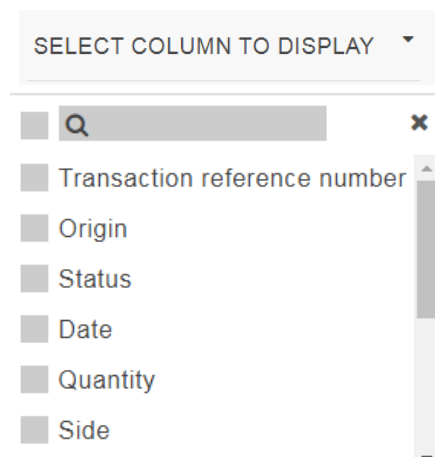
- A “Free Search” field allows for the possibility to search information from Free text fields:

FREE SEARCH









- Transactions criteria – access to all transaction filters:



- Choice of the columns to display on the table:



- Additional features are available from the menu on the right of the report:











FUNCTION	DESCRIPTION
	Refresh button
	Display extended view of the report, i.e. all fields of the transaction (including client information)
	Export to Excel. The exported file will contain the list of all transactions with all columns.
	Cancel selected transaction
	Edit selected transaction
	Insert a new transaction via Copy
	Insert a new transaction





## 5.2 THE DIFFERENT TRANSACTION STATUSES

**Transactions can be submitted to Saturn from Monday to Friday, from 7:00 AM to 10:00 PM CET.**

As soon as a transaction is received by Saturn whatever the format (FIXML, JSON, XML or CSV), it is processed in real-time by the Saturn Check Module. This module performs all the regulatory consistency checks as required by ESMA. As a result of this validation, a first status is sent back to the user. The transaction is displayed in the user Interface with its appropriate status. This real-time validation takes place before the transaction report cut-off time allowing users to correct potential errors before the transaction is sent to the investment firm's Competent Authority thus limiting the number of "Rejected" trades. Statutes referring to this validation can be referred to as "*Euronext Statuses*".

Transaction reports are then given another status from the regulators. Such statuses can be referred to as "*NCA Statuses*":

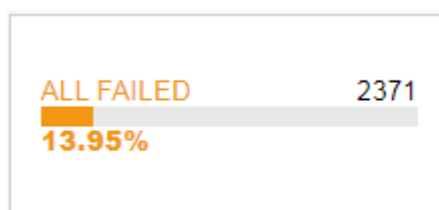
STATUS		DESCRIPTION
<b>Euronext Statuses</b>		
Checked		Compliant Transaction
Checked & Ready		Compliant Transaction after Client validation - <b>Checked &amp; Ready</b>
Wait for check		Transaction is waiting to be checked
Sent		Transaction is sent to regulator
Failed		<b>Failed:</b> Transaction contains errors. Failed transactions can be corrected and re-submitted for Euronext validation prior to the cut-off time.  By clicking on the line, users can get access to the list of errors.
Cancelled		<b>Cancelled:</b> transaction cancelled before being sent
Pending		Processing of transaction is pending. This status code is used in case the transaction report cannot be validated due to missing instrument reference data.
Awaiting matching		Transaction (Type k) is waiting for matching
To be removed		Transaction Cancelled and can be removed from the table.
<b>NCA Statuses</b>		
Received		Transaction received by the regulator

<b>Rejected</b>		Transaction has been rejected. This status is used in case the transaction has been rejected by the competent authorities.
<b>Cancelled received</b>		Cancel transaction request received at the regulator side
<b>Cancelled accepted</b>		Cancel transaction request accepted at the regulator side
<b>Accepted</b>		Transaction has been accepted by the competent authorities.

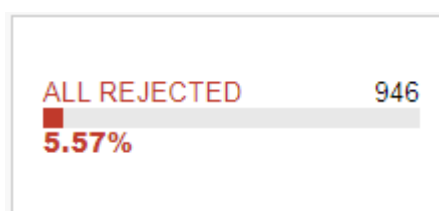
### 5.3 AMENDING A FAILED OR REJECTED TRANSACTION

It is possible to manually amend a transaction from the Saturn User Interface especially if it is in 'Failed' or 'Rejected' status. To amend a transaction, do the following:


- For a "Failed" transaction, it is recommended to point directly to the list of "**ALL FAILED**" transactions by clicking on the dedicated button from the dashboard page:




- For a "Rejected" transaction, it is recommended to point directly to the list of "**ALL REJECTED**" transactions by clicking on the dedicated button from the dashboard page:

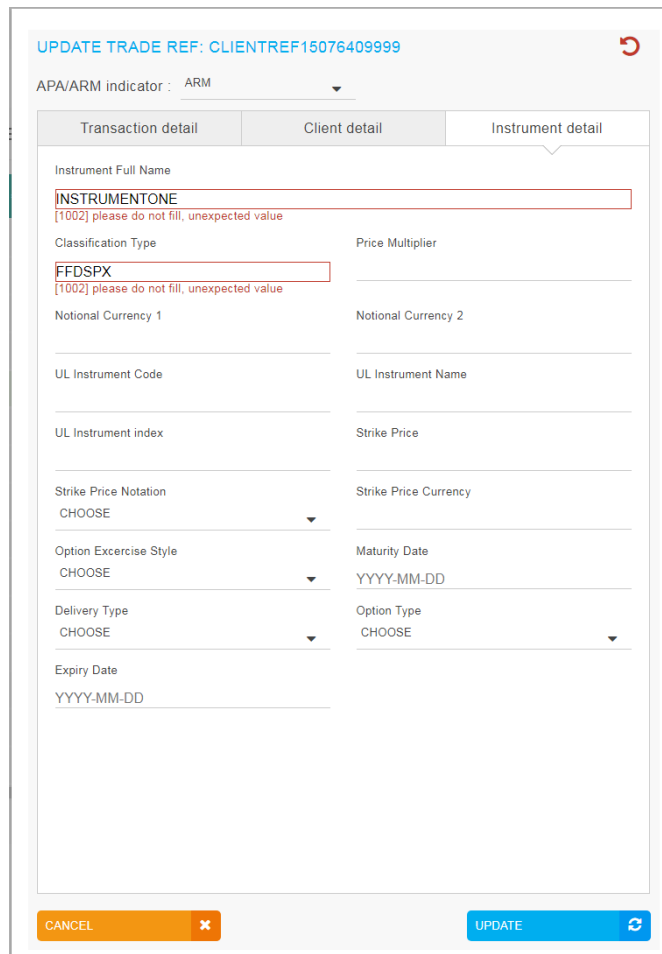


- Otherwise, from the detailed transaction report view based on user's criteria.
  - 1- Select the transaction to amend. Please note that manual transaction amendment in the Saturn application can only be done for one transaction at a time. Mass corrections can only be done via the Web Service:  
*In case multiple lines are selected, the amend button will disappear.*

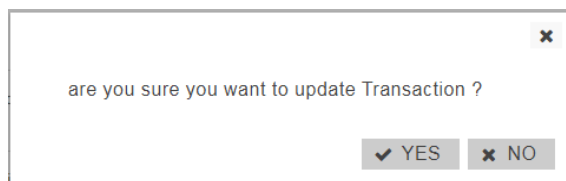
- 2- Choose the transaction to amend by checking the checkbox  on the left of the screen or by clicking in the transaction's line.

Click the “edit selected item”  icon on contextual menu on the right of the screen.

The following window appears and erroneous fields are highlighted in red:



8. After correcting the erroneous fields, click on the “**UPDATE**” button. A confirmation message appears.
9. Click “**YES**” to confirm the operation or “**NO**” to cancel:



Modified data is inserted in the transaction's line.

In case one of the amended fields is filled with incorrect information, an error message is displayed under the incorrect field and an alert is displayed in the right top part of the screen:

The screenshot shows a web form titled "UPDATE TRADE REF: CLIENTREF15076409999". At the top right, there is a red circular alert icon. Below the title, there is a dropdown menu for "APA/ARM indicator" set to "ARM". The form is divided into three tabs: "Transaction detail", "Client detail", and "Instrument detail". The "Transaction detail" tab is active, showing various fields for trade information. The "Executing Firm" field contains the value "549300I2Y1L" and has a red border with an error message below it: "'549300I2Y1L' field should match the pattern [a-z0-9]{18,18}[0-9]{2,2}". Other fields include "Trade Ref", "Trade Id", "Instrument Id", "Venue", "Price", "Quantity", "Net Amount", "Side", "Transmission Order", "Country Branch Membership", "Trading Capacity 1", "Trading Capacity 2", "Buyer Firm Id", "Seller Firm Id", "Up Front Payment", "Up Front Payment Currency", "Investment Decision Within Firm", "Investment Decision National ID Type", "Investment Decision Within Firm type", and "Country Of Investor". At the bottom, there are "CANCEL" and "UPDATE" buttons.

Once the transaction has been amended, a confirmation message is sent back to the user and the transaction status is updated.

## 5.4 CANCELLING A TRANSACTION


Users with the appropriate rights can cancel transactions. 1 to N transactions can be cancelled in the pane.

To cancel a transaction:

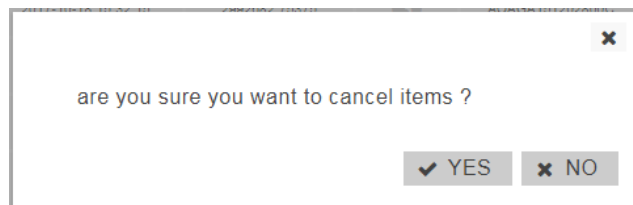
1. From the Transaction details screen, choose the lines to cancel.




Choose the transactions to cancel by checking the checkbox on the left of the screen.

2.  Click the "cancel" icon from the contextual menu in the right part of screen.

3. A confirmation message appears:



Click **"YES"** to confirm the cancellation of the selected transaction(s).

Once the transaction has been cancelled, a confirmation message is sent back to the user. The transactions status is updated :

The screenshot shows the Euronext Saturn q&2 interface. At the top, there's a header with the Euronext logo and "SATURN q&2". Below it, there's a search bar and a "FREE SEARCH" button. The main area displays a table of transactions. The table has columns: ACTION, TRANSACTION REFERENCE NUMBER, CURRENCY, STATUS, DATE, QUANTITY, SIDE, SECURITY ID, PRICE, MID, BUSINESS UNIT, EXECUTING ENTITY ID, and TX TYPE. Two transactions are highlighted with a red box: one with a status of "C" and one with a status of "S".

## 5.5 EDITING A TRANSACTION

To view more details of declarations or trades, do the following:

- 1) Click on the **"VIEW STATUS REPORT"** button in the menu:




The status report page is displayed:



- a) Restricted view: the most important data for the transaction is displayed;
- b) Extended view: all data for the transaction is available.



- 

UPDATE TRADE REF: CLIENTREF1507640532525


APA/ARM indicator : ARM

Transaction detail	Client detail	Instrument detail
Trade Ref		
CLIENTREF1507640532525		
Trade Id		
TRADINGVENUECKUK4088417888		
Executing Firm		
549300I2Y1LCN3FHSB30		
Instrument Id	Venue	
AOAGA151202800C	TNLB	
Price	Quantity	
663405.64906	2992682.75375	
Net Amount	Side	
184474.10494	SELL	
Transmission Order	Country Branch Membership	
FALSE	PT	
Trading Capacity 1	Trading Capacity 2	
DEAL	DEAL	
Buyer Firm Id	Seller Firm Id	
Up Front Payment	Up Front Payment Currency	
548102	GBP	
Investment Decision Within Firm	Investment Decision National ID Type	
FR000000000ZA#C#ZA#C#	CONCAT	
Investment Decision Within Firm type	Country Of Investor	
NATIONAL ID	FR	
Invest Firm Indicator	Derivative Notional Increase Decrease	

CANCEL

UPDATE

4. Click the **“UPDATE”** button to confirm the operation or the **“CANCEL”** button to cancel the operation.

## 5.6 TRANSACTION CRITERIA

On the Status report page, define declarations and trades to view by typing or selecting values for these search criteria:

- TRADE VENUE ID
- VENUE
- VOLUME
- TO BE CLEARED
- SUBMITTING ENTITY ID
- ORIGIN
- TRADE REF
- SIDE
- BYPASS CONTROL FLAG
- APA/ARM INDICATOR
- SECURITY ID
- MIC
- TRADED PRICE
- DEFERRAL INDICATOR
- ENTERING COUNTERPART
- USER
- STATUS
- BUSINESS UNIT
- TRANSACTION PRICE TYPE
- EXECUTING BROKER

Click on the **“RUN”** button to apply selected filters:

The screenshot displays the Euronext Saturn q&2 interface. At the top, there's a header with the Euronext logo and 'SATURN q&2'. Below this, a navigation bar shows '1697 TRANSACTIONS' and a 'SELECT COLUMN TO DISPLAY' dropdown. A search bar labeled 'FREE SEARCH' is present, along with a 'FILTER' button. The main area contains a grid of filter criteria, each with a dropdown menu for selection. The criteria include: TRADE VENUE ID, VENUE, VOLUME, TO BE CLEARED, SUBMITTING ENTITY ID, ORIGIN, TRADE REF, SIDE, BYPASS CONTROL FLAG, APA/ARM INDICATOR, SECURITY ID, MIC, TRADED PRICE, DEFERRAL INDICATOR, ENTERING COUNTERPART, USER, STATUS, BUSINESS UNIT, TRANSACTION PRICE TYPE, and EXECUTING BROKER. A 'RUN' button is located at the bottom right of the filter grid. Below the filters, a table displays transaction data with columns for various fields, including a 'RUN' button at the bottom right of the table area.

TRADE VENUE ID	TRADE REF	SECURITY ID	USER
VENUE	SIDE	MIC	STATUS
VOLUME	CHOOSE	TRADED PRICE	CHOOSE
From	BYPASS CONTROL FLAG	DEFERRAL INDICATOR	BUSINESS UNIT
TO BE CLEARED	CHOOSE	CHOOSE	TRANSACTION PRICE TYPE
CHOOSE	APA/ARM INDICATOR	CHOOSE	CHOOSE
SUBMITTING ENTITY ID	CHOOSE	ENTERING COUNTERPART	EXECUTING BROKER
ORIGIN			
CHOOSE			

Below the filters, a table displays transaction data:

TRADE VENUE ID	TRADE REF	SECURITY ID	USER
CLIENTREF1027000000	1027000000	1027000000	1027000000
CLIENTREF1027000000	1027000000	1027000000	1027000000
CLIENTREF1027000000	1027000000	1027000000	1027000000
TRADEREF1027000000	1027000000	1027000000	1027000000
CLIENTREF1027000000	1027000000	1027000000	1027000000
CLIENTREF1027000000	1027000000	1027000000	1027000000
CLIENTREF1027000000	1027000000	1027000000	1027000000
CLIENTREF1027000000	1027000000	1027000000	1027000000
CLIENTREF1027000000	1027000000	1027000000	1027000000
CLIENTREF1027000000	1027000000	1027000000	1027000000

## 5.7 INSERT A NEW TRANSACTION FROM THE SATURN WEB APPLICATION

It is possible to submit a new transaction via the Saturn GUI by entering all its details manually. Users should nevertheless use this option as a back-up due to the number of data that must be entered. To manually submit a transaction, do the following:

- 1- Click the “Insert Transaction” icon from the contextual menu in the right part of screen.



The new transaction overlay is displayed:

**INSERT NEW TRANSACTION**

APA/ARM indicator : ARM

Transaction detail	Client detail	Instrument detail
Trade Ref		
Trade Id		
Executing Firm		
Instrument Id	Venue	
Price	Quantity	
Net Amount	Side	
Transmission Order	COUNTRY Branch Membership	
Trading Capacity 1	Trading Capacity 2	
Buyer Firm Id	Seller Firm Id	
Up Front Payment	Up Front Payment Currency	
Investment Decision Within Firm	Investment Decision National ID Type	
Investment Decision Within Firm type	Country Of Investor	
Invest Firm Indicator	Derivative Notional Increase Decrease	

**CANCEL** **INSERT**

Populate all required fields with the right data and click on the “**INSERT**” button. The new transaction line appears in the transactions status report.

### 5.7.1 Add or complete a client’s personal information

Please note: this section is only visible to Participant’s users. For Euronext Master Administrator access to personal client’s information is strictly forbidden.

To insert personal client’s information to a transaction do the following:

1. Check the selected transaction:



2. Click the “Edit selected transaction” icon:



The overlay with all client’s detail is displayed:

UPDATE TRADE REF: CLIENTREF150764066666

APA/ARM indicator : ARM

Transaction detail	Client detail	Instrument detail
Side	CHOOSE	
Type	CHOOSE	
Identification Code		
First Name		
Surname		
BirthDate	YYYY-MM-DD	
Identification Type	LEI	
Seller Identification Code	549300I2Y1LCN3FHSB30	
Seller Country Branch	FR	
Seller First Name	SELLER	
Seller Surname	SELLER	
Seller BirthDate	YYYY-MM-DD	
Identification Type	LEI	
Buyer Identification Code	549300I2Y1LCN3FHSB30	
Buyer Country Branch	FR	
Buyer First Name	BUYER	
Buyer Surname	BUYER	
Buyer BirthDate	YYYY-MM-DD	

CANCEL UPDATE

3. Click the “add” icon at the bottom of the client’s details list:

Once all required information has been entered, click on the “**UPDATE**” button.

The client information is added to the repeating sections of the transaction. To check added information, scroll to the “Client detail” column and click on the “Clients” icon:

























EURONEXT SATURN qa2

16997 TRANSACTIONS

SELECT COLUMN TO DISPLAY

FREE SEARCH

FILTER

PRICE	STRIKE PRICE NOTATION	STRIKE PRICE CURRENCY	OPTION EXERCISE STYLE	MATURITY DATE	EXPIRY DATE	DELIVERY TYPE	CLIENT DETAILS	USER	BYPASS CONTROL FLAG	DEFERRAL INDIC
							  	login	N/D	N/D
							  	login	N/D	N/D
							  	login	FALSE	FALSE
							  	login	FALSE	FALSE
							  	login	FALSE	FALSE
							  	login	FALSE	FALSE
							  	login	FALSE	FALSE
							  	login	FALSE	FALSE

CLIENT'S DETAIL

Seller Id Code 549300I2Y1LCN3FHSB30

Seller Country Branch FR

Seller First Name SELLER

Seller Last Name SELLER

Buyer Id Code 549300I2Y1LCN3FHSB30

Buyer Country Branch FR

Buyer First Name BUYER

Buyer Last Name BUYER

## 5.8 TRADES RECOVERY PROCESS

Following the regulator's request, a new process "Transactions recovery" is implemented in Saturn, to allow clients to modify their transactions already reported but with erroneous data, in order to be compliant with ARM transactions reporting validation.

This new process will use the key fields entered (Trade ref / Executing Firm / ..) by the clients, to recover the transactions already stored in the database, then make an update and report them to the regulators.

The recovery action must be processed, as the current amendment, during the generation of ARM file for regulators.

Please note :

- The value [4: Recovery] has been added in the "Action" field, to allow customers to launch this process
- This process is only available for [Upload file in the GUI](#). It is not applicable for API REST (web service)
- The files to be recovered are processed in post-session in order to not disturb the intraday activity. So the file processing can take over 48h.
- It concerns only the reporting services (i.e. when APA ARM indicator takes value:)
  - ✓ ARM
  - ✓ APA (Not applicable)
  - ✓ APA&ARM
  - ✓ OTC Trade (Not applicable)
  - ✓ OBOE (Not applicable)
  - ✓ OBOE&ARM

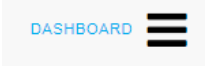
### 5.8.1 Uploading Recovery file

As described in the above section [4.7: Uploading reports through CSV file](#), to recover a transaction, do the following:

1. Enter the key data that allow to retrieve the corresponding transaction in the file to be uploaded.
  - **For Internal trades** (i.e. Trades executed on Euronext Market) the key data to be used are :
    - Executing entity ID
    - Transaction reference number
  - **For External trades** (i.e. Trades executed on another trading venue) the key data are :
    - Executing entity ID
    - Side
    - Trading venue transaction ID
    - Security ID
    - Trading date time (in UTC)
    - Venue
    - Transaction reference number

Please note that if one of the above key data is different from data in Saturn database, the trade cannot be found and the error message will be displayed.

For recovery process, if a key field must be updated, the trade must be cancelled/replaced by a new one.

2. Update the others fields with the correct values to be store in the transaction after recovering
3. Choose Action = 4 (Recovery) in the file and Upload it by clicking on the menu (**For members with full access**) :  then select **“New submission”**:

Note that for uploading several trades, the first line (trade) in the file to be recovered must have as Action = 4, if not the process cannot be done.

---

### 5.8.2 Exporting error data

Following the recovery process, all the error data can be exported in **Excel** format.

On the top right side of screen choose **“EXCEL export”** icon:



A confirmation window is displayed. Choose the **“Save file”** option and click the **“OK”** button.

## 6. APPROVED PUBLICATION ARRANGEMENT (APA)

## 6.1 TRANSACTION REPORT CONSULTATION

The Saturn application shows the details of all transactions that have been submitted with their respective status.

A filter can be used to only select APA transactions.

Click on the following button:




Choose APA in the field APA/ARM INDICATOR and click on **“RUN”**.

74 TRANSACTIONS
SELECT COLUMN TO DISPLAY
FREE SEARCH
FILTER

TRADE VENUE ID	TRADE REF	SECURITY ID	USER
VENUE	SIDE CHOOSE	MIC	STATUS CHOOSE
VOLUME		TRADED PRICE	BUSINESS UNIT
From	To		
TO BE CLEARED CHOOSE	BYPASS CONTROL FLAG CHOOSE	DEFERRAL INDICATOR CHOOSE	TRANSACTION PRICE TYPE CHOOSE
SUBMITTING ENTITY ID	APA/ARM INDICATOR CHOOSE	ENTERING COUNTERPART	EXECUTING BROKER
ORIGIN CHOOSE	CHOOSE ARM <div>APA</div> APA & ARM		

CLEAR ITEMS
RUN

Only APA transactions are displayed:



Dashboard

APR & ARM REPORTING

APR PRE-TRADE

COMMODITY REPORTING

SLC MANAGER

10

7 TRANSACTIONS

SELECT COLUMN TO DISPLAY

FREE SEARCH

Filter

WETS...	TRANSACTION REFERENCE NUMBER	ORIGIN	STATUS	DATE	QUANTITY	SIZE	SECURITY ID	PRICE	MC	BUSINESS UNIT	EXECUTING ENTITY ID	TX TYPE
1	TX00000000000000000000	1	✓	2017-11-15 14:00:00	500	0.00000000	AL0000000000	4000	00.00	BLU	TX00000000000000000000	APR
2	TX00000000000000000000	1	✓	2017-11-14 17:00:00	500	0.00000000	AL0000000000	4000	00.00	BLU	TX00000000000000000000	APR
3	TX00000000000000000000	1	✓	2017-11-15 14:00:00	500	0.00000000	AL0000000000	4000	00.00	BLU	TX00000000000000000000	APR
4	TX00000000000000000000	1	✓	2017-11-15 14:00:00	500	0.00000000	AL0000000000	4000	00.00	BLU	TX00000000000000000000	APR
5	TX00000000000000000000	1	✗	2017-11-07 11:40:00	10000	0.00000000	AL0000000000	10000	00.00	BLU	TX00000000000000000000	APR
6	TX00000000000000000000	1	✓	2017-11-08 10:00:00	10000	0.00000000	AL0000000000	10000	00.00	BLU	TX00000000000000000000	APR
7	TX00000000000000000000	1	✓	2017-11-08 10:00:00	10000	0.00000000	AL0000000000	10000	00.00	BLU	TX00000000000000000000	APR
8	TX00000000000000000000	1	!	2017-11-02 11:00:00	10000	0.00000000	AL0000000000	10000	00.00	BLU	TX00000000000000000000	APR

1

2

3

4

5

6

7

8






All other functionalities Amend, Cancellation, Editing, Export and so on are the same as Transaction Reporting services.



## 6.2 THE DIFFERENT TRANSACTION STATUSES

Transactions can be submitted to Saturn from Monday to Friday, from 7:00 AM to 10:00 PM CET.

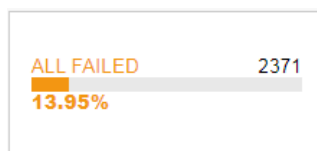
As soon as a transaction is received by Saturn whatever the format (FIXML, JSON, XML or CSV), it is processed in real-time by the Saturn Check Module. This module performs all the regulatory consistency checks as required by ESMA. As a result of this validation, a first status is sent back to the user. The transaction is displayed in the user Interface with its appropriate status. This real-time validation takes place before the transaction report cut-off time allowing users to correct potential errors before the transaction is sent to the investment firm's Competent Authority thus limiting the number of "Rejected" trades. Statutes referring to this validation can be referred to as "*Euronext Statutes*".

STATUS		DESCRIPTION
<b>Euronext <u>Statutes</u></b>		
<b>Checked &amp; Ready</b>		Compliant Transaction after Client validation - <b>Checked &amp; Ready</b>
<b>Wait for check</b>		Transaction is waiting to be checked
<b>Sent</b>		Transaction is sent to Market Data
<b>Failed</b>		<p><b>Failed:</b> Transaction contains errors. Failed transactions can be corrected and re-submitted for Euronext validation prior to the cut-off time.</p> <p>By clicking on the line, users can get access to the list of errors.</p>
<b>Cancelled</b>		<b>Cancelled:</b> transaction cancelled before being sent

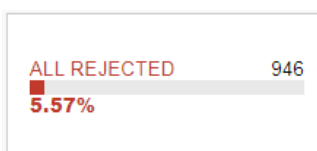
## 6.3 AMENDING A FAILED OR REJECTED TRANSACTION

It is possible to manually amend a transaction from the Saturn User Interface especially if it is in 'Failed' or 'Rejected' status. To amend a transaction, do the following:

- For a "Failed" transaction, it is recommended to point directly to the list of "**ALL FAILED**" transactions by clicking on the dedicated button from the dashboard page:




- For a “Rejected” transaction, it is recommended to point directly to the list of “ALL REJECTED” transactions by clicking on the dedicated button from the dashboard page:




- Otherwise, from the detailed transaction report view based on user’s criteria.

- 3- Select the transaction to amend. Please note that manual transaction amendment in the Saturn application can only be done for one transaction at a time. Mass corrections can only be done via the Web Service:

*In case multiple lines are selected, the amend button will disappear.*

- 4- Choose the transaction to amend by checking the checkbox  on the left of the screen or by clicking in the transaction’s line.

Click the “edit selected item”  icon on contextual menu on the right of the screen.

The following window appears and erroneous fields are highlighted in red:

UPDATE TRADE REF: O3EY135VK13425425

APA/ARM indicator : APA

APA Post-Trade

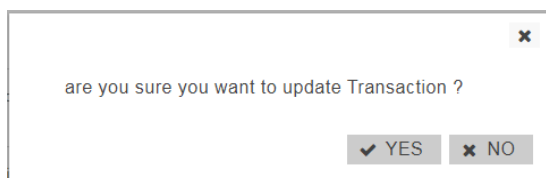
Instrument detail

Trade Id	
Executing Firm	Business Unit
549300WCGB70D06XZS54	BU001
Instrument Id	Venue
IE00BD4H0F21	XOFF
Side	Invest Firm Indicator
BUY	CHOOSE
Price	Quantity
1.1	5000
Trading Capacity 1	Trading Capacity 2
DEAL	CHOOSE
Price Currency	Price Notation
EUR	CHOOSE
Quantity Currency	Quantity Notation
	UNIT
Trading date time	
2019-10-01T00:11:12.260000Z	
[4007] trading date time is in the future	
OTC Post Trade Id	

CANCEL

UPDATE

4. After correcting the erroneous fields, click on the **“UPDATE”** button. A confirmation message appears.
5. Click **“YES”** to confirm the operation or **“NO”** to cancel:



Modified data is inserted in the transaction's line.

In case one of the amended fields is filled with incorrect information, an error message is displayed under the incorrect field and an alert is displayed in the right top part of the screen:

Once the transaction has been amended, a confirmation message is sent back to the user and the transaction status is updated.

---



## 6.4 CANCELLING A TRANSACTION

Same like explained above for ARM.

---

## 6.5 EDITING A TRANSACTION

To edit a transaction:

1.  Choose the transaction to edit by checking the checkbox on the left of the screen;
2.  Click the “edit selected Transaction” icon on contextual menu on the right of the screen.

UPDATE TRADE REF: IS9ET0Y8J4M6C1NSSLWNXC2BL910H01L...

APA/ARM indicator : APA

APA Post-Trade	Instrument detail
Trade Id 34O1L8ZT64	
Executing Firm 549300D368MP7RCUV848	Business Unit BU020
Instrument Id DE000C033258	Venue XOFF
Side BUY	Invest Firm Indicator CHOOSE
Price 976.35	Quantity 321
Trading Capacity 1 CHOOSE	Trading Capacity 2 CHOOSE
Price Currency EUR	Price Notation MONE
Quantity Currency EUR	Quantity Notation UNIT
Trading date time 2018-06-08T10:11:12.260000Z	
OTC Post Trade Id OTC	

CANCEL
UPDATE

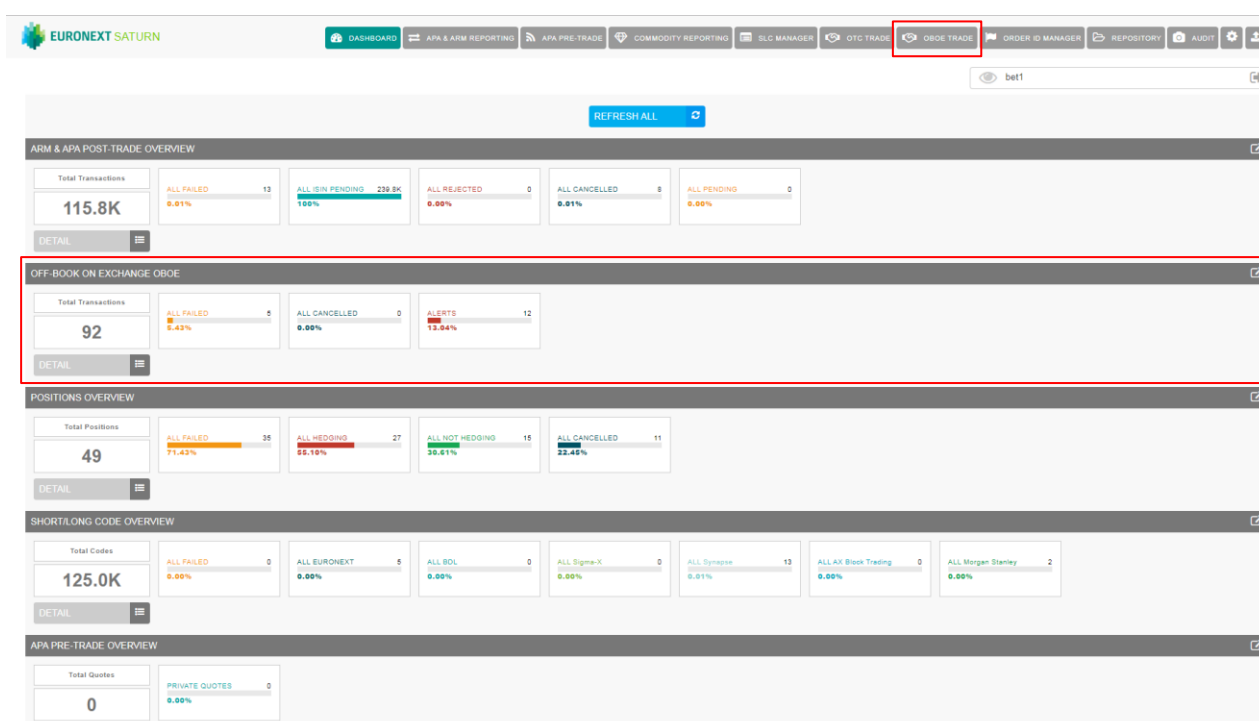
## 7. OFF BOOK ON EXCHANGE (OBOE) FOR MEMBERS PROFILE

### 7.1 USER INTERFACE

After connecting to the Saturn application, the Dashboard page appears. This page gives a global view of all services to which the user is entitled. The dashboard displays information about the total number of transactions uploaded by a user, number of all failed, rejected, pending and cancelled transactions.

The section for Off book on exchange (OBOE) transactions displays four blocks. First block for the total number of transactions uploaded by the user, second block for number of all failed, third block for number of all cancelled transactions and last block is number of alerts for warning trades.

- **Dashboard for members profile :**



- **DETAIL button :**

DETAIL

On the dashboard page, the “DETAIL” Button:

will show the total amount of transactions **grouped by Status per date**.

OFF-BOOK ON EXCHANGE OBOE

Total Transactions: 92. ALL FAILED: 5 (5.43%). ALL CANCELLED: 0 (0.00%). ALERTS: 12 (13.04%).

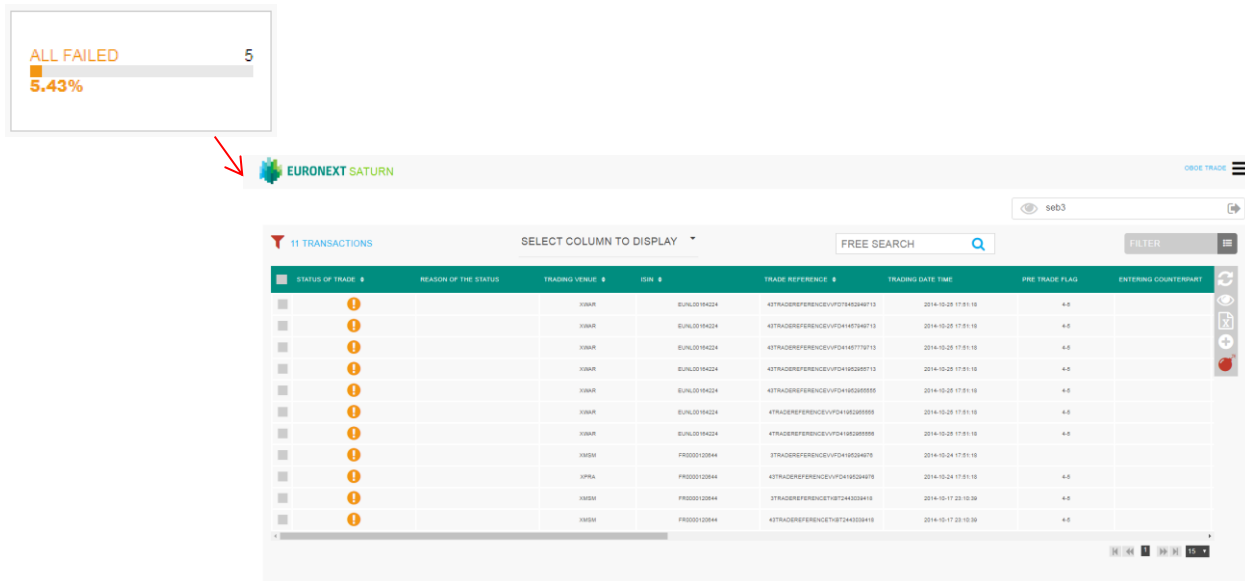
DETAIL

3 ITEMS

STATUS	TOTAL	DATE	USER	TRADING VENUE IDENTIFIER	BUSINESS UNIT	PARTICIPANT ID	PARTICIPANT COMMERCIAL NAME	TX TYPE
!	1	2019-09-08	bet1	XOFF	my BU 2	00000001	MDA TEST LEI	OBOE
!	1	2019-09-08	bet1	XOFF	my BU 2	00000001	MDA TEST LEI	OBOE
!	1	2019-09-08	bet1	TARR	my BU 2	00000001	MDA TEST LEI	OBOE

- **ALL FAILED Block :**

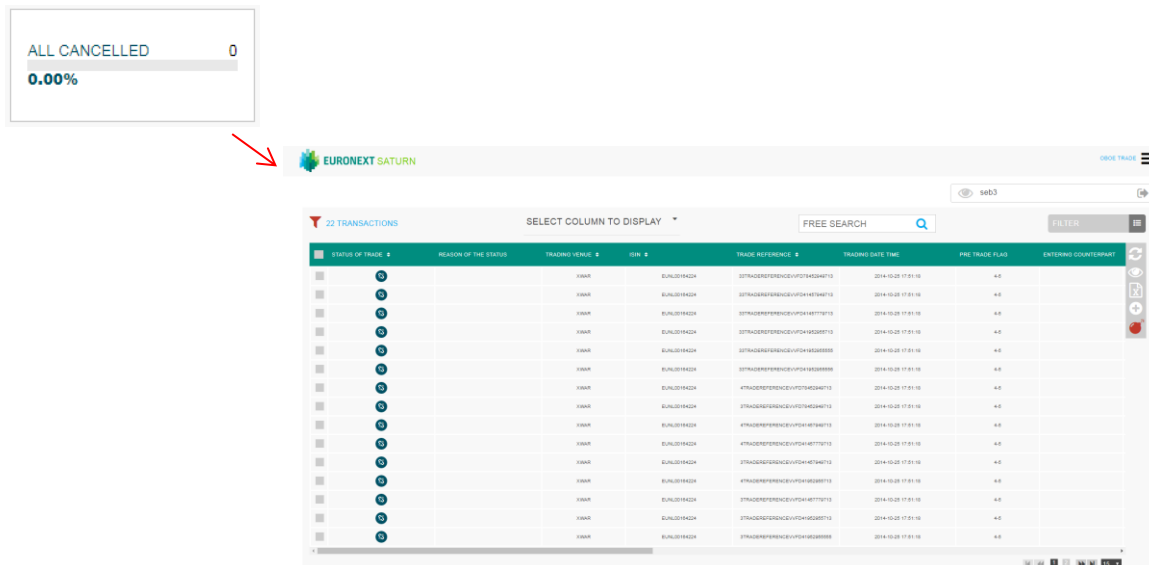
The block “ALL FAILED” is clickable and redirect to a pre filtered list of all failed transactions.



The screenshot shows the Euronext Saturn interface. At the top left, a box displays 'ALL FAILED' with a value of 5 and 5.43%. A red arrow points from this box to the main interface. The main interface shows a table with 11 transactions. The table has columns: STATUS OF TRADE, REASON OF THE STATUS, TRADING VENUE, ISIN, TRADE REFERENCE, TRADING DATE TIME, PRE TRADE FLAG, and ENTERING COUNTERPART. The first 10 transactions are marked with a red 'F' in the status column, indicating they are failed. The 11th transaction is marked with a green 'S', indicating it is successful.

- **ALL CANCELLED Block :**

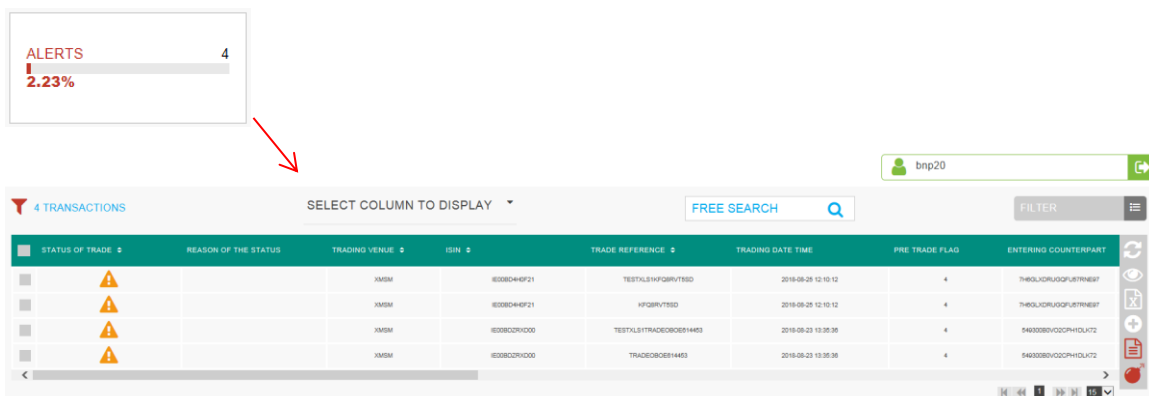
The block “ALL CANCELLED” is clickable and redirect to a pre filtered list of all cancelled transactions.



The screenshot shows the Euronext Saturn interface. At the top left, a box displays 'ALL CANCELLED' with a value of 0 and 0.00%. A red arrow points from this box to the main interface. The main interface shows a table with 22 transactions. The table has columns: STATUS OF TRADE, REASON OF THE STATUS, TRADING VENUE, ISIN, TRADE REFERENCE, TRADING DATE TIME, PRE TRADE FLAG, and ENTERING COUNTERPART. The first 21 transactions are marked with a blue 'C' in the status column, indicating they are cancelled. The 22nd transaction is marked with a green 'S', indicating it is successful.

- **ALERTS Block :**

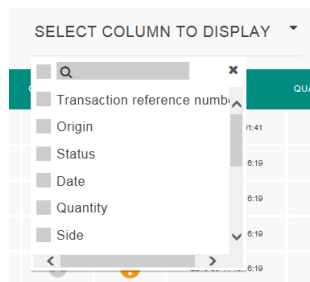
The block “ALERTS” is clickable and redirect to a pre filtered list of all transactions with a warning.



The screenshot shows the Euronext Saturn interface. At the top left, a box displays 'ALERTS' with a value of 4 and 2.23%. A red arrow points from this box to the main interface. The main interface shows a table with 4 transactions. The table has columns: STATUS OF TRADE, REASON OF THE STATUS, TRADING VENUE, ISIN, TRADE REFERENCE, TRADING DATE TIME, PRE TRADE FLAG, and ENTERING COUNTERPART. The first 4 transactions are marked with a yellow triangle in the status column, indicating they have warnings.

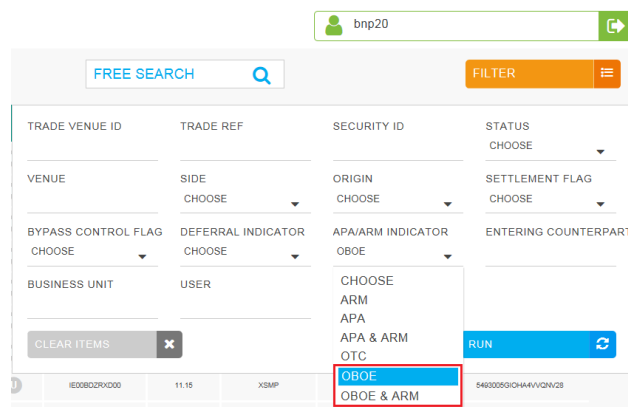
- **Column to display :**

This button can be used to select columns to display



- **FILTER Button :**

To filter the transactions list click the **“FILTER”** button:



A pop-up will appear to filter the list by:

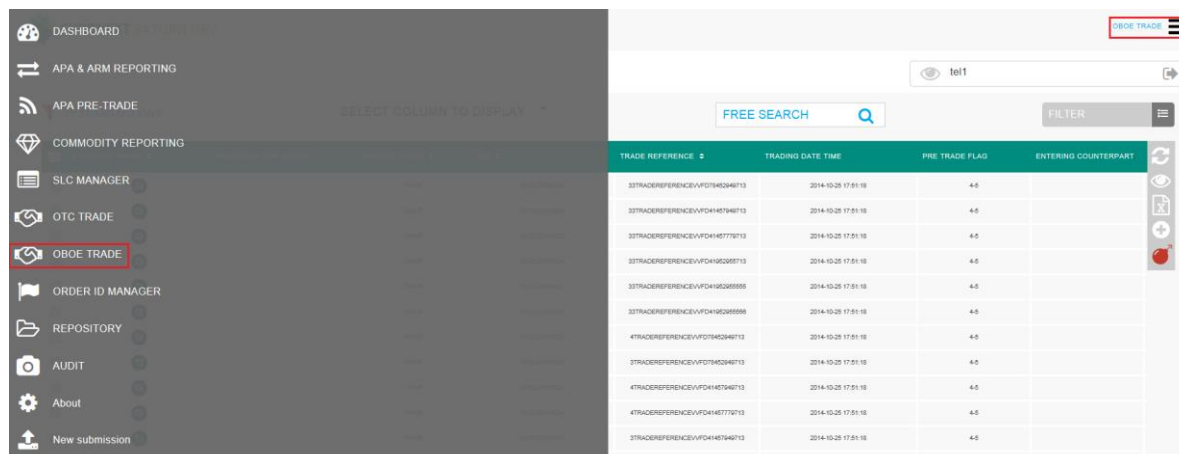
- Trade Venue ID
- Trade Ref
- Security ID
- Status
- Venue
- Side
- Origin
- Settlement Flag
- ByPass Control Flag
- Deferral Indicator
- Entering Counterpart
- Business Unit
- User
- Trading Date Time

Click the **“RUN”** button to submit the filter or the **“CLEAR ITEMS”** button to reset the filter. After clicking on the **“RUN”** button, the filter request is executed.

DASHBOARD

- **Direct Access Dashboard Button :**

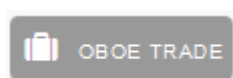
The top right of the Saturn Home page contains the main menu from where a selection of the following services can be made (based on subscription and profile):



The following services are :

- APA & ARM Reporting
- APA PRE-TRADE
- OBOE Trade
- Commodity Reporting
- SLC Manager
- OTC Trade
- Repository
- Audit
- About
- New Submission

- For members with restricted access the services are shown in tabs at the top of the screen:

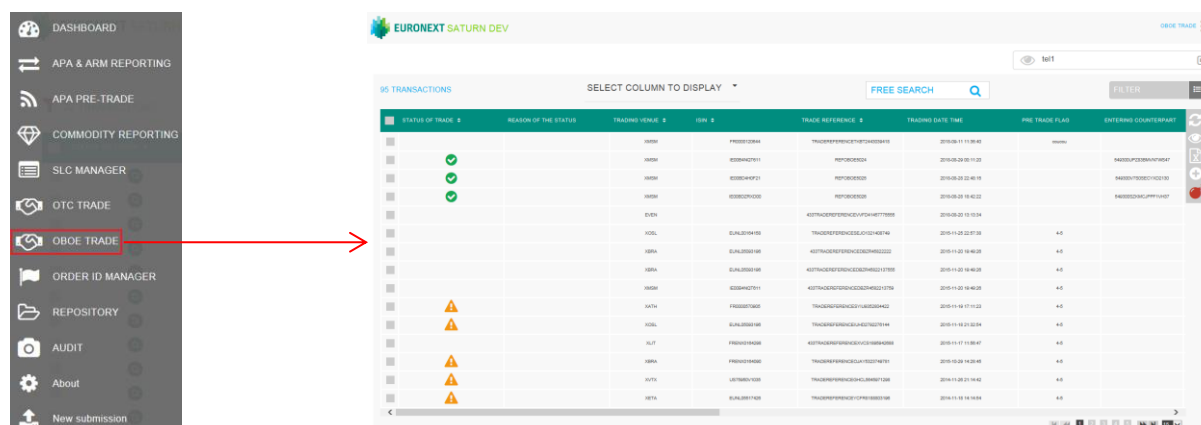


## 7.2 TRANSACTION REPORT CONSULTATION

The Saturn application provides the details of all transactions that have been submitted with their respective status.

From Dashboard, select “OBOE Trade” to view the details of all transactions of OBOE. By clicking on OBOE Trade, the window below display all OBOE Trades with all status (Checked & Ready, Failed, Cancelled and Warning Trades)





The following default information is provided:

COLUMN	ICON /FORMAT	DESCRIPTION
SELECTION	CheckBox	User can select one or multiple transactions: - One line for manual modification - One or multiple lines for single or multiple cancellations
STATUS OF TRADE	Icon	Indicates the current status of the transaction A status description is available on roll-over
REASON OF STATUS	Text	Text for failed or warning reject
ISIN	String	Instrument identifier based on the value of the securityIDSource
TRADE REFERENCE	String	Identification number that is unique to the executing firm for each transaction report
TRADING DATE TIME	UTCTimestamp	Timestamp in microseconds of when the order/transaction request was initiated/released by the trader or trading system, or time of execution/order creation
PRE TRADE FLAG		
ENTERING COUNTERPART	ISO 17442 ISO 10383	Code used to identify the entity executing the transaction
COUNTERPART TYPE	Char	Type of Entering counterpart
PRICE	Decimal	Transaction Price
QUANTITY	Decimal	Total transaction quantity
SIDE	Integer	Transaction side
TX TYPE	text	Transaction Type
TRADE FLAG	String	Indication as to whether the transaction was executed under a pre-trade waiver in accordance with Articles 4 and 9 of Regulation (EU) 600/2014 as it has been on-shored in the UK
CUSTOM TEXT1	String	Free form text manually entered by the client – Custom Field
TRADING VENUE TRANSACTION ID	ISO 10383	Code assigned for a matched trade by the Euronext Trading Engine and which was disseminated to both Buyer and Seller
TRADING CAPACITY 1	Integer	EU and UK MiFID II field that indicates whether the transaction submitted results from trading as matched principal, on own account or as any other capacity
USER	Person/Firm	Member
BYPASS CONTROL FLAG	alphanum	Control indicator of the price and LEI. Indicates whether a trade should bypass the LEI controls or not.
DEFERRAL INDICATOR	Integer	Indicates the subscriber's deferred publication wish
OTC POST TRADE INDICATOR	String	Indicator as to the type of transaction in accordance with Articles 20(3)(a) and 21(5)(a) of Regulation (EU) 600/2014 as it has been on-shored in the UK

The window offers additional information and features:

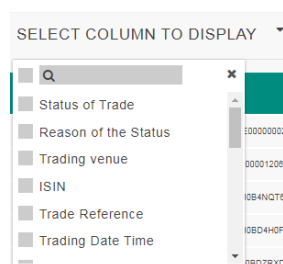
- A “Free Search” field allows the possibility to search information from Free text fields:










- Transactions criteria – access to all transaction filters:

- Choice of the columns to display on the table:



- Additional features are available from the menu on the right of the report:

FUNCTION	DESCRIPTION
	Refresh button
	Display extended view of the report, i.e. all fields of the transaction (including client information)
	Export to Excel. The exported file will contain the list of all transactions with all columns.
	Cancel selected item
	Edit Selected Transaction
	Copy Selected Transaction
	Insert a new transaction
	Generate ESMA Report
	Export TX in Errors

### 7.3 TRANSACTIONS STATUS





Transactions can be submitted to Saturn from Monday to Friday, from 7:00 AM to 10:00 PM CET.

**Please note that for OBOE Trade:**

Euronext trading day from 6:30am to 5:15pm (Irish time). On half trading days (as specified in the Euronext Trading Calendar), the system will close at the earlier time of 1:15 pm (Irish time).



As soon as a transaction is received by Saturn whatever the format (JSON, XML , CSV or FIX), it is processed in real-time by the Saturn Check Module. This module performs all the regulatory consistency checks as required by ESMA. As a result of this validation, a first status is sent back to the user. The transaction is displayed in the user Interface with its appropriate status.

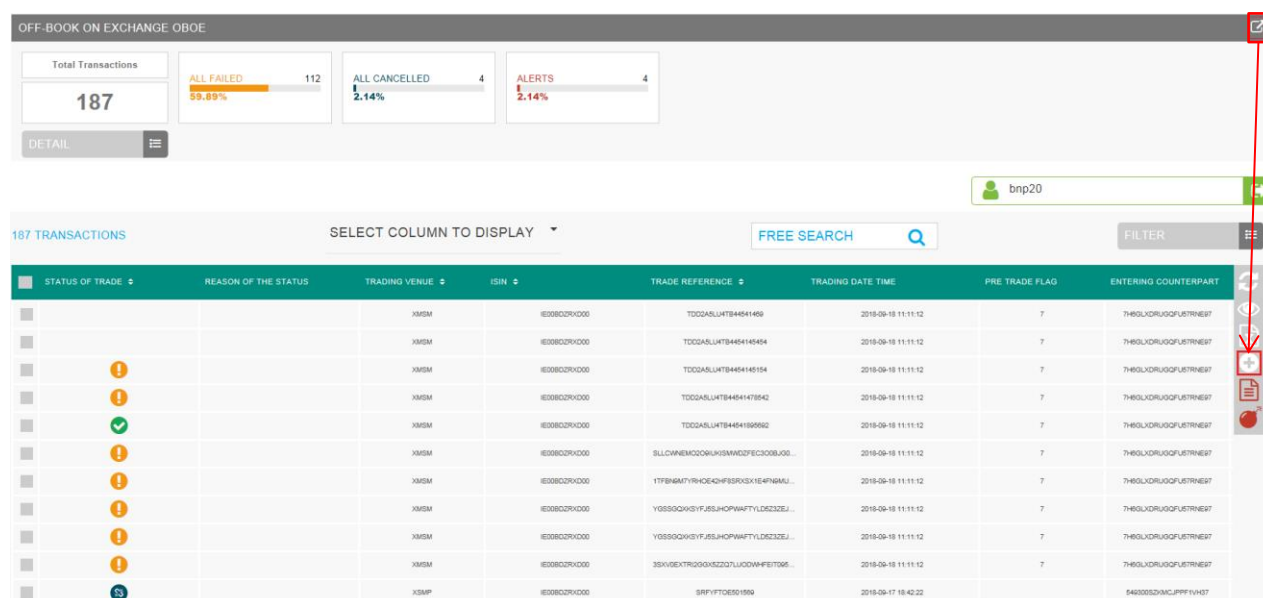
Status referring to this validation can be referred to “*Euronext Status*”.

STATUS		DESCRIPTION
<a href="#">Euronext Status</a>		
Checked & Ready		Compliant Transaction after Client validation - <b>Checked &amp; Ready</b>
Failed		<b>Failed:</b> Transaction contains errors. Failed transactions can be corrected and re-submitted for Euronext validation prior to the cut-off time.  By clicking on the line, users can get access to the list of errors.
Cancelled		<b>Cancelled:</b> transaction cancelled before being sent
Warning		<b>Warning:</b> If the following validation checks fail, the trade is accepted with a “warning” status for further processing and disseminated to the market once the other validations are passed.

## 7.4 INSERT A NEW OBOE TRANSACTION

It is possible to submit a new transaction via the Saturn GUI by entering all its details manually. Users should nevertheless use this option as a back-up due to the number of data that must be entered. To manually submit a transaction, do the following:

By clicking on icon , go directly to new view and click on “Insert Transaction” icon from the contextual menu in the right part of screen 



### 7.4.1 Transaction Type : OBOE

The new transaction overlay is displayed: Choose “OBOE” on APA/ARM Indicator

Populate all fields with expected data and click on the **“INSERT”** button. The new transaction line appears in the transactions status report from OBOE Trade.

## 7.4.2 Transaction Type : OBOE+ARM

The new transaction overlay is displayed: Choose **“OBOE+ARM”** on APA/ARM Indicator

Populate all fields for each panel (Transaction Detail, OBOE Details, Client Detail) with expected data and click on the **“INSERT”** button. The new transaction line appears in the transactions status report from OBOE Trade.

Cancel button is use to cancel and close the popup.

## 7.5 AMENDMENT AN OBOE TRADES


It is possible to manually amend a transaction from the Saturn User Interface especially if it is in **“Failed”**, **“Check & Ready”** or **“Warning”** status for OBOE and OBOE+ARM Transactions.

### 7.5.1 Amendment of OBOE Transaction

To amend a transaction, do the following :

For a “Failed” , “Warning” or “Check & Ready” , it is recommended to point directly to the list of “**ALL FAILED**” or “**ALERTS**” transactions by clicking on the dedicated button from the dashboard page :



Choose the transaction to amend by checking the checkbox  on the left of the screen or by clicking in the transaction’s line :


107 TRANSACTIONS

SELECT COLUMN TO DISPLAY

FREE SEARCH

FILTER

STATUS OF TRADE	REASON OF THE STATUS	TRADING VENUE	ISIN	TRADE REFERENCE	TRADING DATE TIME	PRE TRADE FLAG	ENTERING COUNTERPART
<input type="checkbox"/>		XSNP	IE00B0ZRV000	SRFYFT0E01599	2018-09-17 18:42:22		549300WCGB70D06XZS54
<input type="checkbox"/>		XSNP	IE00B0ZRV000	SRFYFT0E01548	2018-09-17 12:42:22		549300WCGB70D06XZS54
<input checked="" type="checkbox"/>		XMSM	IE00B0ZRV000	TDD2A5LU4TB44255	2018-09-17 12:11:12	7	7H6GLXDRUGQF57RNE97
<input type="checkbox"/>		XMSM	IE00B0ZRV000	TDD2A5LU4TB44255	2018-09-17 12:11:12	7	7H6GLXDRUGQF57RNE97
<input type="checkbox"/>		XSNP	IE00B0ZRV000	SRFYFT0E015146	2018-09-17 08:42:22		549300WCGB70D06XZS54
<input type="checkbox"/>		XSNP	IE00B0ZRV000	SRFYFT0E015146	2018-09-17 08:42:22		549300WCGB70D06XZS54
<input type="checkbox"/>		XMSM	IE00B0ZRV000	TDD2A5LU4TB44255	2018-09-15 01:11:12	7	7H6GLXDRUGQF57RNE97
<input type="checkbox"/>		XMSM	IE00B0ZRV000	TDD2A5LU4TB44255	2018-09-15 01:11:12	7	7H6GLXDRUGQF57RNE97

Click the “edit selected item”  icon on contextual menu on the right of the screen. The following window appears and erroneous fields are highlighted in red.

UPDATE TRADE REF: TDD2A5LU4TB44255

APA/ARM indicator : OBOE

OBOE Details

Executing Firm: 549300WCGB70D06XZS54

Trading date time: 2018-09-17T10:11:12.260000Z

Instrument Id: IE00B0ZRXD00

Venue: XMSM

Side: BUY

Trading Capacity: CHOOSE [1001] missing

Price: 123.456 [8011] price must be reported as a multiple of 0.0001

Quantity: 5000

OTC Post Trade Id: BENC

Waiver Indicator: LIS

Bypass Control Flag: [8025] by pass must be 0 or 1 for oboe trades

Counter Part Type: CHOOSE [1001] missing

Entering Counterpart: 7H6GLXDRUGQF57RNE97

Deferral Indicator: IMMEDIATE PUBLICATION

Publication Datetime: 2018-08-24T10:11:12.260000Z

Euronext Trade Flags: Free Text

CANCEL UPDATE

UPDATE TRADE REF: KFQ8RVT5SD

APA/ARM indicator : OBOE

OBOE Details

Executing Firm: 549300WCGB70D06XZS54

Trading date time: 2018-08-25T10:10:12.260000Z

Instrument Id: IE00B04H0F21

Venue: XMSM

Side: BUY

Trading Capacity: DEAL

Price: 145

Quantity: 23

OTC Post Trade Id: LRGS

Waiver Indicator: PRIC [8019] pric is only used under the requirements set out in article 6 - rts 1

Bypass Control Flag: [8025] by pass must be 0 or 1 for oboe trades

Counter Part Type: CHOOSE

Entering Counterpart: 7H6GLXDRUGQF57RNE97

Deferral Indicator: IMMEDIATE PUBLICATION

Publication Datetime: YYYY-MM-DDThh:mm:ss.dddZ

Euronext Trade Flags: Free Text

CANCEL UPDATE

After correcting the erroneous fields, click on the “**UPDATE**” button and confirmation message appears.


are you sure you want to update Transaction ?


YES NO

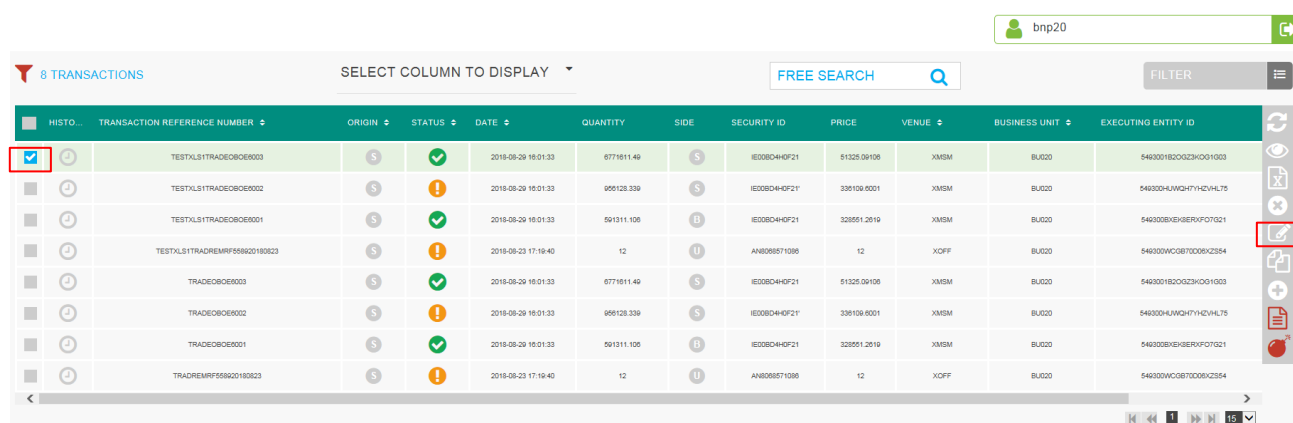
Click “**YES**” to confirm the operation and the transaction will be updated, or “**NO**” to cancel.

## 7.5.2 Amendment of OBOE + ARM Transaction


To amend a transaction, do the following :

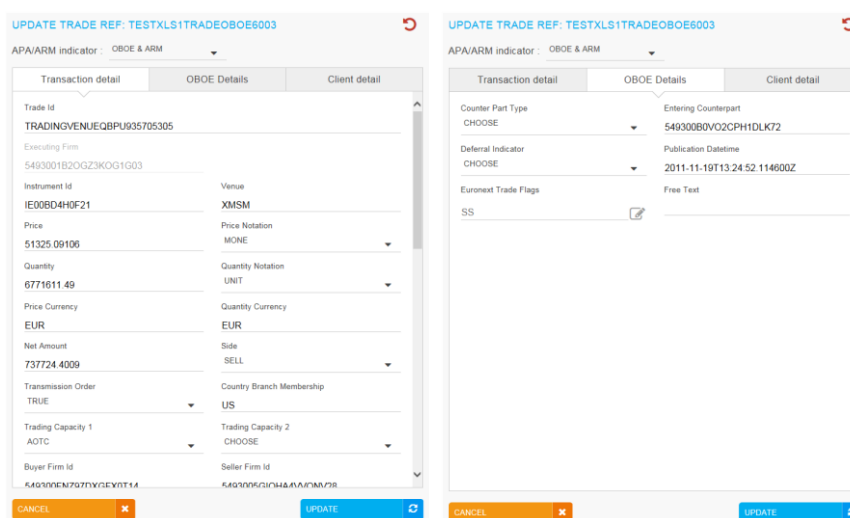
For a “Failed” , “Warning” or “Check & Ready” , it is recommended to click on the icon  on the section “APA & ARM Reporting” from the dashboard page to list all transactions.

Choose the transaction to amend by checking the checkbox  on the left of the screen or by clicking in the transaction’s line :



HISTO	TRANSACTION REFERENCE NUMBER	ORIGIN	STATUS	DATE	QUANTITY	SIDE	SECURITY ID	PRICE	VENUE	BUSINESS UNIT	EXECUTING ENTITY ID
<input checked="" type="checkbox"/>	TESTXLS1TRADEOBOE6003	S	✓	2019-08-29 16:01:33	6771611.49	S	IE00B04H0F21	51325.09106	XMSM	BU020	5463001820GZ3KOG1003
<input type="checkbox"/>	TESTXLS1TRADEOBOE6002	S	!	2019-08-29 16:01:33	666128.339	S	IE00B04H0F21	338106.6001	XMSM	BU020	5463004JWGHY1KZV4L75
<input type="checkbox"/>	TESTXLS1TRADEOBOE6001	S	✓	2019-08-29 16:01:33	591311.108	B	IE00B04H0F21	328551.2619	XMSM	BU020	5463002BVEBERXFO7021
<input type="checkbox"/>	TESTXLS1TRADEMPF55802180823	S	!	2019-08-23 17:19:40	12	U	AN808651086	12	XOFF	BU020	5463003WC87D06K2354
<input type="checkbox"/>	TRADEOBOE6003	S	✓	2019-08-29 16:01:33	6771611.49	S	IE00B04H0F21	51325.09106	XMSM	BU020	5463001820GZ3KOG1003
<input type="checkbox"/>	TRADEOBOE6002	S	!	2019-08-29 16:01:33	666128.339	S	IE00B04H0F21	338106.6001	XMSM	BU020	5463004JWGHY1KZV4L75
<input type="checkbox"/>	TRADEOBOE6001	S	✓	2019-08-29 16:01:33	591311.108	B	IE00B04H0F21	328551.2619	XMSM	BU020	5463002BVEBERXFO7021
<input type="checkbox"/>	TRADEMPF55802180823	S	!	2019-08-23 17:19:40	12	U	AN808651086	12	XOFF	BU020	5463003WC87D06K2354

Click the “edit selected item”  icon on contextual menu on the right of the screen. The following window appears and erroneous fields are highlighted in red.



UPDATE TRADE REF: TESTXLS1TRADEOBOE6003

Transaction detail

Trade Id

TRADINGVENUEQBPU935705305

Executing Firm

5493001820GZ3KOG1003

Instrument Id

IE00B04H0F21

Price

51325.09106

Quantity

6771611.49

Price Currency

EUR

Net Amount

737724.4009

Transmission Order

TRUE

Trading Capacity 1

AOTC

Buyer Firm Id

5493001820GZ3KOG1003

OBOE Details

Venue

XMSM

Price Notation

MONE

Quantity Notation

UNIT

Quantity Currency

EUR

Side

SELL

Country Branch Membership

US

Trading Capacity 2

CHOOSE

Seller Firm Id

5493001820GZ3KOG1003

Client detail

Counter Part Type

CHOOSE

Entering Counterpart

54930080V02CPH1DLK72

Deferral Indicator

CHOOSE

Publication Datetime

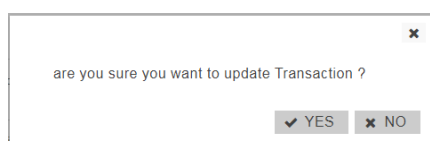
2011-11-19T13:24:52.114600Z

Euronext Trade Flags

Free Test

SS

After correcting the erroneous fields, click on the “**UPDATE**” button and confirmation message appears.




are you sure you want to update Transaction ?

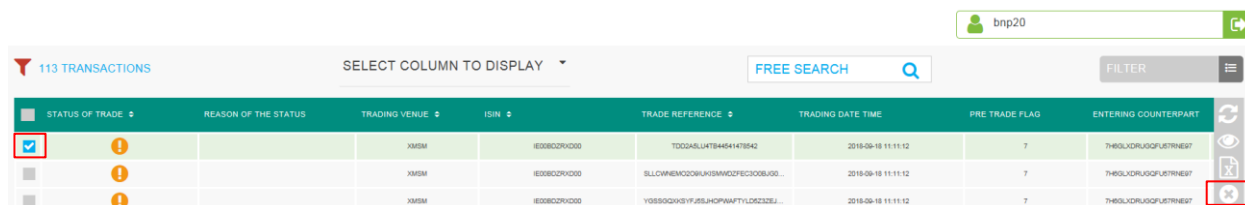
YES
NO

Click “**YES**” to confirm the operation and the transaction will be updated, or “**NO**” to cancel.


## 7.6 CANCELLATION OF OBOE OR OBOE+ARM TRADES

Users with the appropriate rights can cancel transactions. Transactions that can be cancelled are transactions with status : Check & Ready, Failed or Warning trades.

To process a cancellation, from the Transaction details screen, select the transaction line to be cancel by checking the checkbox on the left of the screen. 

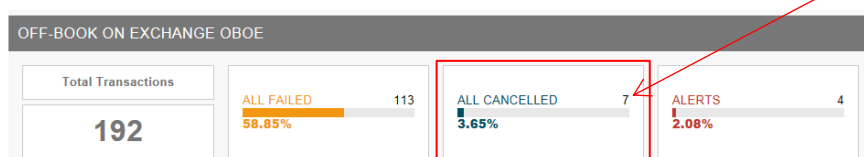





STATUS OF TRADE	REASON OF THE STATUS	TRADING VENUE	ISIN	TRADE REFERENCE	TRADING DATE TIME	PRE TRADE FLAG	ENTERING COUNTERPART
<input checked="" type="checkbox"/>	!	XISM	IE00B2R1X000	T002ASL4T84454147842	2018-09-18 11:11:12	7	THBOLXDRUGQFUTRNE97
<input type="checkbox"/>	!	XISM	IE00B2R1X000	SLL0WNEK0208U8VMD2FC008U00...	2018-09-18 11:11:12	7	THBOLXDRUGQFUTRNE97
<input type="checkbox"/>	!	XISM	IE00B2R1X000	Y0S8GQKX3VFJ5LHQPWATYLD2323E...	2018-09-18 11:11:12	7	THBOLXDRUGQFUTRNE97

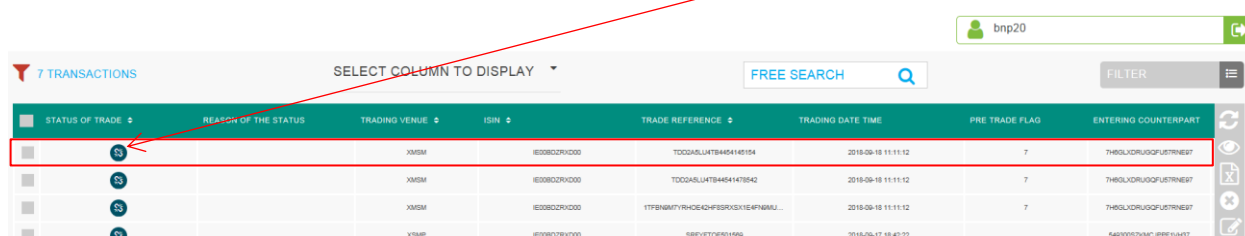
Click on the cancel icon  from the contextual menu in the right part of screen. A confirmation message will appear :

are you sure you want to cancel items ?

Once transaction cancelled. The total number of cancellation transactions increases on Dashboard.



The status of trade cancelled changed from  or  or  to 



STATUS OF TRADE	REASON OF THE STATUS	TRADING VENUE	ISIN	TRADE REFERENCE	TRADING DATE TIME	PRE TRADE FLAG	ENTERING COUNTERPART
		XISM	IE00B2R1X000	T002ASL4T84454147842	2018-09-18 11:11:12	7	THBOLXDRUGQFUTRNE97
		XISM	IE00B2R1X000	T002ASL4T84454147842	2018-09-18 11:11:12	7	THBOLXDRUGQFUTRNE97
		XISM	IE00B2R1X000	1TFBNMTYRHOE42F83RX31E4F6M0U...	2018-09-18 11:11:12	7	THBOLXDRUGQFUTRNE97
		XBNP	IE00B2R1X000	SAPFPT08301986	2018-09-17 18:42:22		54830052MCLPFFV4H07

## 8. APPROVED PUBLICATION ARRANGEMENT PRE-TRADES – QUOTES

### 8.1 QUOTE REPORT CONSULTATION

The Saturn application provides the details of private quotes that have been submitted by a Systematic Internaliser (SIs). Private quotes are displayed for private users. The definition of private users *will be defined in a future version*:



COLUMN	SOURCE	DESCRIPTION
BID USER	Saturn field	Name of user that submitted the BID
BID DATE TIME	Saturn field	Bid Time
BID SIZE	Saturn field	Bid Number of units of the financial instrument. The nominal or monetary value of the financial instrument.
BID	Saturn field	Bid Price
ASK	Saturn field	Ask Price
ASK SIZE	Saturn field	Ask Number of units of the financial instrument. The nominal or monetary value of the financial instrument.
ASK DATE TIME	Saturn field	Ask Time
ASK USER	Saturn field	Name of user that submitted the ASK

### 8.2 APA PRE TRADE CRITERIA

On the Status report page, define declarations and trades to view by typing or selecting values for these search criteria:

- ASK Quantity From – to
- ASK Price From – to
- SECURITY ID
- MIC
- BID Quantity From – to
- BID Price From – to
- BID USER
- ASK USER

Click on the “**RUN**” button to apply selected filters.

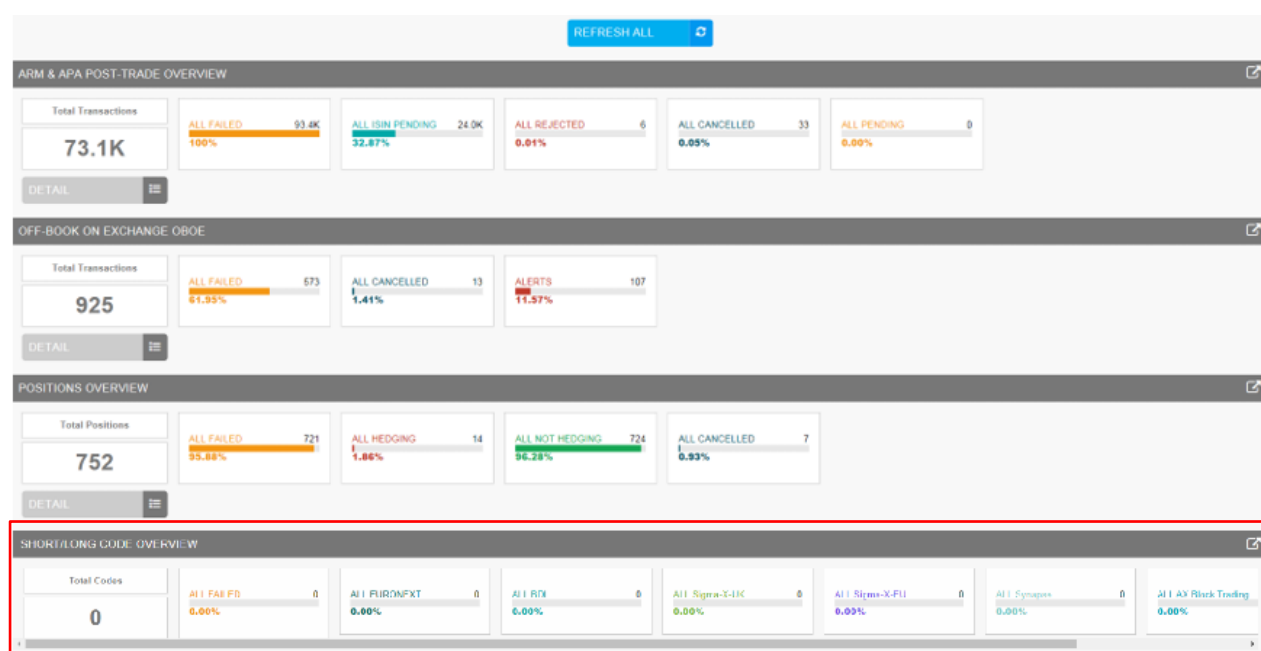


## 9. SHORT-LONG CODES MANAGEMENT SERVICES

### 9.1 DASHBOARD

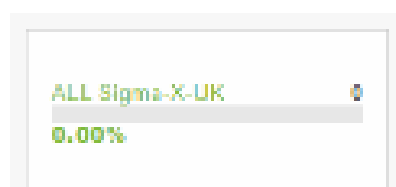
After connecting to Saturn application, the Dashboard page appears. This page gives a global view of all services to which the user is entitled.

The dashboard displays information about the total number of the SLC uploaded by a user, number of all failed SLC and the number of SLC by market type (Euronext, Luxembourg, Sigma-X UK, Sigma-X EU, Synapse, AX).



The blocks “ALL FAILED”, “ALL EURONEXT”, “ALL BDL”, “ALL Sigma-X UK”, “ALL Sigma-X EU”, “ALL Synapse” and “ALL AX Block Trading” are clickable and redirect to a pre filtered list of SLC.

If, for example, the block “ALL Sigma-X UK” is selected, a list of all SLC with “ALL Sigma-X UK” as market type is shown.



15087 CODES

SELECT COLUMN TO DISPLAY

SHORT CODE	LONG CODE	DATE	STATUS	CODE TYPE	MARKET TYPE	EFFECTIVE DATE	END DATE	USER
10	LONG00000001	2017-11-08 10:01	✓	Execution Order Price as a National ID	Eurocent	2018-10-08	2020-09-18	
12	LONG00000004	2017-11-08 10:01	✓	Investment Decision Order Price as a National ID	Eurocent	2018-10-08	2020-09-18	
14	LONG00000007	2017-11-08 10:01	✓	Investment Decision Order Price as a National ID	Eurocent	2018-10-08	2020-09-18	
40000	LONG00000000	2017-11-08 10:01	✓	Execution Order Price as a National ID as a PHLX	Eurocent	2017-11-08		
40000	LONG00000002	2017-11-08 10:01	✓	Execution Order Price as a National ID as a PHLX	Eurocent	2017-11-08		
40000	LONG00000003	2017-11-08 10:01	✓	Execution Order Price as a National ID as a PHLX	Eurocent	2017-11-08		
40000	LONG00000005	2017-11-08 10:01	✓	Execution Order Price as a National ID as a PHLX	Eurocent	2017-11-08		
40000	LONG00000006	2017-11-08 10:01	✓	Execution Order Price as a National ID as a PHLX	Eurocent	2017-11-08		
40000	LONG00000008	2017-11-08 10:01	✓	Execution Order Price as a National ID as a PHLX	Eurocent	2017-11-08		
40000	LONG00000009	2017-11-08 10:01	✓	Execution Order Price as a National ID as a PHLX	Eurocent	2017-11-08		
40000	LONG00000010	2017-11-08 10:01	✓	Execution Order Price as a National ID as a PHLX	Eurocent	2017-11-08		
40000	LONG00000011	2017-11-08 10:01	✓	Execution Order Price as a National ID as a PHLX	Eurocent	2017-11-08		
40000	LONG00000012	2017-11-08 10:01	✓	Execution Order Price as a National ID as a PHLX	Eurocent	2017-11-08		
40000	LONG00000013	2017-11-08 10:01	✓	Execution Order Price as a National ID as a PHLX	Eurocent	2017-11-08		
40000	LONG00000014	2017-11-08 10:01	✓	Execution Order Price as a National ID as a PHLX	Eurocent	2017-11-08		
40000	LONG00000015	2017-11-08 10:01	✓	Execution Order Price as a National ID as a PHLX	Eurocent	2017-11-08		
40000	LONG00000016	2017-11-08 10:01	✓	Execution Order Price as a National ID as a PHLX	Eurocent	2017-11-08		
40000	LONG00000017	2017-11-08 10:01	✓	Execution Order Price as a National ID as a PHLX	Eurocent	2017-11-08		
40000	LONG00000018	2017-11-08 10:01	✓	Execution Order Price as a National ID as a PHLX	Eurocent	2017-11-08		
40000	LONG00000019	2017-11-08 10:01	✓	Execution Order Price as a National ID as a PHLX	Eurocent	2017-11-08		
40000	LONG00000020	2017-11-08 10:01	✓	Execution Order Price as a National ID as a PHLX	Eurocent	2017-11-08		

DETAIL

On the dashboard page, the “DETAIL” Button:

will show the total amount of SLC by Status, date, user and market type.

SHORT/LONG CODE OVERVIEW

Total Codes: 10.1K

ALL FAILED: 0.00%

ALL EUROCENT: 0.00%

ALL SCL: 0.00%

ALL Sigma-X-UK: 0.00%

ALL Sigma-X-EU: 0.00%

ALL Success: 0.00%

ALL AX Elect Trading: 0.00%

DETAIL

17 ITEMS

STATUS	TOTAL	DATE	MARKET TYPE	USER	PARTICIPANT ID	PARTICIPANT COMMERCIAL NAME
✓	10000	2017-10-10	Eurocent	imp11	00000079	
✓	20	2017-10-27	Sigma-X	imp20	00000079	
✓	10	2017-10-27	Eurocent	imp20	00000079	
✓	0	2017-10-27	Luxembourg	imp20	00000079	
✓	0	2017-10-28	Eurocent	imp20	00000079	

FILTER

You can filter this list by clicking on the button “FILTER”:

SHORT/LONG CODE OVERVIEW

Total Codes: 10.1K

ALL FAILED: 0.00%

ALL EUROCENT: 0.00%

ALL SCL: 0.00%

ALL Sigma-X-UK: 0.00%

ALL Sigma-X-EU: 0.00%

ALL Success: 0.00%

ALL AX Elect Trading: 0.00%

DETAIL

17 ITEMS

STATUS	TOTAL	DATE	MARKET TYPE	USER	PARTICIPANT ID	PARTICIPANT COMMERCIAL NAME
✓	10000	2017-10-10	Eurocent	imp11	00000079	
✓	20	2017-10-27	Sigma-X	imp20	00000079	
✓	10	2017-10-27	Eurocent	imp20	00000079	
✓	0	2017-10-27	Luxembourg	imp20	00000079	
✓	0	2017-10-28	Eurocent	imp20	00000079	

Filter pop-up options:

- DATE: From, To
- STATUS: CHOOSE
- MARKET TYPE: CHOOSE
- USER: From, To
- PARTICIPANT ID: From, To
- MARKET TYPE: CHOOSE

A pop-up will appear to filter the list by:

- Date
- Total
- User
- Participant ID

- Status
- Market Name
- Participant Name

Click the **“RUN”** button to submit the filter or the **“CLEAR ITEMS”** button to reset the filter.

After clicking the **“RUN”** button, the filtered list will appear:

STATUS	TOTAL	DATE	MARKET TYPE	USER	PARTICIPANT ID	PARTICIPANT COMMERCIAL NAME
✓	26	2017-03-27	Sigma-X	imp01	0000079	
✓	1	2017-03-28	Sigma-X	imp02	0000079	


## 9.2 SLC CONSULTATION

The Saturn application provides the details of all SLC that have been submitted with their respective status:

SHORT CODE	LONG CODE	DATE	STATUS	CODE TYPE	MARKET TYPE	EFFECTIVE DATE	END DATE	USER
10	L2H40C0000P	2017-03-28 09:00:01	✓	Execution Order First as a National ID	Eurocom	2018-03-28	2024-03-28	imp01
11	L2H40C0000P	2017-03-28 09:00:01	✓	Investment Decision Order First as a National ID	Eurocom	2018-03-28	2024-03-28	imp01
12	L2H40C0000P	2017-03-28 09:00:01	✓	Investment Decision Order First as a National ID	Eurocom	2018-03-28	2024-03-28	imp01
13	L2H40C0000P	2017-03-28 09:00:01	✓	Client Identification as a National ID or PFI	Eurocom	2017-03-27	2024-03-27	imp01
14	L2H40C0000P	2017-03-28 09:00:01	✓	Client Identification as a National ID or PFI	Eurocom	2017-03-27	2024-03-27	imp01
15	L2H40C0000P	2017-03-28 09:00:01	✓	Execution Order First as a National ID	Sigma-X	2018-03-28	2024-03-28	imp01
16	L2H40C0000P	2017-03-28 09:00:01	✓	Execution Order First as a National ID	Sigma-X	2018-03-28	2024-03-28	imp01
17	L2H40C0000P	2017-03-28 09:00:01	✓	Execution Order First as a National ID	Sigma-X	2018-03-28	2024-03-28	imp01
18	L2H40C0000P	2017-03-28 09:00:01	✓	Execution Order First as a National ID	Sigma-X	2018-03-28	2024-03-28	imp01
19	L2H40C0000P	2017-03-28 09:00:01	✓	Execution Order First as a National ID	Sigma-X	2018-03-28	2024-03-28	imp01
20	L2H40C0000P	2017-03-28 09:00:01	✓	Execution Order First as a National ID	Sigma-X	2018-03-28	2024-03-28	imp01
21	L2H40C0000P	2017-03-28 09:00:01	✓	Execution Order First as a National ID	Sigma-X	2018-03-28	2024-03-28	imp01
22	L2H40C0000P	2017-03-28 09:00:01	✓	Execution Order First as a National ID	Sigma-X	2018-03-28	2024-03-28	imp01
23	L2H40C0000P	2017-03-28 09:00:01	✓	Execution Order First as a National ID	Sigma-X	2018-03-28	2024-03-28	imp01
24	L2H40C0000P	2017-03-28 09:00:01	✓	Execution Order First as a National ID	Sigma-X	2018-03-28	2024-03-28	imp01
25	L2H40C0000P	2017-03-28 09:00:01	✓	Execution Order First as a National ID	Sigma-X	2018-03-28	2024-03-28	imp01
26	L2H40C0000P	2017-03-28 09:00:01	✓	Execution Order First as a National ID	Sigma-X	2018-03-28	2024-03-28	imp01
27	L2H40C0000P	2017-03-28 09:00:01	✓	Execution Order First as a National ID	Sigma-X	2018-03-28	2024-03-28	imp01
28	L2H40C0000P	2017-03-28 09:00:01	✓	Execution Order First as a National ID	Sigma-X	2018-03-28	2024-03-28	imp01
29	L2H40C0000P	2017-03-28 09:00:01	✓	Execution Order First as a National ID	Sigma-X	2018-03-28	2024-03-28	imp01
30	L2H40C0000P	2017-03-28 09:00:01	✓	Execution Order First as a National ID	Sigma-X	2018-03-28	2024-03-28	imp01

The following default information is provided:

COLUMN	ICON /FORMAT	SOURCE	DESCRIPTION
SELECTION		Saturn field	User can select one or multiple SLC: <ul style="list-style-type: none"> <li>- One line for manual modification</li> <li>- One or multiple lines for single or multiple cancellations</li> </ul>
SHORT CODE	AlphNum	Saturn field	Short code that is used by the Participant in order entry
LONG CODE	AlphNum	Saturn field	Long code that will be populated for the purposes of EU and UK MIFID II Order Record Keeping (RTS 24).
DATE	YYYY-MM-DD HH:MM:SS	Saturn field	Date/Time of last update of the SLC
STATUS		Saturn field	Indicates the current status of the SLC A status description is available on roll-over

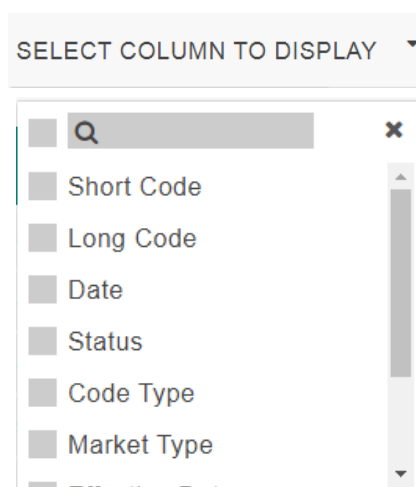
COLUMN	ICON /FORMAT	SOURCE	DESCRIPTION
			 Checked & Ready
MARKET TYPE	Multi-choice	Saturn field	The market data
EFFECTIVE DATE	YYYY-MM-DD HH:MM:SS	Saturn field	Date as of which the short and long code mapping is effective.
END DATE	YYYY-MM-DD HH:MM:SS	Saturn field	When filled, indicates when the registration for the short and long code mapping is no longer effective End date must be greater than the effective date.
USER		Saturn field	User that inserted the SLC

The window offers additional information and features:




- SLC criteria – access to all SLC filters:






- Choice of the columns to display in the table:



- Additional features are available from the menu on the right of the report:



FUNCTION	DESCRIPTION
	Refresh button
	Export to Excel. The exported file will contain the list of all SLC with all columns.
	Cancel selected SLC

	Edit selected SLC
	Insert a new SLC via Copy
	Insert a new SLC

### 9.3 SLC POSSIBLE STATUSES

SLC can be submitted to Saturn from Monday to Friday, from 7:00 AM to 10:00 PM CET.

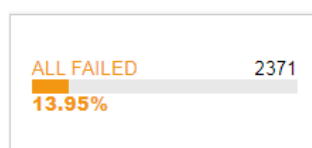
As soon as an SLC is received by Saturn whatever the format (JSON, XML or CSV), it is processed in real-time by the Saturn Check Module. As a result of this validation, a status is sent back to the user. The SLC is displayed in the User Interface with its appropriate status.

STATUS		DESCRIPTION
<b>Euronext <u>Statuses</u></b>		
Checked & Ready		Compliant SLC
Failed		<p><b>Failed:</b> SLC contains errors. Failed SLC can be corrected and re-submitted for Euronext validation.</p> <p>By clicking on the line, users can get access to the list of errors.</p>

### 9.4 AMENDING A FAILED SLC

It is possible to manually amend an SLC from the Saturn User Interface especially if it is in 'Failed'. To edit and amend an SLC, do the following:


- For a "Failed" transaction, it is recommended to point directly to the list of "**ALL FAILED**" SLC by clicking on the dedicated button from the dashboard page:



- Otherwise, from the detailed SLC report view based on user's criteria.

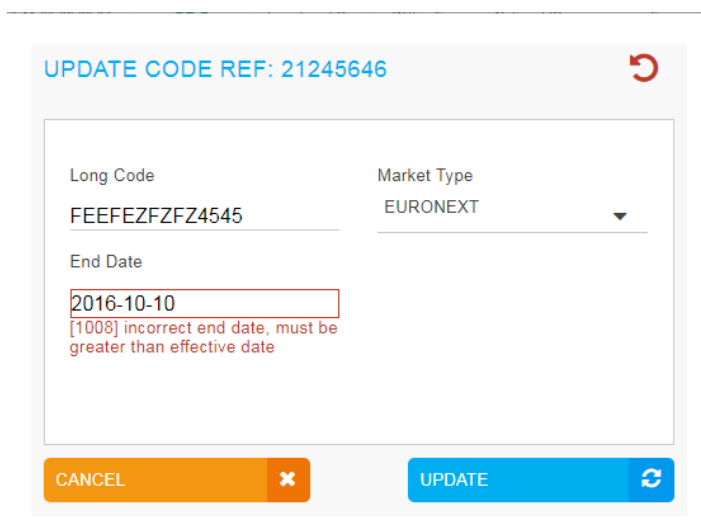
- 1- Select the SLC to amend. Please note that manual SLC amendment in the Saturn application can only be done for one SLC at once. Mass corrections can only be done via the Web Service:

*In case multiple lines are selected, the amend button will disappear.*

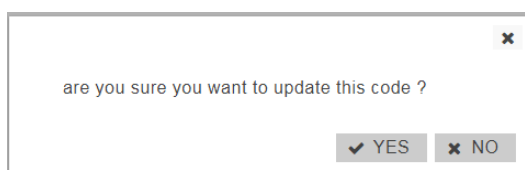
- 2- Choose the SLC to amend by checking the checkbox  on the left of the screen or by clicking in the SLC's line.

Click the “edit selected item”  icon on contextual menu on the right of the screen.

The following window appears and erroneous fields are highlighted in red:



6. After correcting the erroneous fields, click on the “**UPDATE**” button. A confirmation message appears.
7. Click “**YES**” to confirm the operation or “**NO**” to cancel:



Modified data is inserted in the SLC line.

## 9.5 CANCELLING A SLC


Users with the appropriate rights can cancel SLC, 1 to N SLC can be cancelled in the pane.

To cancel an SLC:

8. From the Transaction details screen, choose the lines to cancel.



Choose the SLC to cancel by checking the checkbox on the left of the screen.

9.  Click the “cancel” icon from the contextual menu in the right part of screen.

10. A confirmation message appears:

✕

are you sure you want to cancel items ?

✓ YES
✕ NO

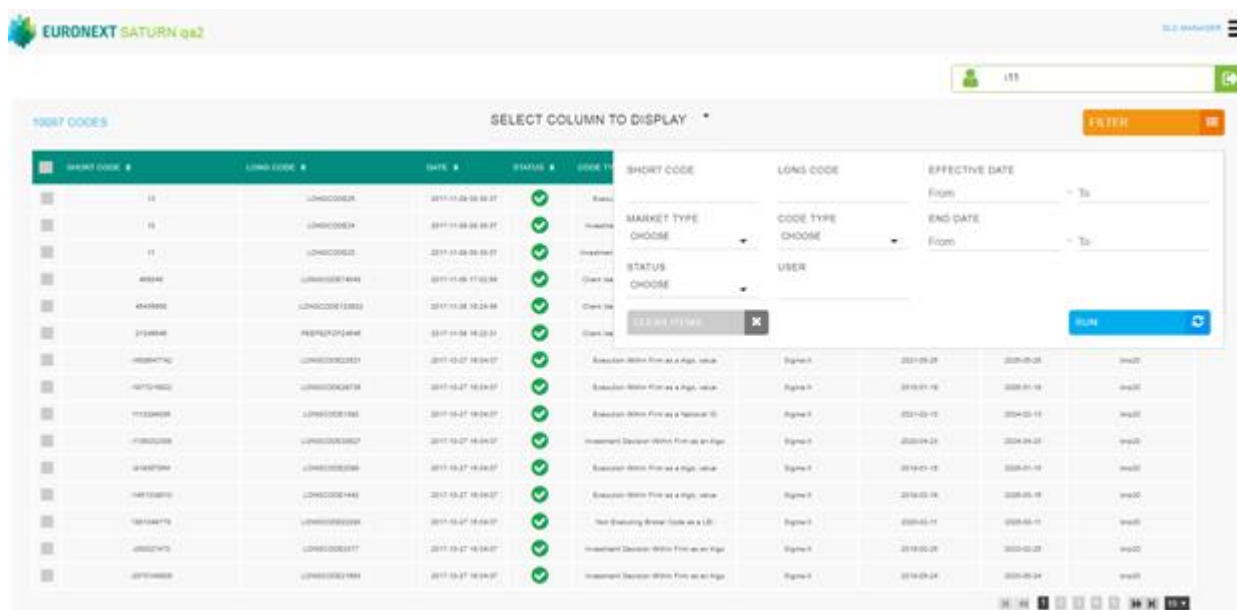
Click “YES” to confirm the cancellation of the selected SLC.

## 9.6 SLC CRITERIA

On the Status report page, define declarations and trades to view by typing or selecting values for these search criteria:

- SHORT CODE
- LONG CODE
- MARKET TYPE
- STATUS
- CODE TYPE
- USER
- EFFECTIVE DATE
- END DATE

Click on the “RUN” button to apply selected filters:



The screenshot shows the Euronext Saturn q&2 interface. At the top, there's a header with the Euronext logo and 'SATURN q&2'. Below the header, there's a table with columns: SHORT CODE, LONG CODE, DATE, STATUS, and CODE TYPE. The table contains several rows of data. To the right of the table, there's a filter panel with the title 'SELECT COLUMN TO DISPLAY'. The filter panel has a 'FILTER' button at the top right. Below the filter panel, there's a 'RUN' button. The filter panel also includes a 'CLEAR ITEMS' button and a 'X' icon.

## 9.7 INSERT A NEW SLC FROM THE SATURN WEB APPLICATION

It is possible to submit a new SLC via the Saturn GUI by entering all its details manually. Users should nevertheless use this option as a back-up due to the number of data that must be entered. To manually submit a SLC, do the following:

Click on “Insert Code” icon from the contextual menu in the right part of screen.



The new SLC overlay is displayed:

The screenshot shows a modal window titled "INSERT NEW CODE" with a red close button in the top right corner. The form contains the following fields:

- Short Code**: A text input field.
- Long Code**: A text input field.
- Code Type**: A dropdown menu currently showing "CHOOSE".
- Market Type**: A dropdown menu currently showing "CHOOSE".
- Effective Date**: A text input field with a date mask "YYYY-MM-DD".
- End Date**: A text input field with a date mask "YYYY-MM-DD".

At the bottom of the form, there are two buttons: an orange "CANCEL" button with a red 'x' icon, and a blue "INSERT" button with a white plus icon.

Populate all fields with expected data and click on the “**INSERT**” button. The new SLC line will appear in the SLC status report.

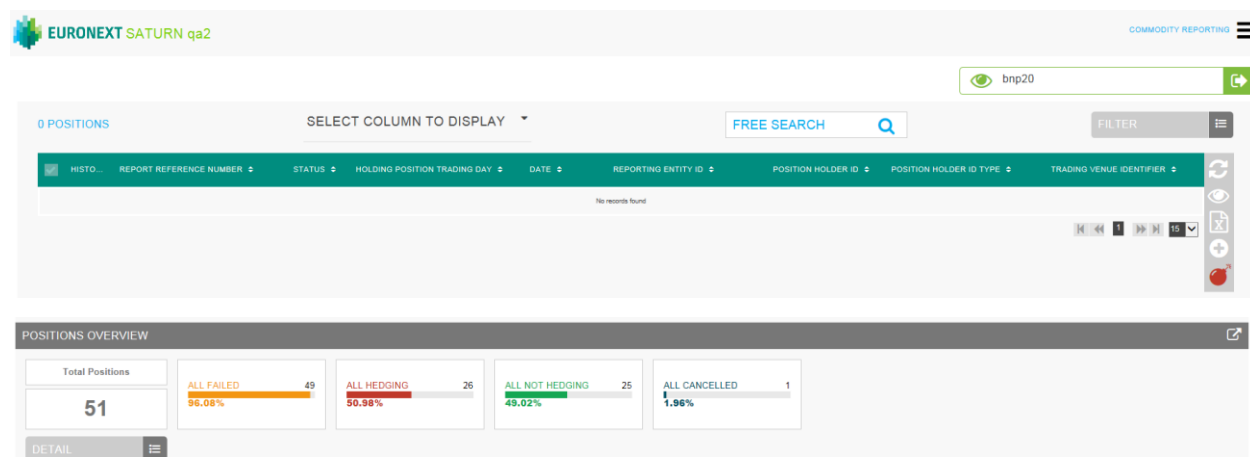


## 10. COMMODITY REPORTING SERVICES

### 10.1 DASHBOARD

After connecting to the Saturn application, the Dashboard page appears. This page gives an overview of services to which the user is entitled.

The dashboard displays information about the total number of the positions uploaded by a user, the number of all failed positions, ALL hedging (Risk reducing indicator at True) ALL not hedging (Risk reducing indicator at False) and ALL Cancelled.



The blocks “ALL FAILED”, “ALL HEDGING”, “ALL NOT HEDGING”, “ALL CANCELLED”, are clickable and redirect to a pre filtered list of positions.

If for example the block “ALL HEDGING” is selected, a list of all positions with “ALL HEDGING” as market type is shown.

**ALL HEDGING 26**  
**50.98%**

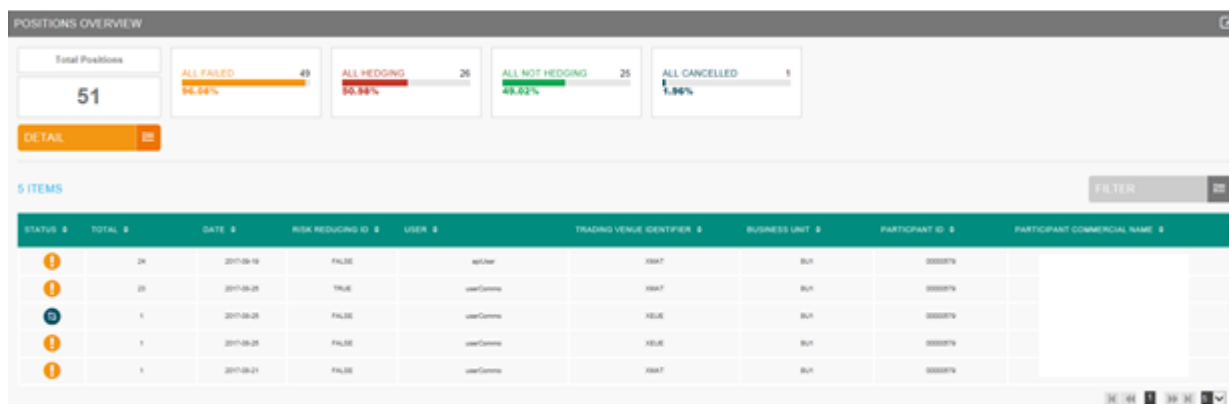
BUSINESS UNIT	POSITION TYPE	POSITION MATURITY	LONG POSITION QUANTITY	DELTA EQUIVALENT LONG POSITION	SHORT POSITION QUANTITY	DELTA EQUIVALENT SHORT POSITION	RISK REDUCING INDICATOR
BU1	OTC equivalent	All other months	26293	52103	262972	76800	TRUE
BU1	Futures	Spot month	65044	159967	69670	88317	TRUE
BU1	Futures	Spot month	744145	10305	131144	513103	TRUE
BU1	OTC equivalent	All other months	455945	345954	652315	655577	TRUE
BU1	Futures	Spot month	527190	577349	457123	46835	TRUE
BU1	Options	Spot month	436235	834545	347139	51025	TRUE
BU1	OTC equivalent	All other months	413353	89550	679503	625970	TRUE
BU1	Futures	All other months	905249	211758	97899	220507	TRUE
BU1	OTC equivalent	All other months	54417	551501	379553	53553	TRUE
BU1	OTC equivalent	All other months	714150	435409	421951	175405	TRUE
BU1	Options	All other months	307749	551540	722225	955477	TRUE
BU1	Options	Spot month	247529	554324	172325	543545	TRUE
BU1	OTC equivalent	Spot month	775743	735411	185542	72552	TRUE
BU1	OTC equivalent	All other months	120555	354452	380220	950559	TRUE
BU1	Options	Spot month	574232	155751	375502	455159	TRUE

DETAIL



On the dashboard page, the **“DETAIL”** Button:

will show the total amount of positions by Status, Date, User and Market Type.



FILTER



You can filter this list by clicking on the button **“FILTER”**:

**POSITIONS OVERVIEW**

Total Positions: 51

ALL FAILED: 49 (96.08%)

ALL HEDGING: 26 (50.98%)

ALL NOT HEDGING: 25 (49.02%)

ALL CANCELLED: 1 (1.96%)

DETAIL

5 ITEMS

**FILTER**

STATUS	TOTAL	DATE	RISK REDUCING ID	USER	TRADING VENUE IDENTIFIER	DATE	STATUS	BUSINESS UNIT
!	24	2017-09-19	FALSE	aplUser	XBAT	From	CHOOSE	
!	23	2017-09-25	TRUE	userComme	XBAT	To		
!	1	2017-09-25	FALSE	userComme	XEL	From		
!	1	2017-09-25	FALSE	userComme	XEL	To		
!	1	2017-09-21	FALSE	userComme	XBAT	From		
!	1	2017-09-21	FALSE	userComme	XBAT	To		

CLEAR ITEMS

RUN

A pop-up will appear to filter the list by:

- Date
- Total
- User
- Participant ID
- Status
- Venue
- Risk reducing ID
- Business Unit
- Participant Name

Click the **“RUN”** button to submit the filter or the **“CLEAR ITEMS”** button to reset the filter.

After clicking the **“RUN”** button, the filtered list will appear:

**POSITIONS OVERVIEW**

Total Positions: 1

ALL FAILED: 0 (0.00%)

ALL HEDGING: 0 (0.00%)

ALL NOT HEDGING: 0 (0.00%)

ALL CANCELLED: 1 (100.00%)

DETAIL

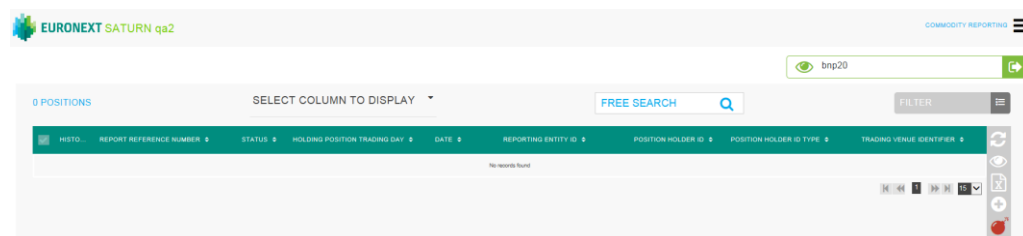
1 ITEMS

STATUS	TOTAL	DATE	RISK REDUCING ID	USER	TRADING VENUE IDENTIFIER	BUSINESS UNIT	PARTICIPANT ID	PARTICIPANT COMMERCIAL NAME
!	1	2017-09-25	TRUE	userComme	XBAT	BUY	0000079	

## 10.2 COMMODITY REPORT CONSULTATION

The Saturn application provides the details of all commodity positions that have been submitted with their respective status.

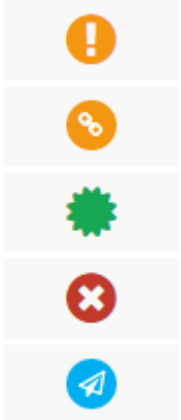
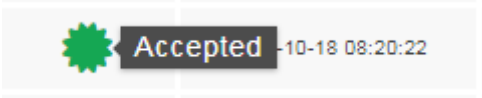
Click on COMMODITY REPORTING:



The list of commodity positions are displayed as follows:





REPORT REFERENCE NUMBER	STATUS	HOLDING POSITION TRADING DAY	DATE	REPORTING ENTITY ID	POSITION HOLDER ID	TRADING VENUE IDENTIFIER
QATCOMMO03	!	2017-01-10	2017-11-13 14:35:02	21380077NJ412N78RU03	21380077NJ412N78RU03	XMAT
HPWMD1WQSO	✓	2017-08-02	2017-11-09 10:22:48	7HBGLXDRUGQPU57RNE97	ROMUW5FPU8MPRO8K5P83	XEU
TRADEREFERENCE97	!	2017-11-21	2017-10-11 14:53:39	549300I2Y1LCN3FHB830	549300FEXEHQB3TS5U26	XMAT
TRADEREFERENCE98	!	2017-11-26	2017-10-11 14:53:39	549300FEXEHQB3TS5U26	5493003520BDW3R34538	XMAT
TRADEREFERENCE99	!	2016-10-13	2017-10-11 14:53:39	549300FEXEHQB3TS5U26	5493005GICHA4VQNV28	XMAT
TRADEREFERENCE94	!	2016-10-29	2017-10-11 14:53:39	549300I2Y1LCN3FHB830	549300CEV8QJ44FNU738	XMAT
TRADEREFERENCE93	!	2016-10-26	2017-10-11 14:53:39	5493005270P5B801RY94	549300FEXEHQB3TS5U26	XMAT
TRADEREFERENCE92	!	2017-10-11	2017-10-11 14:53:39	549300FEXEHQB3TS5U26	549300KFCU1Y2M20965	XMAT
TRADEREFERENCE91	!	2015-11-29	2017-10-11 14:53:39	549300BEXEHB3TS5U26	549300BKEBERKFOG21	XMAT
TRADEREFERENCE90	!	2016-11-10	2017-10-11 14:53:39	5493003520BDW3R34538	549300UPZ83BMVNTW547	XMAT
TRADEREFERENCE87	!	2017-11-21	2017-10-11 14:49:50	549300I2Y1LCN3FHB830	549300FEXEHQB3TS5U26	XMAT
TRADEREFERENCE86	!	2017-11-26	2017-10-11 14:49:50	549300FEXEHQB3TS5U26	5493003520BDW3R34538	XMAT
TRADEREFERENCE85	!	2016-10-13	2017-10-11 14:49:50	549300FEXEHQB3TS5U26	5493005GICHA4VQNV28	XMAT

COLUMN	ICON /FORMAT	SOURCE	DESCRIPTION
SELECTION		Saturn field	User can select one or multiple positions: <ul style="list-style-type: none"> <li>One line for manual modification</li> <li>One or multiple lines for single or multiple cancellations</li> </ul>
REPORT REFERENCE NUMBER	alphanum	Saturn field	Identification number that is unique to the executing firm for each position report.

COLUMN	ICON /FORMAT	SOURCE	DESCRIPTION
STATUS		Saturn field	<p>Indicates the current status of the position report A status description is available on roll-over</p> 
HOLDING POSITON DAY	Date		
DATE	Date	Saturn field	Submission date
REPORTING ENTITY ID	Alphanum	Saturn field	
POSITION HOLDER ID		Saturn field	
TRADING VENUE IDENTIFIER	MIC code	Saturn field	Identification of the venue applicable to the position

### 10.3 THE DIFFERENT POSITION STATUSES

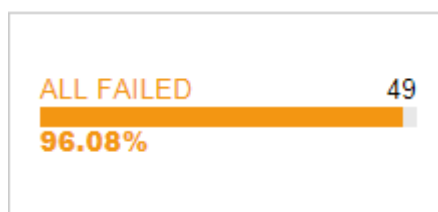
Possible status of Commodity Position Report:

STATUS		DESCRIPTION
<b>Euronext <u>Statuses</u></b>		
Checked & Ready		<b>Checked &amp; Ready:</b> Position report validated
Failed		<p><b>Failed:</b> Position report contains errors. Failed position reports can be corrected and re-submitted for Euronext validation prior to the cut-off time.</p> <p>By clicking on the line, users can get access to the list of errors.</p>
Cancelled		<b>Cancelled:</b> Position report cancelled by user
Pending		<p>Processing of position report is pending. This status code is used in case the position report cannot be validated due to missing reference data.</p>

## 10.4 AMENDING A FAILED POSITION


It is possible to manually amend a position from the Saturn User Interface especially if it is in 'Failed'. To edit and amend a position, do the following:


- For a "Failed" position, it is recommended to point directly to the list of "**ALL FAILED**" position by clicking on the dedicated button from the dashboard page:




- Otherwise, from the detailed position report view based on user's criteria.
- 3- Select the position to amend. Please note that manual position amendment in the Saturn application can only be done for one position at a time. Mass corrections can only be done via the API Web Service:

*In case multiple lines are selected, the amend button will disappear.*



- 4- Choose the position to amend by checking the checkbox  on the left of the screen or by clicking in the position's line.

Click the "edit selected item"  icon on contextual menu on the right of the screen.

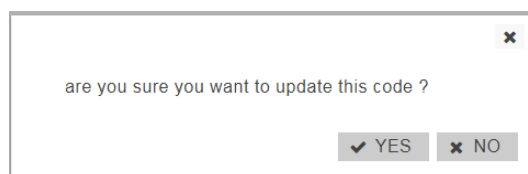
The following window appears and erroneous fields are highlighted in red:

UPDATE: TRADEREFERENCESVEA6376570463


Security Id	
FRENX0873815	
Holding Position Trading Day	Reporting Entity ID
2017-10-20	549300FNZ97DXGFX0T14 [11] wrong esma code. not referenced.
Position holder ID	Position holder email
5493009Z76P5B851RY34 [11] wrong esma code. not referenced.	test3@demo3.com
Ultimate Parent entity ID	Ultimate Parent entity email
5493003SZ08DW3R34S38	holder1@client.com
Ultimate Parent entity type	Trading Venue
NATIONAL ID ▼	XMAT [13] invalid value
Position Type	Position Maturity
OPTIONS ▼	ALL OTHER MONTHS ▼
Long Position Quantity	Delta Equivalent Long Position
852317	873795
Short Position Quantity	Delta Equivalent Short Position
198020	515436
Risk Reducing Indicator	Investment Firm Indicator
FALSE ▼	FALSE ▼
Free Text1	Free Text2
Smith	Henry
Free Text3	Free Text4
Gris	Audi
Free Text5	
Londres	

CANCEL 
UPDATE 

- After correcting the erroneous fields, click on the “**UPDATE**” button. A confirmation message appears.
- Click “**YES**” to confirm the operation or “**NO**” to cancel:



Modified data is inserted in the position line.

---

## 10.5 CANCELLING A POSITION


Users with the appropriate rights can cancel positions. 1 to N positions can be cancelled in the pane.

To cancel a position:

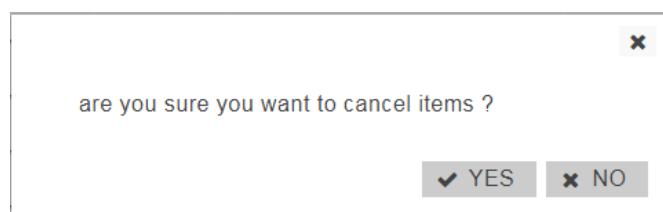
13. From the Transaction details screen, choose the lines to cancel.



Choose the position to cancel by checking the checkbox on the left of the screen.

14.  Click the “cancel” icon from the contextual menu in the right part of screen.

15. A confirmation message appears:



Click “YES” to confirm the cancellation of the selected position.

---

## 10.6 EDITING A POSITION

To view more details of declarations or trades, do the following:

1) Click on the following button in the menu:



The list of positions are displayed:

51 POSITIONS

SELECT COLUMN TO DISPLAY

FREE SEARCH

FILTER

	REPORT REFERENCE NUMBER	STATUS	HOLDING POSITION TRADING DAY	DATE	REPORTING ENTITY ID	POSITION HOLDER ID	TRADING VENUE IDENTIFIER
<input type="checkbox"/>	TRADEREFERENCEVEA0376570403	!	2017-10-20	2017-09-19 11:59:40	549300FND2T0H0F0T14	549300Z70P5885R1Y34	XBAT
<input type="checkbox"/>	TRADEREFERENCELYF3263058861	!	2016-10-23	2017-09-19 11:59:40	549300UP2338M/N7W547	549300BEV0SERVFO21	XBAT
<input type="checkbox"/>	TRADEREFERENCEVYF302430596	!	2015-10-10	2017-09-19 11:59:40	549300FEX0H03755L09	549300FEX0H03755L09	XBAT
<input type="checkbox"/>	TRADEREFERENCEPQW020564032	!	2017-10-21	2017-09-19 11:59:40	549300VJ7FAVQ3T80	549300S230DWR34538	XBAT
<input type="checkbox"/>	TRADEREFERENCEST050594058	!	2017-11-24	2017-09-19 11:59:40	549300VJ7FAVQ3T80	549300FCCJ1Y2M2065	XBAT
<input type="checkbox"/>	TRADEREFERENCEZ478540541988	!	2016-10-13	2017-09-19 11:59:40	549300H0V5T2R87W4549	549300S230DWR34538	XBAT
<input type="checkbox"/>	TRADEREFERENCEW4K037058882	!	2016-11-18	2017-09-19 11:59:40	549300H4WQ471H2V4L75	549300FND2T0H0F0T14	XBAT
<input type="checkbox"/>	TRADEREFERENCEH4V472408444	!	2017-10-28	2017-09-19 11:59:40	549300BEV0SERVFO21	549300UP2338M/N7W547	XBAT
<input type="checkbox"/>	TRADEREFERENCECRPT501056222	!	2015-11-15	2017-09-19 11:59:40	549300S230DWR34538	549300FEX0H03755L09	XBAT
<input type="checkbox"/>	TRADEREFERENCELJUB76765411	!	2015-11-26	2017-09-19 11:59:40	549300UP2338M/N7W547	549300BEV0SERVFO21	XBAT
<input type="checkbox"/>	TRADEREFERENCEHUB07357549	!	2015-10-14	2017-09-19 11:59:40	549300S230DWR34538	549300FND2T0H0F0T14	XBAT
<input type="checkbox"/>	TRADEREFERENCEHMT50766232	!	2017-11-28	2017-09-19 11:59:40	549300BEV0SERVFO21	549300UP2338M/N7W547	XBAT
<input type="checkbox"/>	TRADEREFERENCEBOL0284817407	!	2015-10-21	2017-09-19 11:59:40	549300FCCJ1Y2M2065	549300VJ7FAVQ3T80	XBAT
<input type="checkbox"/>	TRADEREFERENCEPJC0376034029	!	2017-10-24	2017-09-19 11:59:40	549300H4WQ471H2V4L75	549300FND2T0H0F0T14	XBAT
<input type="checkbox"/>	TRADEREFERENCEITP0322854757	!	2017-11-18	2017-09-19 11:59:40	549300H0V5T2R87W4549	549300FEX0H03755L09	XBAT



Two types of views are available:

- Restricted view: the most important data for the position report is displayed;
- Extended view: all data for the position report is available.

The contextual menu offers users the option to switch from one view to another.




To edit a position:



-  Choose the position to edit by checking the checkbox on the left of the screen;
-  Click the “edit selected item” icon on contextual menu on the right of the screen.

The overlay with all fields is displayed.



UPDATE: TRADEREFERENCESVEA6376570463


Security Id	
FRENX0873815	
Holding Position Trading Day	Reporting Entity ID
2017-10-20	549300FNZ97DXGFX0T14 [11] wrong esma code. not referenced.
Position holder ID	Position holder email
5493009Z76P5B851RY34 [11] wrong esma code. not referenced.	test3@demo3.com
Ultimate Parent entity ID	Ultimate Parent entity email
5493003SZ08DW3R34S38	holder1@client.com
Ultimate Parent entity type	Trading Venue
NATIONAL ID ▼	XMAT [13] invalid value
Position Type	Position Maturity
OPTIONS ▼	ALL OTHER MONTHS ▼
Long Position Quantity	Delta Equivalent Long Position
852317	873795
Short Position Quantity	Delta Equivalent Short Position
198020	515436
Risk Reducing Indicator	Investment Firm Indicator
FALSE ▼	FALSE ▼
Free Text1	Free Text2
Smith	Henry
Free Text3	Free Text4
Gris	Audi
Free Text5	
Londres	

CANCEL 
UPDATE 

4. Click the “**UPDATE**” button to confirm the operation or the “**CANCEL**” button to cancel the operation.

---

## 10.7 POSITION CRITERIA

On the Status report page, define positions to view by typing or selecting values for these search criteria:

- REPORT REFERENCE NUMBER
- REPORTING ENTITY ID
- SHORT POSITION QUANTITY DELTA
- ULTIMATE PARENT ENTITY ID
- CONTRACT CODE
- LONG POSITION QTY DELTA
- POSITION TYPE
- POSITION MATURITY
- SHORT POSITION QTY
- POSITION HOLDER
- TRADING VENUE
- LONG POSITION QTY
- RISK REDUCING
- STATUS
- USER

Click on the **“RUN”** button to apply selected filters:

---

## 10.8 LIST OF INSTRUMENTS ON THE COMMODITIES WITH THEIR ISIN CODE AND SPOT MONTH INDICATOR

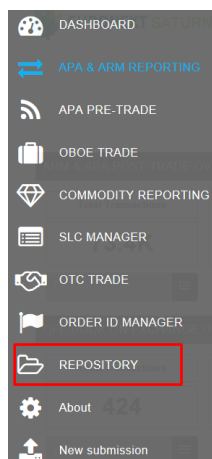
In relation to Euronext agricultural commodity contracts listed on MATIF, Euronext confirms that the spot month for the purposes of EU and UK MiFID II daily reporting is always the first maturity immediately available for trading.

Reporting of options on futures contracts follows the same logic as for their equivalent futures: options that have the spot month future as their underlying will also be classified as spot month options.

As a reminder, there are only expiries of a monthly nature on MATIF contracts and the issue of infra maturities as mentioned in the ESMA Q&As does not arise.

For manual export is now available through the Saturn User Interface :

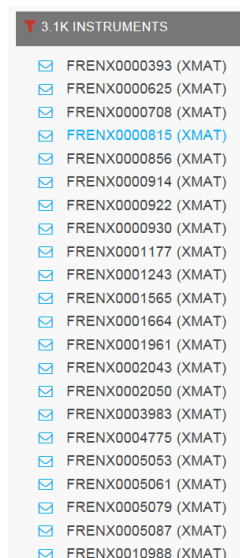
- Go to Repository in the Saturn main menu



- Click on the Filter button (1) and type 'XMAT' (Paris Commodity Contracts) in the MIC field (2), then press RUN (3)



- The Spot Month indicator is visible in the **Expiry Date Offset** field (after you have manually selected an instrument)



ISIN:	FRENX0011028
AMR:	YFECO161100000F
Venue:	XMAT
Currency:	EUR
Classification Type:	FCAPSX
Product Code:	ECO
Symbol Index:	4226300016
Underlying Product Code:	ECO
Underlying Name:	Rapeseed / Colza
Tick Size Numerator:	25
Tick Size Denominator:	100
Is Deleted:	<input type="checkbox"/>
Is Liquid:	<input type="checkbox"/>
ADT:	0.00000
LIS PreTrade:	0
LIS PostTrade:	0
SSTI PostTrade:	0
Expiry Date Offset:	Other maturities (2)
Sent To MDG:	<input type="checkbox"/>

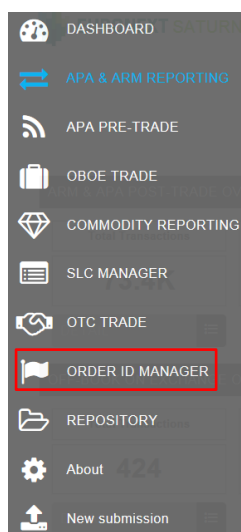
- To export the **list of instruments with their Spot Month indicator** (a value of 0 means that the instrument belongs to the Spot Month) click on the **excel** button



It is important that apply the filter on the MIC before doing the Excel export in order to limit the number of instruments to Commodity ones.

## 11. ORDER ID MANAGEMENT SERVICE

To access ORDER ID management service, go to the Dashboard and select “ORDER ID MANAGER”:



### 11.1 ORDER ID CONSULTATION

The Saturn application allows you to view the details of all ORDER ID that have been submitted with their respective statuses.


EURONEXT SATURN qa2 ORDER ID MANAGER

bnp20

6164 CODES SELECT COLUMN TO DISPLAY FILTER

	SHORT CODE1	SHORT CODE2	SHORT CODE3	DATE	MARKET TYPE	ORDER DATE	STATUS	ORDER ID	ISIN CODE	DEA IND
	74718481	-31437802	82832728	2018-10-10 19:39:39	Euronext	2018-10-10	✓	3578531	NLEN008530728	
	88539950	8858714	18877228	2018-10-05 18:08:17	NLD	2018-10-05	✓	3584559	NLEN004850119	
	-73303952	-46210825		2018-10-05 18:08:18	Euronext	2018-10-05	✓	3555585	NLEN004851795	1
	-86785769	75485320	85885317	2018-10-05 18:08:14	Luxembourg	2018-10-05	✓	4531474	NLEN004855849	1
	72259481	44527480	11855487	2018-10-05 18:08:13	NLD	2018-10-05	✓	5516574	NLEN004855832	F
	-49452789	40582325		2018-10-05 18:07:14	Euronext	2018-10-05	✓	1015572	NLEN004857425	F
	-91758055	-12771810	-52373574	2018-10-05 18:07:09	Euronext	2018-10-05	✓	1546695	ELNLD091837145	1
	83339182	-27522514	49525881	2018-10-05 18:07:05	Euronext	2018-10-05	✓	9576933	NLEN004842338	1
	823545770	1194520418	338110542	2018-10-04 10:55:10	Luxembourg	2018-09-20	✓	153779452	NLEN004841109	1
	753887000	-1558571822	1154517788	2018-10-04 10:55:10	Luxembourg	2018-09-22	✓	1572857400	NLEN004851758	F
	-1954857454	730574258	-103032288	2018-10-04 10:55:10	Luxembourg	2018-07-13	✓	1423418522	NLEN004855841	1
	-1334503234	342783740	83032385	2018-10-04 10:55:10	Luxembourg	2018-09-26	✓	765845424	NLEN004845323	1
	-203591504	-324332324	-853474138	2018-10-04 10:55:10	Luxembourg	2018-09-21	✓	806203234	NLEN008530718	1
	-43745807	82053295	-12233385	2018-10-03 17:23:17	Euronext	2018-10-03	✓	4511594	NLEN004853308	F
	85940338	42078542	36004555	2018-10-03 17:23:14	Luxembourg	2018-10-03	✓	3535544	NLEN004855849	1

The following default information is provided:

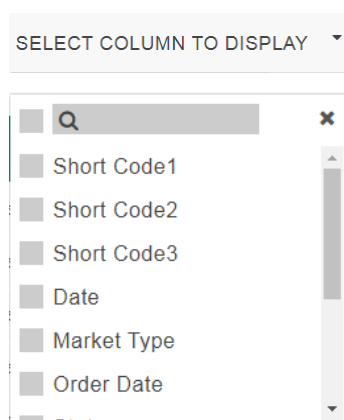
COLUMN	ICON /FORMAT	SOURCE	DESCRIPTION
SELECTION		Saturn field	User can select one or multiple ORDER ID: <ul style="list-style-type: none"> <li>- One line for manual modification</li> <li>- One or multiple lines for single or multiple cancellations</li> </ul>
SHORT CODE1	Integer	Saturn field	ExecutionWithinFirmShortCode, MiFID II identifier of the trader {NationalID or identification of client } or algorithm {AlgoID} or responsible for the execution making
SHORT CODE2	Integer	Saturn field	MiFID II identifier for either one of the following: * InvestmentDecisionWithinfirmShortCode to identify the trader {NationalID} or algorithm {AlgoID} responsible for the investment decision making; or * ClientIdentificationShortCode to identify the client of the member or participant of the trading venue {NationalID, LEI, AGGR or PNAL}. In case there is DEA, the code of the DEA user shall be used.
SHORT CODE3	Integer	Saturn field	InvestmentDecisionWithinfirmShortCode to identify the trader {NationalID} or algorithm {AlgoID} responsible for the investment decision making To be used optionally and where applicable in combination with ShortCode2 populated as ClientIdentificationShortCode
DATE	YYYY-MM-DD HH:MM:SS	Saturn field	Date of insertion / modification
STATUS		Saturn field	Indicates the current status of the ORDER ID A status description is available on roll-over  
MARKET TYPE	Multi-choice	Saturn field	
ORDER DATE	YYYY-MM-DD	Saturn field	Date of the order
ORDER ID	YYYY-MM-DD HH:MM:SS	Saturn field	Number assigned by the Trading Engine upon successful validation of an incoming order. Please note: upon order modification, a new OrderID is generated by the Trading Engine. Members have to submit each OrderID even if the ShortCodes and DEAIndicators remain unchanged.
ISIN CODE	Alphanum	Saturn field	12-character alpha-numerical code that serves for uniform identification of a security, also known as Euronext Trading code
DEA Indicator	Integer	Saturn field	Indicates whether the order was submitted via a Direct Electronic Access (DEA) connection or not. It must be set to 1 for DEA access
USER		Saturn field	User that inserted the ORDER ID

The window offers additional information and features:






- ORDER ID criteria – access to all ORDER ID filters:



- Choice of the columns to display on the table:





- Additional features are available from the menu on the right of the report:

FUNCTION	DESCRIPTION
	Refresh button
	Export to Excel. The exported file will contain the list of all ORDER ID with all columns.
	Edit selected ORDER ID
	Insert a new ORDER ID via Copy
	Insert a new ORDER ID

## 11.2 ORDER ID POSSIBLE STATUSES

**ORDER ID can be submitted to Saturn from Monday to Friday, from 7:00 AM to 10:00 PM.**

As soon as an ORDER ID is received by Saturn whatever the format (JSON, XML or CSV), it is processed in real-time by the Saturn Check Module. As a result of this validation, a first status is sent back to the user. The ORDER ID is displayed in the user Interface with its appropriate status.


STATUS		DESCRIPTION
<a href="#">Euronext Statuses</a>		
Checked & Ready		Compliant ORDER ID
Failed		<p><b>Failed:</b> ORDER ID contains errors. Failed ORDER ID can be corrected and re-submitted for Euronext validation.</p> <p>By clicking on the line, users can get access to the list of errors.</p>

### 11.3 AMENDING AN ORDER ID

It is possible to manually amend an ORDER ID from the Saturn User Interface especially if it is in 'Failed'.

To edit an ORDER ID, do the following:

1- Select the ORDER ID to amend. Please note that manual ORDER ID amendment in the Saturn application can only be done for one ORDER ID at once. Mass corrections can only be done via the Web Service;

2- Choose the ORDER ID to amend by checking the checkbox  on the left of the screen or by clicking in the ORDER ID's line.

Click the "edit selected item"  icon on contextual menu on the right of the screen.

The following window appears and erroneous fields are highlighted in red:

3- After modifications click on the "UPDATE" button. A confirmation message appears.

4- Click "YES" to confirm your operation or "NO" to cancel:

### 11.4 ORDER ID CRITERIA

On the Status report page, define declarations and trades to view by typing or selecting values for these search criteria:

- SHORT CODE1
- SHORT CODE2

- SHORT CODE3
- MARKET TYPE
- ORDER ID
- DEA Indicator
- ISIN CODE
- ORDER DATE
- STATUS
- USER

Click on the “RUN” button to apply selected filters:

The screenshot shows the Euronext Saturn qa2 interface. At the top, there's a header with the Euronext logo and 'SATURN qa2'. On the right, there's a user profile 'user11' and a 'FILTER' button. Below the header, there's a table with 8147 codes. The table has columns: SHORT CODE1, SHORT CODE2, SHORT CODE3, DATE, and MARKET. To the right of the table, there's a filter panel with dropdowns for MARKET TYPE, DEA Indicator, ORDER DATE, ORDER ID, ISIN CODE, STATUS, and USER. There are also 'CLEAR ITEMS' and 'RUN' buttons. The table shows data for various codes and dates, with a 'MARKET' column indicating locations like Luxembourg and Euronext.

## 11.5 INSERT A NEW ORDER ID FROM THE SATURN WEB APPLICATION

It is possible to submit a new ORDER ID via the Saturn GUI by entering all its details manually. Users should nevertheless use this option as a back-up due to the number of data that must be entered. To manually submit an ORDER ID, do the following:

Click on “**Insert Code**” icon from the contextual menu in the right part of screen. 

The new ORDER ID overlay is displayed:

The screenshot shows the 'INSERT NEW CODE' overlay form. It has a title bar with the text 'INSERT NEW CODE' and a close button. The form contains several input fields: Market Type (dropdown), Dea Indicator (dropdown), Short Code1, Short Code2, Short Code3, Order Id Code, Isin Code, and Order Date (YYYY-MM-DD). At the bottom, there are two buttons: 'CANCEL' and 'INSERT'.



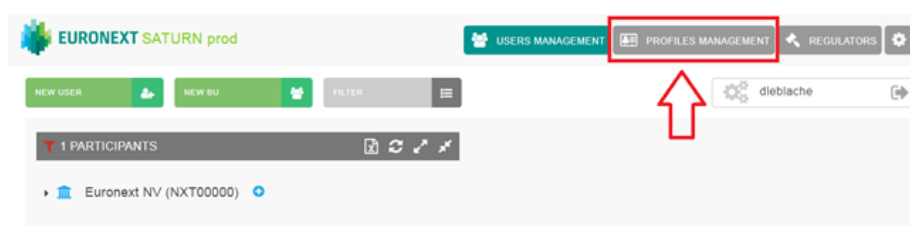
Fill all fields with expected data and click on the **“INSERT”** button. The new ORDER ID line will appear in the transactions status report.

## 12. OTC TRADE FACILITY

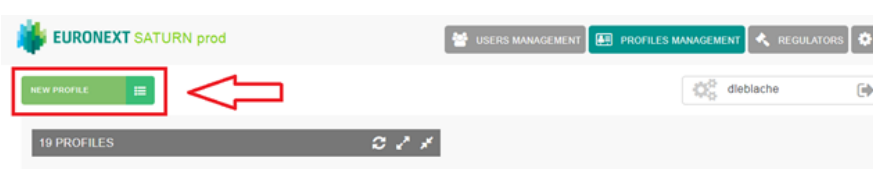
### 12.1 ADD A OTC TRADE FACILITY PROFILE

To access to the OTC Cleared facility in Saturn it is required to create a new profile in Saturn.

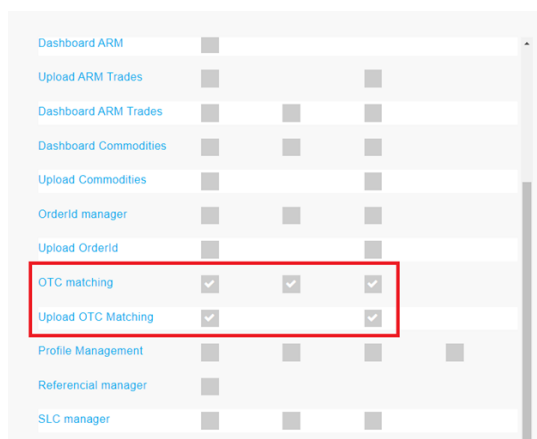
- The first step is to go to **Profiles Management** (from an administrator profile) at the top right



- Thereafter, click on **New Profile**



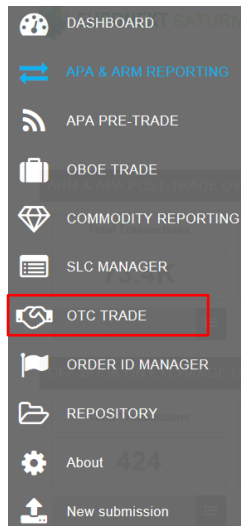
- And then **check the boxes** related to OTC Cleared Facility



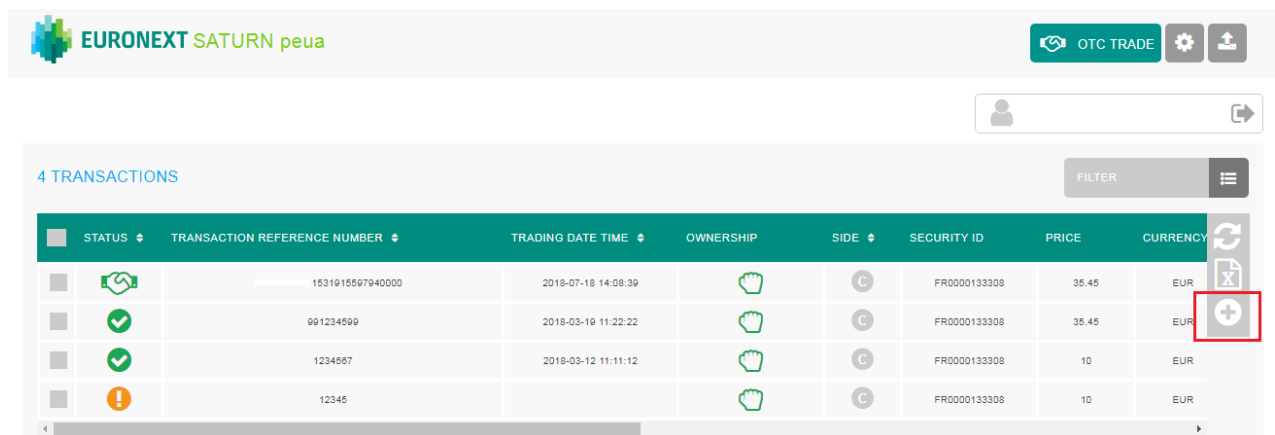
Users can now manually input OTC Cleared trades from the **OTC Trade** option in the Dashboard of the Saturn User Interface.

### 12.2 OTC CLEARED – EXAMPLE

- Go to **OTC Trade** in the Saturn main menu



- Click on **Insert OTC Transaction**



- Complete the fields

Instrument Id	Side
FR0000133308	CROSS
Price	Quantity
14.200	94449
Price Currency	Entering Counterpart
EUR	
Settlement Period	Memo Text
2	
Guarantee Flag	
CLEARED AND GUARANTEED BY A CLEARING HOUSE	

Buyer Details

Account Number

1903

Account Type

CLIENT

Client Id

Test

Clearing Firm Id

Clearing Mode

CHOOSE

Seller Details

Account Number

Account Type

HOUSE

Client Id

Clearing Firm Id

Clearing Mode

MANUAL

CANCEL

INSERT

Once you have completed all the fields, click on **Insert**

- In the case of you have an error: **tick the box** and click on **Edit Selected Transaction**

EURONEXT SATURN peua

OTC TRADE

5 TRANSACTIONS

	STATUS	TRANSACTION REFERENCE NUMBER	TRADING DATE TIME	OWNERSHIP	SIDE	SECURITY ID	PRICE	CURRENCY	QUANTITY	GUARANTEE FLAG	ENTERING
<input checked="" type="checkbox"/>		1531919644142000	2018-07-18 15:14:04		C	FR0000133308	14.2	EUR	84460	Cleared and Guaranteed by a Clearing House	
	<div>Transaction reference number [1531919644142000]</div> <div>[ENTERINGCOUNTERPART][1015] Entering Counterpart should be empty when Side is Cross</div>										
		1234567	2018-03-12 11:11:12		C	FR0000133308	35.45	EUR	84460	Cleared and Guaranteed by a Clearing House	
		12345			C	FR0000133308	10	EUR	100	Cleared and Guaranteed by a Clearing House	

And finally when you have the status **Matched**, your transaction as done.

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OTC TRADE

5 TRANSACTIONS

	STATUS	TRANSACTION REFERENCE NUMBER	TRADING DATE TIME	OWNERSHIP	SIDE	SECURITY ID	PRICE	CURRENCY	QUANTITY	GUARANTEE FLAG	ENTERING
		1531919644142000	2018-07-18 15:02:53		C	FR0000133308	14.2	EUR	84460	Cleared and Guaranteed by a Clearing House	
		1531919597940000	2018-07-18 14:08:39		C	FR0000133308	35.45	EUR	84460	Cleared and Guaranteed by a Clearing House	
		991234569	2018-03-19 11:22:22		C	FR0000133308	35.45	EUR	84460	Cleared and Guaranteed by a Clearing House	
		1234567	2018-03-12 11:11:12		C	FR0000133308	10	EUR	51	Cleared and Guaranteed by a Clearing House	
		12345			C	FR0000133308	10	EUR	100	Cleared and Guaranteed by a Clearing House	

<b><u>Name</u></b>	<b><u>Description</u></b>
Instrument ID	Code used to identify the financial instrument. This code has to be processed with the MiFID Instrument ID Type
Price	Price of an instrument in a Saturn declaration
Price currency	Currency in which the price is expressed
Settlement Period	This field indicates the settlement delay in trading days, from 0 to 30 days
Guarantee Flag	This field indicates if the trade is guaranteed or not (for clearing purposes)
Side	Transaction side
Quantity	Total transaction quantity
Entering Counterpart	Code used to identify the entity executing the transaction
Memo Text	
Account Number	This field indicates the account type for which the transaction is entered.
Client ID	Client ID
Account Type	This field indicates the account type for which the transaction is entered
Clearing Firm ID	Clearing firm Identification.