

Document title**EURONEXT GLOBAL REPORTING SOLUTION – SATURN USER INTERFACE****Document type or subject****Saturn User Interface User Guide****Version number****2.7****Date****02 December 2021****Number of pages****98****Author****Euronext**

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PREFACE

ABOUT THIS DOCUMENT

Euronext has developed a suite of reporting services to support the implementation of MiFID II.

These services will be operated via a new 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..

TARGET AUDIENCE

This document should be read by clients who have subscribed to one of the following 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 MIFIR;
- ARM transaction reporting service;
- APA Post-Trade publication service;
- APA Pre-Trade publication for a SI (Systematic Internaliser) ;
- OBOE (Off Book On Exchange) services

ASSOCIATED DOCUMENTS

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

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

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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"> - Completed section 6. Approved Publication Arrangement (APA) - Added New Section 7. Off Book on Exchange (OBOE) for Members Profile
2.4	March 2019	Euronext	Adding Section 5.8 Trade recovery process
2.5	September 2020	Euronext	<p>The following section was updated:</p> <ul style="list-style-type: none"> - Section 9.1 Dashboard – a new Market Type block “Sigma-X EU” and respective SLCs list are available. The images were also updated
2.6	October 2021	Euronext	<p>The following sections have been updated:</p> <ul style="list-style-type: none"> - 3.2 Logging in (RSA and TOTP Two-Factor Authentication) - 4.1 Logging in - 3.5.4 Change User's 2FA mode - In 1.1 MiFID II Euronext Reporting Services (Added a reference on UK DRSP regulatory framework governing.)
2.7	December 2021	Euronext	<p>Added Section 2.3 Password Policy</p> <p>The following sections have been updated:</p> <ul style="list-style-type: none"> - In 1.1 MiFID II Euronext Reporting Services : Added a reference on UK onshored regulation. - In 1.2 Trade Publication and Transaction Reporting Functionalities : Added a reference on UK onshored regulation.

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1. OVERVIEW

1.1 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 MiFID II. The laws and regulations of MiFID II will be effective as of January 3, 2018. When MiFID II comes into force, 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 is launching a powerful suite of reporting tools that enable Investment Firms to meet trade publication and transaction reporting obligations specified under 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 regulators and publish their trades to the marketplace.

The services include a multi-asset service package and offers pan-EU 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 predefined 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 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 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 UK DRSP regulatory framework governance.

■ 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 MiFID II compliant Approved Transaction Reporting**

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

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 to fulfil these obligations.

The Euronext Global Reporting service can be used for Transaction Reporting and Publication in compliance with 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 coverage;**
- **APA Post-Trade publication;**
- **APA Pre-Trade publication for Systematic Internaliser (SI).**

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:

- 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 MiFID II](#) page on the Euronext website.

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.

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.

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.

2.2 CONFIGURATION

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

	Environment	URL
GUI	EUA	https://saturn-h.euronext.com
	Production	https://saturn-p.euronext.com
API	EUA	https://saturn-api-h.euronext.com
	Production	https://saturn-api-p.euronext.com

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 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., @\$^&*()).

3. ADMINISTRATOR INTERFACE

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

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.

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)¹.

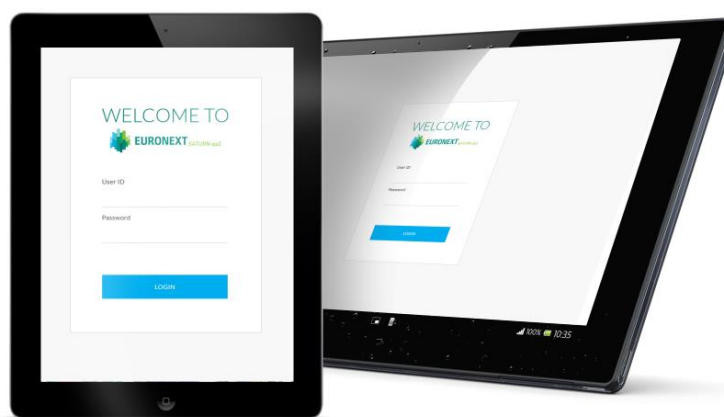
This section should be read in conjunction with the [Saturn User Guide – Migration to TOTP Solution](#) document for more information.

¹ 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 login 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:

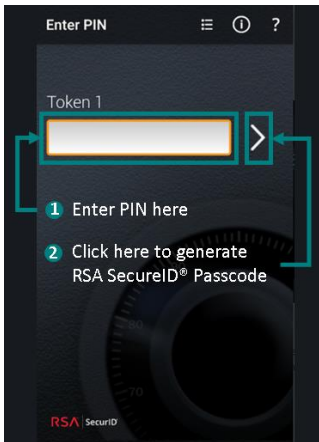
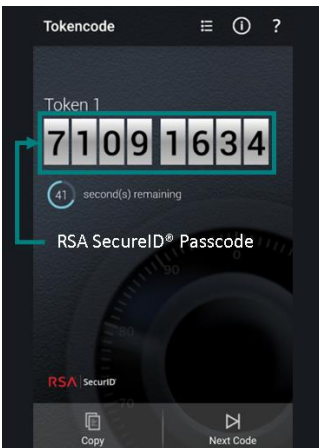


4. When the Saturn login page appears, User must login with his valid connection parameters:

	For the first connection to Saturn	For all other usual connections
User ID	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 contact the Euronext CAS team for further notice).	User's Login.
Password	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>Code</p>	<p>The Code (on 8 digits) corresponds to a RSA SecurID® passcode derived from the use of a PIN² code in a RSA SecurID® software.</p> <p>Both PIN and RSA SecurID® soft token are provided by Euronext CAS team.</p> <ul style="list-style-type: none"> ■ PIN: a 6 digits code intended to be used in the RSA SecurID® soft token in order to generate a RSA SecurID® passcode. ■ The RSA SecurID® soft token <ul style="list-style-type: none"> - The soft token is sent via email and it should be installed on a device (phone, computer, etc.) - Enter the PIN code on the RSA SecurID® soft token  <ul style="list-style-type: none"> - Once the PIN code is entered, a RSA SecurID® passcode will be generated. This passcode is renewed each 60 seconds.  <p>The generated RSA SecurID® passcode should then be used to fill the “Code” field.</p> <p>Example:</p> <p>If the PIN code = 123456 and the generated RSA SecurID® passcode = 71091634, the “Code” field should be filled with 71091634.</p> <p>Note:</p> <p>For clients using RSA SecurID® Cards or Token, the code corresponds to the old password (when the 2FA was not implemented).</p>
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² 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

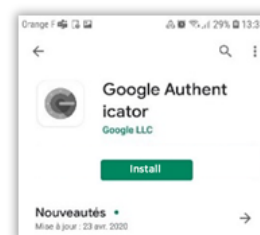
3.2.2.1 How to set up the TOTP solution on a device

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


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).

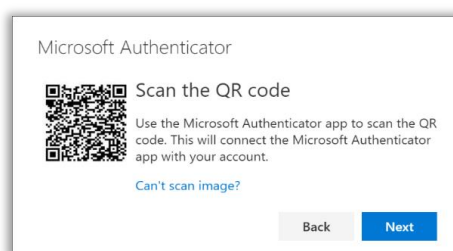


B) User Guide Microsoft Authenticator App

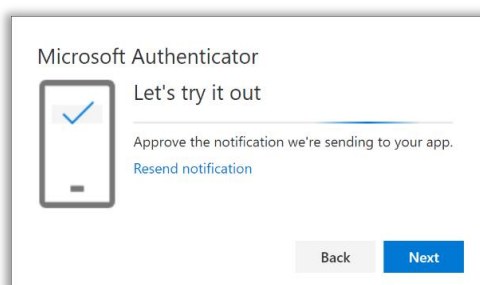
- Download and install the [Microsoft Authenticator](#) app for [iOS](#) or [Android](#);
- On your mobile device, open the Microsoft Authenticator app;
- Tap the Add icon  or **Add an Account** option;
- Select your desired account type. If prompted, select **Scan QR code**.



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

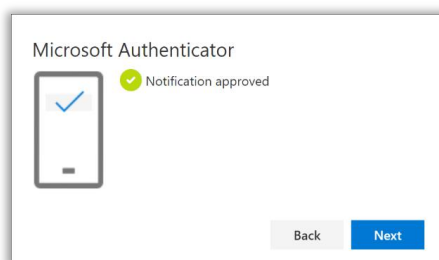


- A notification is sent to the Microsoft Authenticator app on your mobile device, to test your account.



³ 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.

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

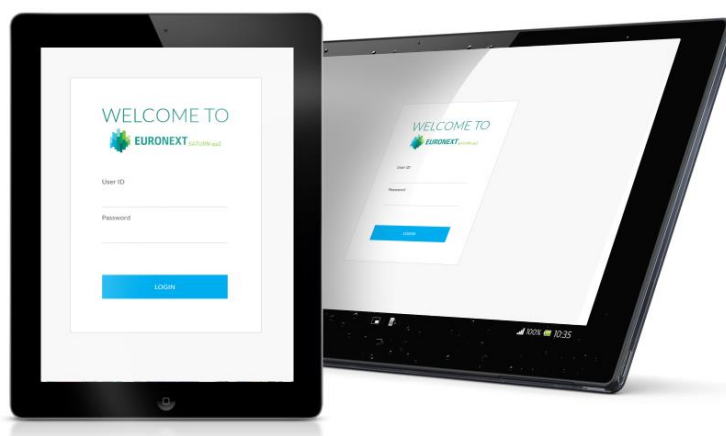


Your security info is updated to use the Microsoft Authenticator app by default to verify your identity when using two-step authentication or password reset.

3.2.2.2 Logon to Saturn

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

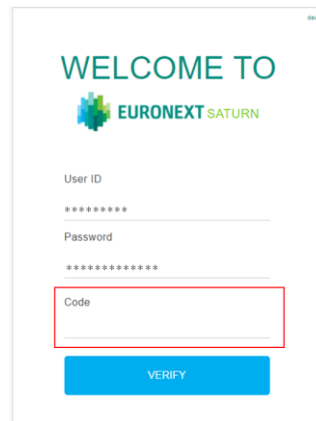
1. Start a Web browser;
2. Enter the appropriate [secure domain address](#);
3. The Euronext Saturn login form is displayed:



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

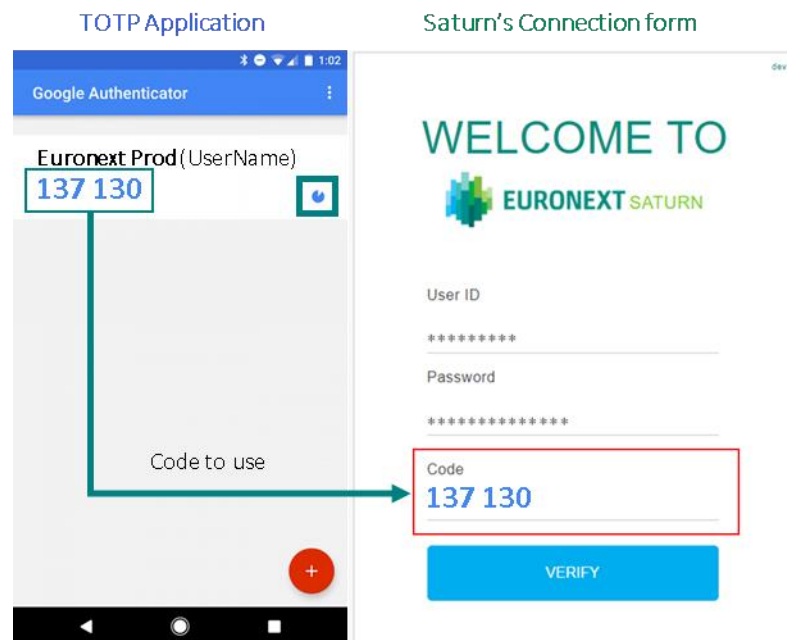
	For the first connection to Saturn	For all other usual connections
User ID	User's Login provided in the authentication email sent by Euronext CAS (Customer Access Services) team to the User right after the subscription (if for some reason the client is not able to use this authentication parameter, please contact the Euronext CAS team for further notice).	User's Login.
Password	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.



The image shows a web form titled "WELCOME TO Euronext SATURN". It contains four input fields: "User ID" (masked with asterisks), "Password" (masked with asterisks), "Code" (highlighted with a red border), and a "VERIFY" button at the bottom.

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



- 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:

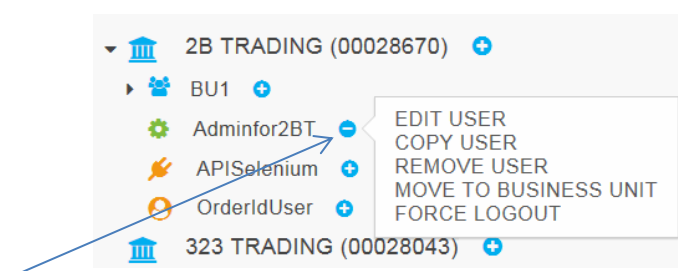
- Users assigned to a deleted Business Unit will be assigned directly to the participant's root;
- Only Euronext has the rights to delete a Business Unit;
- If a Business Unit is deleted, only a supervisor can see the trades of users who were in this BU.

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:

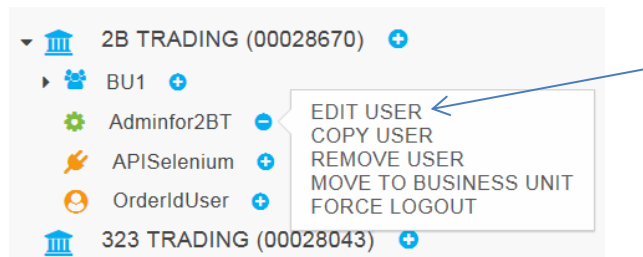
3.5.2 User update (GUI/API)

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: []

☒ API ☐ Suspend User ☐ User Locked

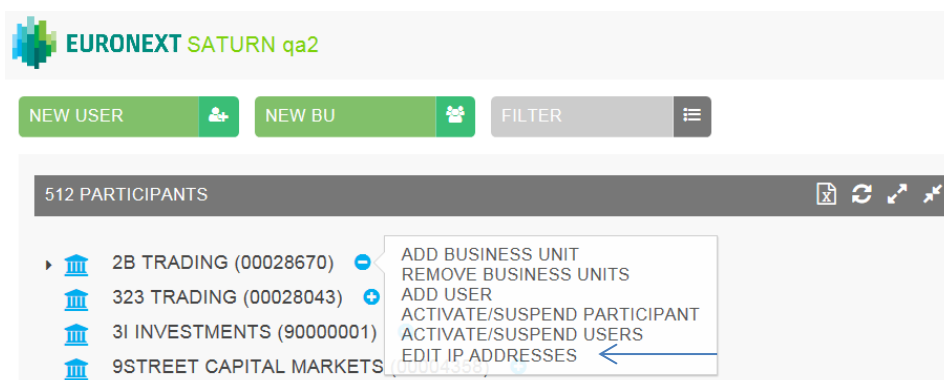
[Ask for DigitCert Certificate](#)

CANCEL **CREATE**

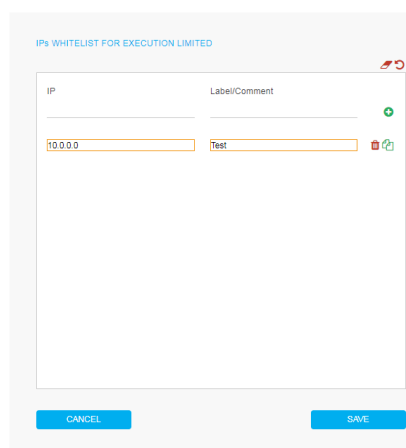
Fields	Description
Business Unit	A drop down menu allows the Participant administrator to choose a Business Unit
First Name	Free Text
Last Name	Free Text
Login	API login. This login is used when using the Saturn Web Services
Email	User e-mail
Password	<p>. For the Saturn Web User Interface: password 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:



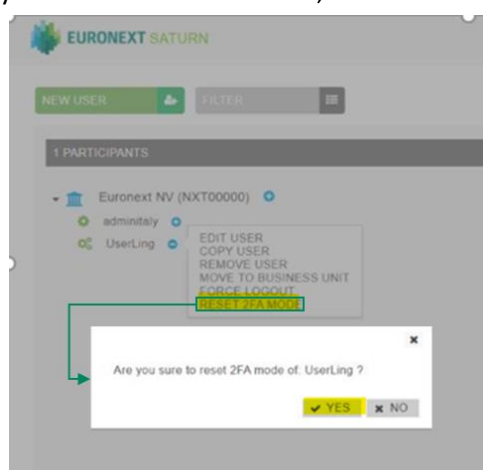
Relevant IP address is defined



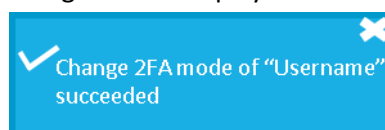
3.5.4 Change User's 2FA (Two-Factor Authentication) mode

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;

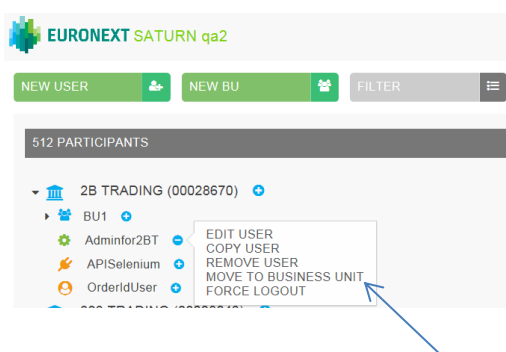


- The user will need to log in again and choose the TOTP solution. The user will then need to set a new password.

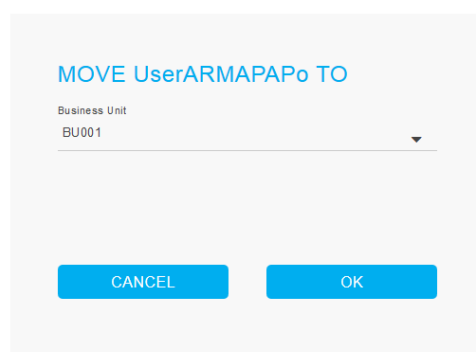
2. If their Saturn Administrator is not available or the request is for the Saturn Administrator's own access, the user may contact [Euronext Customer Access Services \(CAS\)](mailto:cas@euronext.com) on: cas@euronext.com, +33 1 85 14 85 89.

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

To create a new profile click the button:

NEW PROFILE



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

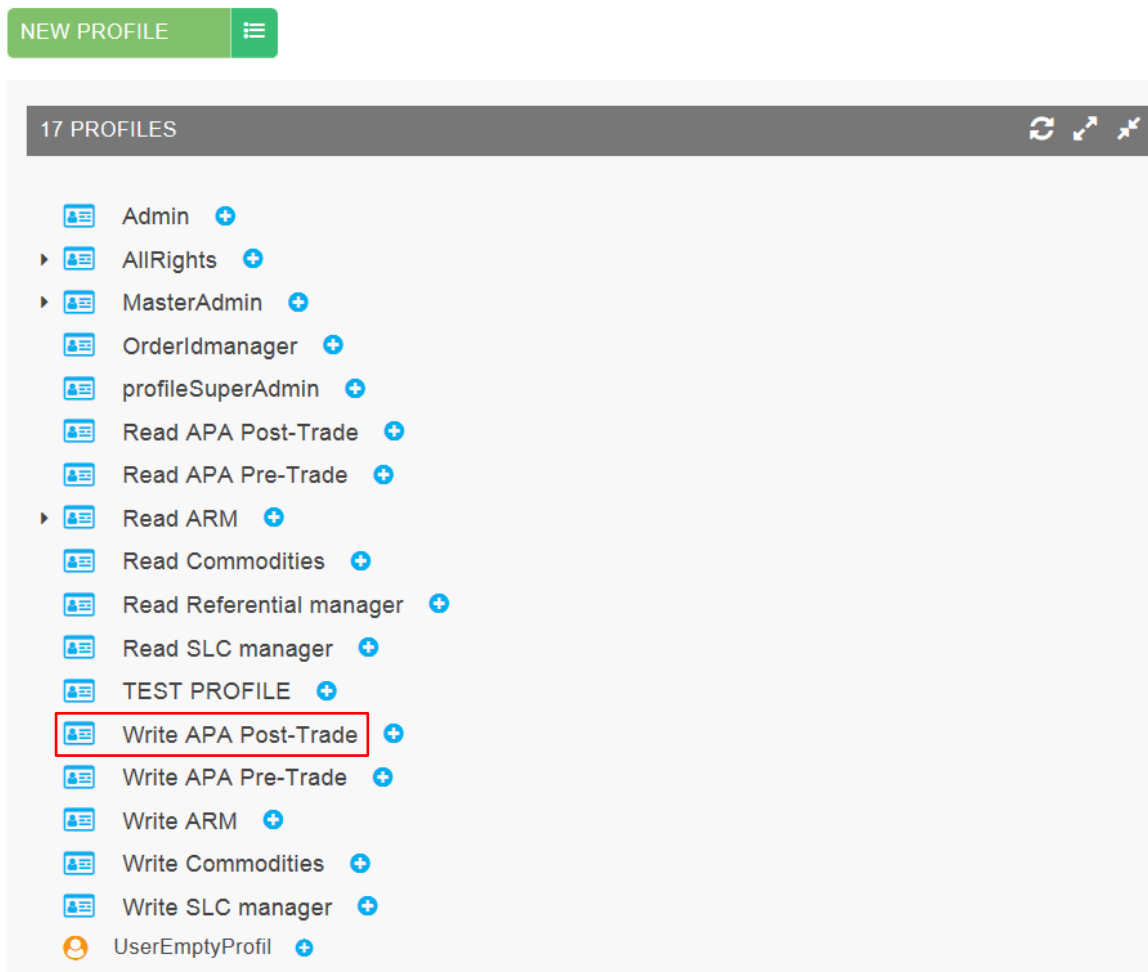
	VIEW	CREATION	UPDATE	DELETE
APA post-Trade Dashboard	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Upload APA Post-Trade	<input type="checkbox"/>		<input type="checkbox"/>	
APA Pre-Trade Dashboard	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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:

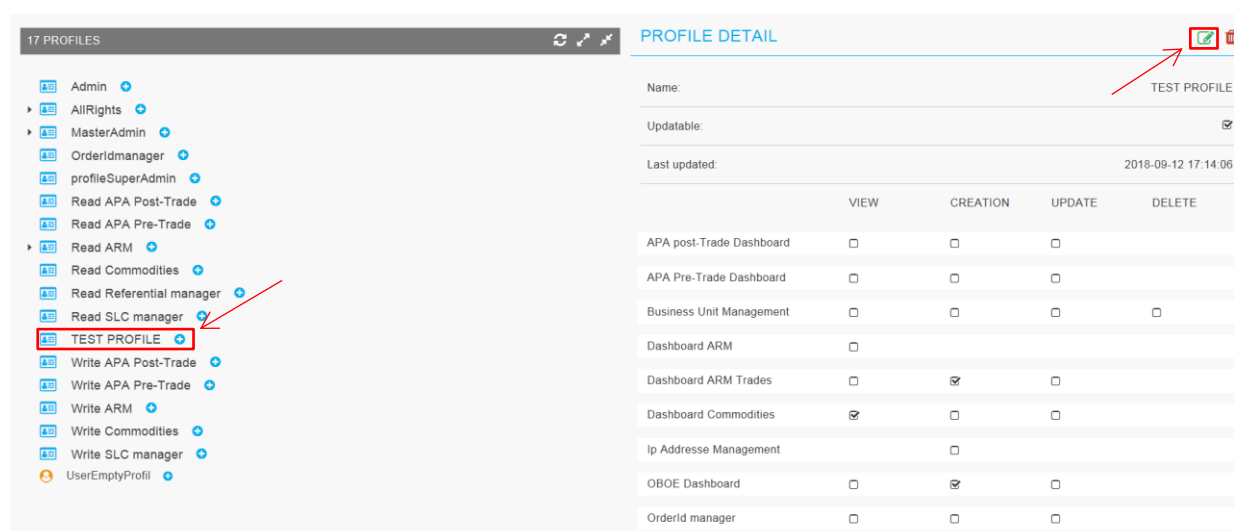
The profile name should be alphanumeric with no special character or space.

The new profile will appear in the profiles list:

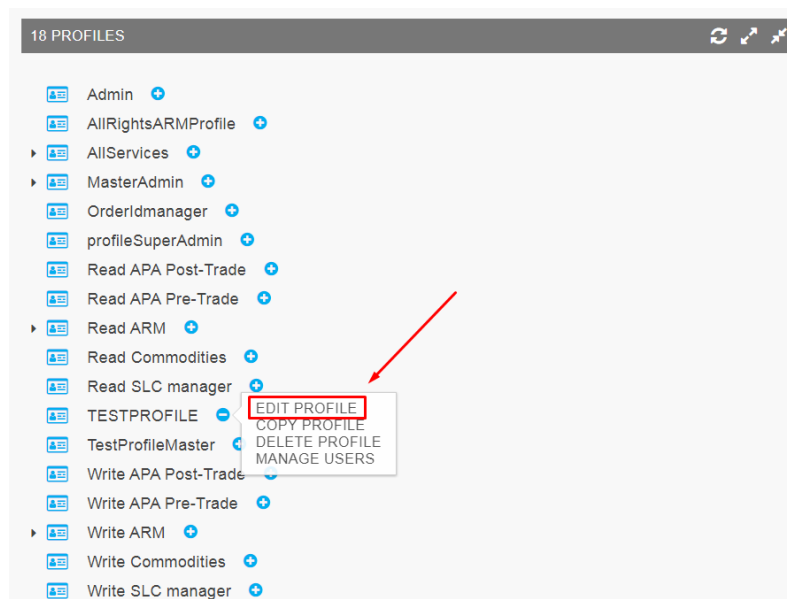


3.7.2 Profile Update

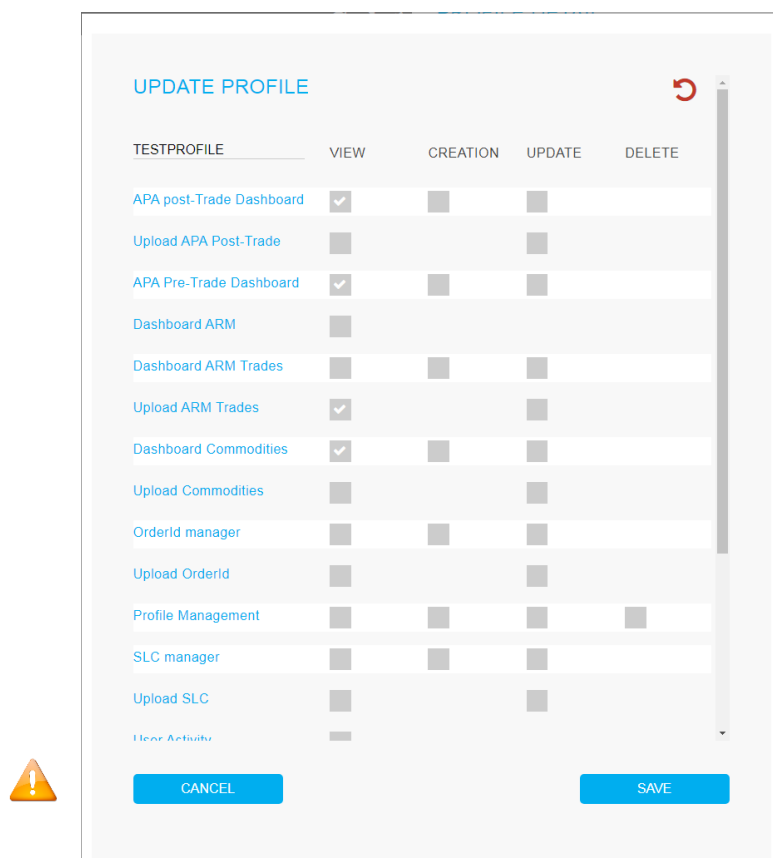
To update an existing profile, select the profile to modify in the profiles list, then click on the **“Modify”** button:



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 the last updated date '2017-10-31 17:57:14'. Below this is a table with columns 'VIEW', 'CREATION', 'UPDATE', and 'DELETE'.

	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 profile 'TESTPROFILE' is selected, and a context menu is open over it. The menu contains the following options: 'EDIT PROFILE', 'COPY PROFILE', 'DELETE PROFILE', and 'MANAGE USERS'. The 'DELETE PROFILE' option is highlighted with a red box, and a red arrow points to it.

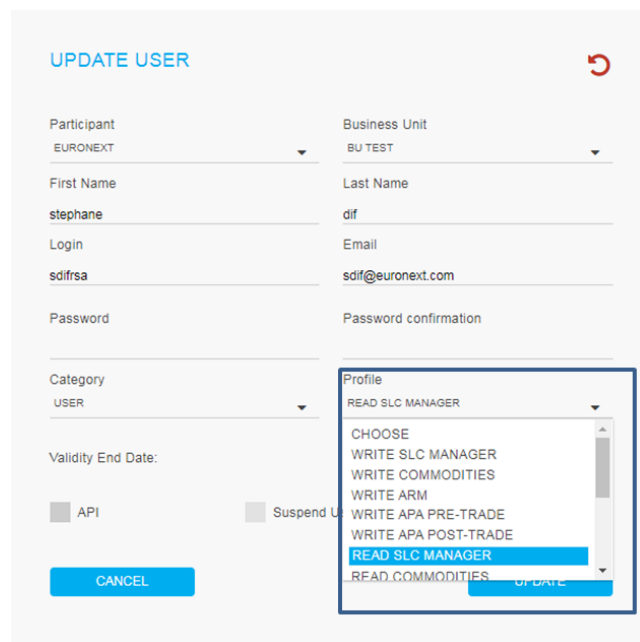
Note that:

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.

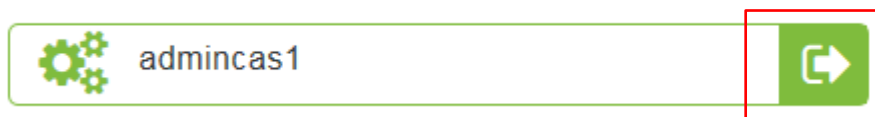
3.7.4 Assign Profile

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



3.8 LOGGING OUT

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

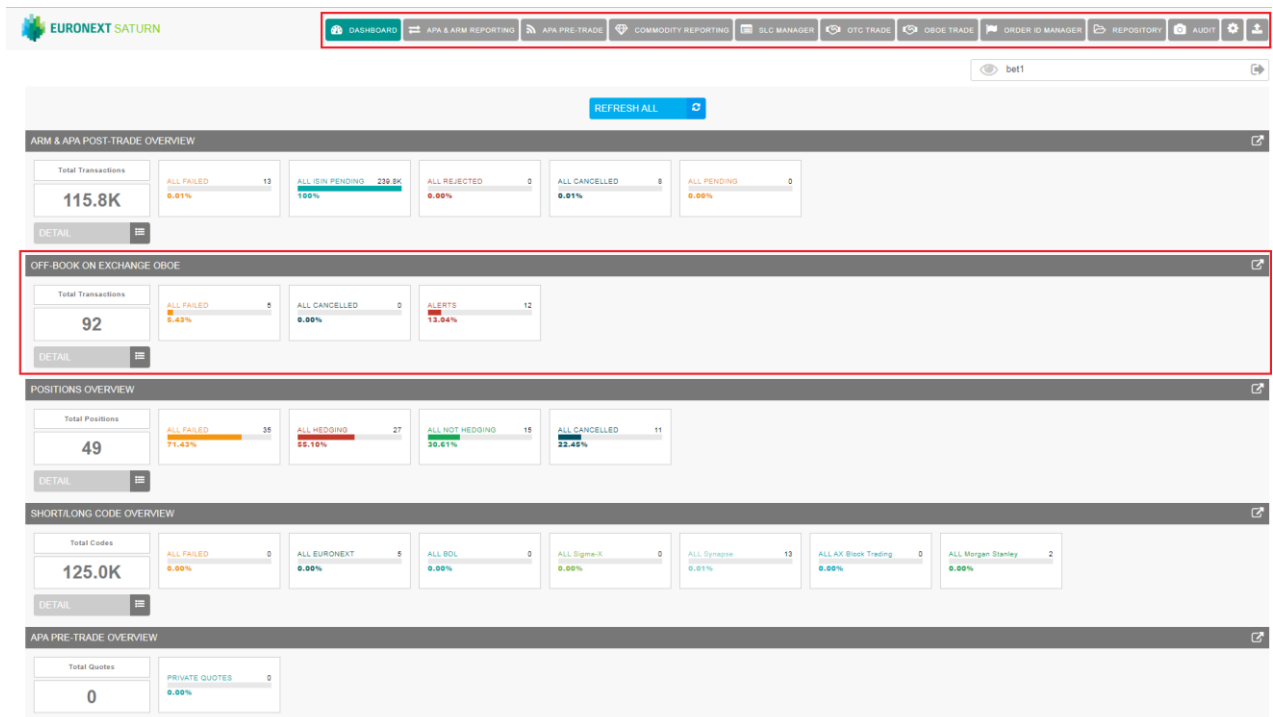


4. USER INTERFACE

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 :

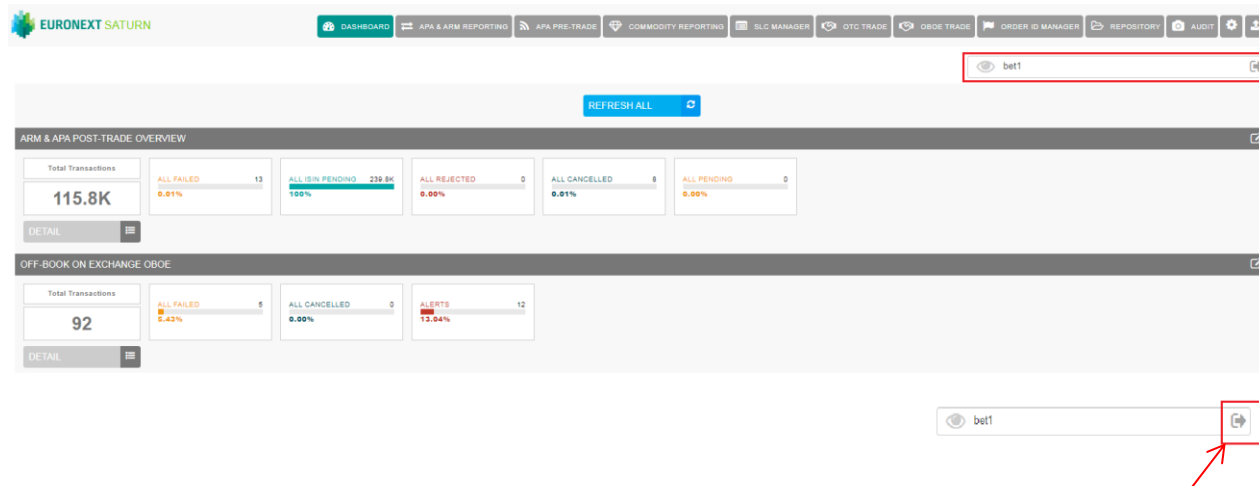


Note that the Home page is dependent on the services subscribed to, i.e.:

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

4.2 LOGGING OUT

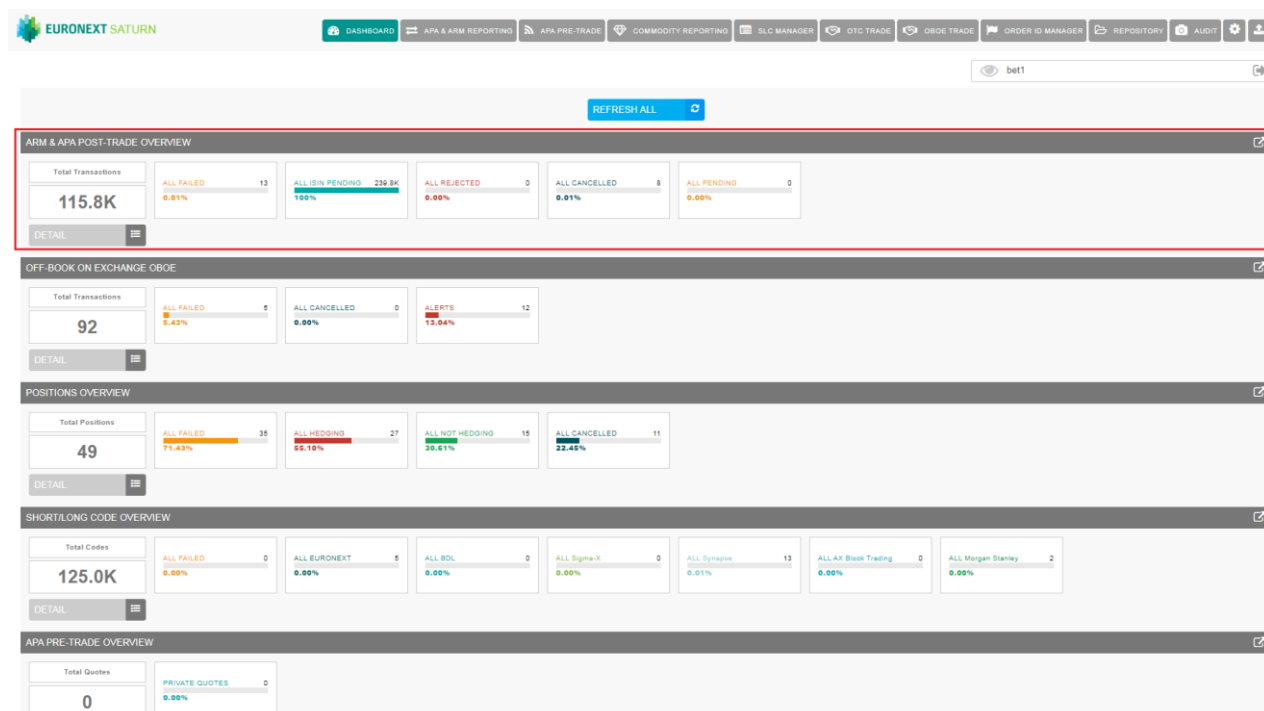
To log out, click on the **LOGOUT** icon on the right side of screen:



4.3 TRANSACTION REPORTING & APA

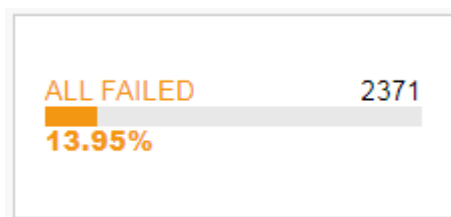
After connecting to the Saturn application, the Dashboard page appears. This page provides a global view of all services to which the user is entitled.

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
	CLB47MFP1071400000000	2	1	2017-10-10 10:10:10	200000	10.10	AD404191000000	0000000000	10.10	BUY	34000017LCHP40000	APA
	CLB47MFP1071400000000	3	1	2017-10-10 10:10:10	200000	10.10	AD404191000000	0000000000	10.10	BUY	34000017LCHP40000	APA
	CLB47MFP1071400000000	4	1	2017-10-10 10:10:10	200000	10.10	AD404191000000	0000000000	10.10	BUY	34000017LCHP40000	APA
	CLB47MFP1071400000000	5	1	2017-10-10 10:10:10	200000	10.10	AD404191000000	0000000000	10.10	BUY	34000017LCHP40000	APA
	CLB47MFP1071400000000	6	1	2017-10-10 10:10:10	200000	10.10	AD404191000000	0000000000	10.10	BUY	34000017LCHP40000	APA
	CLB47MFP1071400000000	7	1	2017-10-10 10:10:10	200000	10.10	AD404191000000	0000000000	10.10	BUY	34000017LCHP40000	APA
	CLB47MFP1071400000000	8	1	2017-10-10 10:10:10	200000	10.10	AD404191000000	0000000000	10.10	BUY	34000017LCHP40000	APA
	CLB47MFP1071400000000	9	1	2017-10-10 10:10:10	200000	10.10	AD404191000000	0000000000	10.10	BUY	34000017LCHP40000	APA
	CLB47MFP1071400000000	10	1	2017-10-10 10:10:10	200000	10.10	AD404191000000	0000000000	10.10	BUY	34000017LCHP40000	APA
	CLB47MFP1071400000000	11	1	2017-10-10 10:10:10	200000	10.10	AD404191000000	0000000000	10.10	BUY	34000017LCHP40000	APA
	CLB47MFP1071400000000	12	1	2017-10-10 10:10:10	200000	10.10	AD404191000000	0000000000	10.10	BUY	34000017LCHP40000	APA
	CLB47MFP1071400000000	13	1	2017-10-10 10:10:10	200000	10.10	AD404191000000	0000000000	10.10	BUY	34000017LCHP40000	APA
	CLB47MFP1071400000000	14	1	2017-10-10 10:10:10	200000	10.10	AD404191000000	0000000000	10.10	BUY	34000017LCHP40000	APA
	CLB47MFP1071400000000	15	1	2017-10-10 10:10:10	200000	10.10	AD404191000000	0000000000	10.10	BUY	34000017LCHP40000	APA
	CLB47MFP1071400000000	16	1	2017-10-10 10:10:10	200000	10.10	AD404191000000	0000000000	10.10	BUY	34000017LCHP40000	APA
	CLB47MFP1071400000000	17	1	2017-10-10 10:10:10	200000	10.10	AD404191000000	0000000000	10.10	BUY	34000017LCHP40000	APA
	CLB47MFP1071400000000	18	1	2017-10-10 10:10:10	200000	10.10	AD404191000000	0000000000	10.10	BUY	34000017LCHP40000	APA
	CLB47MFP1071400000000	19	1	2017-10-10 10:10:10	200000	10.10	AD404191000000	0000000000	10.10	BUY	34000017LCHP40000	APA
	CLB47MFP1071400000000	20	1	2017-10-10 10:10:10	200000	10.10	AD404191000000	0000000000	10.10	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

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.

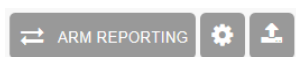
After clicking the **“RUN”** button, the filtered list will appear:

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

- 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

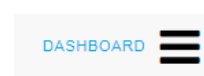
The Saturn application provides the ability to **manually** import transaction or trade publication reports by uploading CSV files.

Users must pay attention to the following limitations:

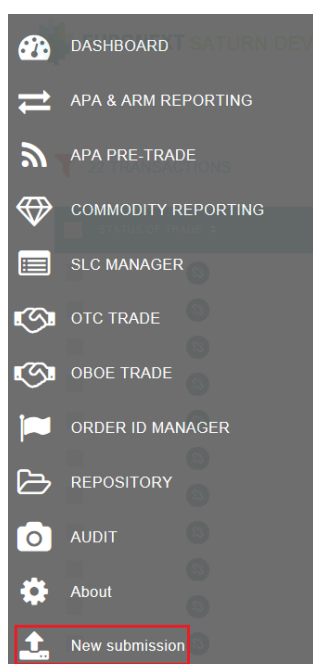
- Up to five (5) CSV files can be uploaded concomitantly;
- Each file cannot exceed 1Mo, i.e. around 1700 transaction reports.

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

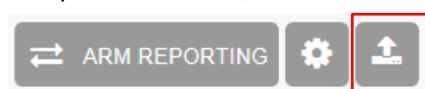
To upload a CSV file click on the menu (**For members with full access**) : **“New submission”**:



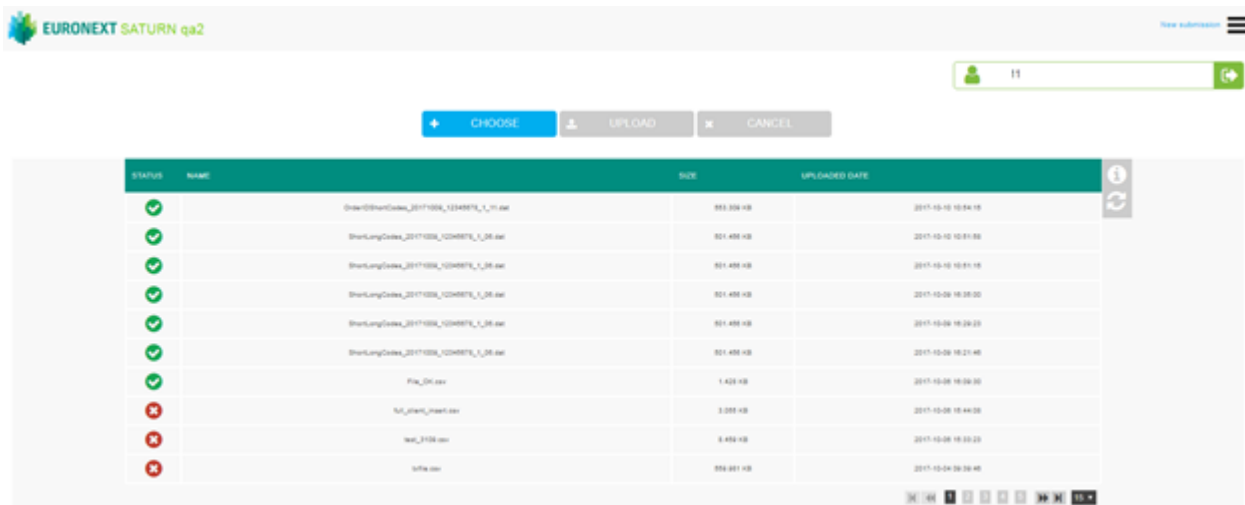
then select



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.

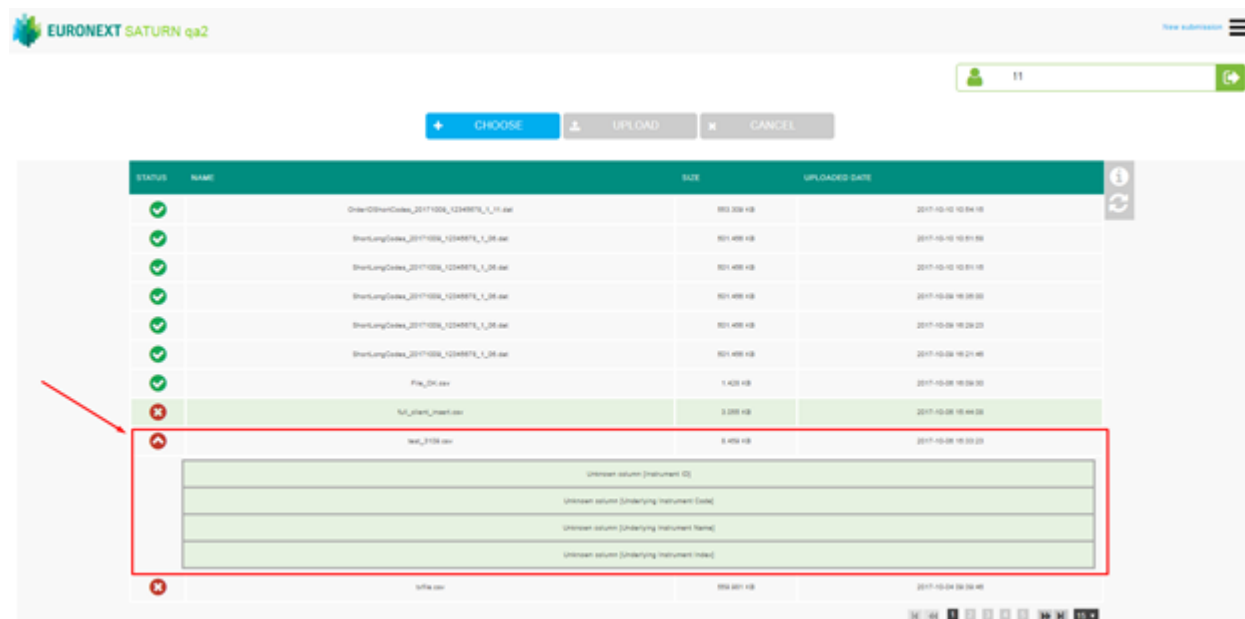
2. To upload the CSV files, click on the “**UPLOAD**” button.

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

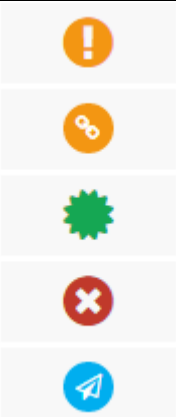
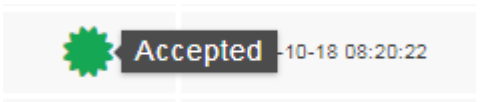

5.1 TRANSACTION REPORT CONSULTATION

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

The screenshot displays the '15997 TRANSACTIONS' table in the Saturn application. The table has columns for: SELECT COLUMN TO DISPLAY, FREE SEARCH, and a list of transactions. Each transaction row includes a selection icon, transaction reference number, origin, status (indicated by a colored circle: orange for error, blue for success), date, quantity, side, security ID, price, bid, business unit, executing entity ID, and TO TYPE. The transactions are listed in descending order of date.


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"> - One line for manual modification - One or multiple lines for single or multiple cancellations
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	RTS 22, ref. 30	Total transaction quantity.
INSTRUMENT ID		RTS 22, ref. 41	Code used to identify the financial instrument. (ISIN)
PRICE	decimal	RTS 22, ref. 33	Transaction Price.
VENUE	MIC code	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	RTS 22, ref. 4	Code used to identify the entity executing the transaction (LEI)
TRANSACTION REFERENCE NUMBER	alphanum	RTS 22, ref. 2	Identification number that is unique to the executing firm for each transaction report.

The window offers additional information and features:

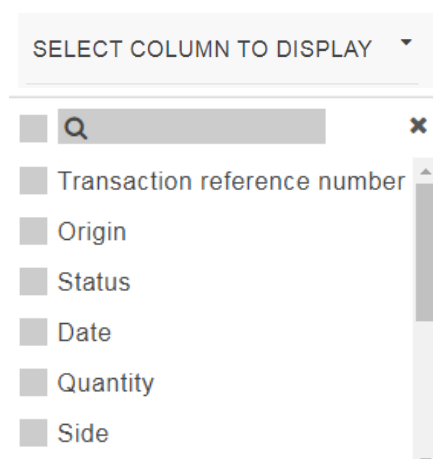
- A “Free Search” field allows for the possibility to search information from Free text fields:










- 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":

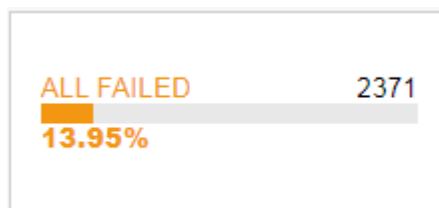
STATUS		DESCRIPTION
Euronext Statuses		
Checked		Compliant Transaction
Checked & Ready		Compliant Transaction after Client validation - Checked & Ready
Wait for check		Transaction is waiting to be checked
Sent		Transaction is sent to regulator
Failed		Failed: Transaction contains errors. Failed transactions 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		Cancelled: 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.
NCA Statuses		
Received		Transaction received by the regulator
Rejected		Transaction has been rejected. This status is used in case the transaction has been rejected by the competent authorities.

Cancelled received		Cancel transaction request received at the regulator side
Cancelled accepted		Cancel transaction request accepted at the regulator side
Accepted		Transaction has been accepted by the competent authorities.

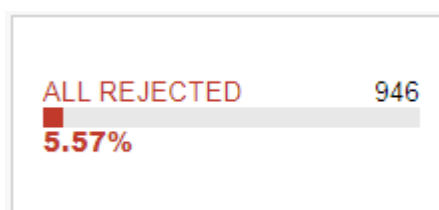
5.3 AMENDING A FAILED OR REJECTED TRANSACTION

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:



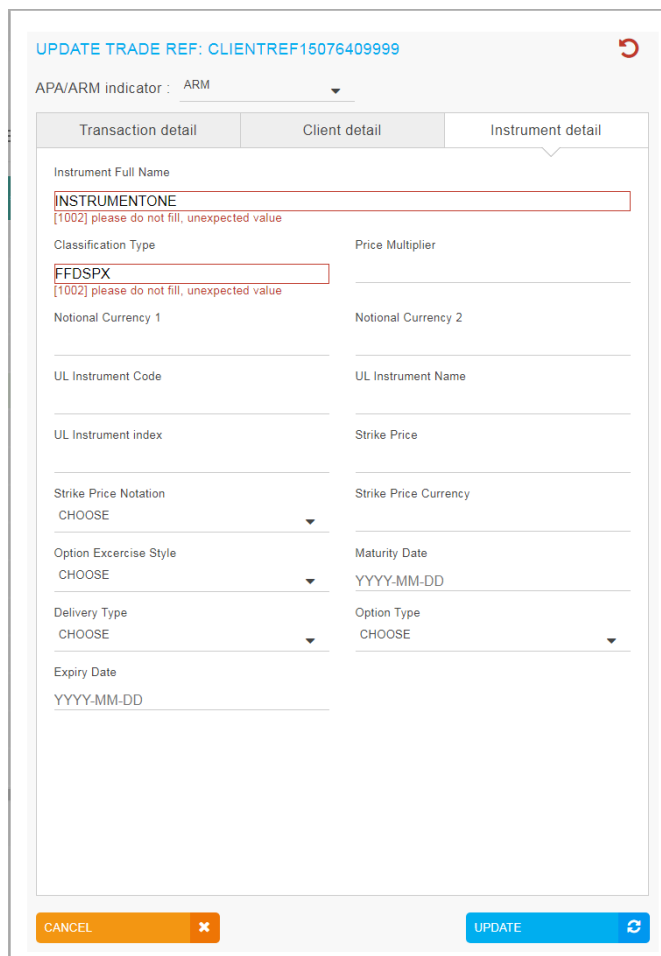
- Otherwise, from the detailed transaction report view based on user's criteria.
 - 1- Select the transaction to amend. Please note that manual transaction amendment in the Saturn application can only be done for one transaction at a time. Mass corrections can only be done via the Web Service:

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

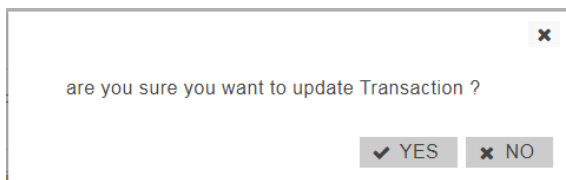
- 2- Choose the transaction to amend by checking the checkbox  on the left of the screen or by clicking in the transaction's line.

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:

UPDATE TRADE REF: CLIENTREF15076409999

APA/ARM indicator : ARM

Transaction detail	Client detail	Instrument detail
Trade Ref		
CLIENTREF15076409999		
Trade Id		
TRADINGVENUECKUK4088417888		
Executing Firm		
549300I2Y1L		
<small>'549300I2Y1L' field should match the pattern [a-z0-9]{18,18}[0-9]{2,2}</small>		
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	

CANCEL
UPDATE

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:

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

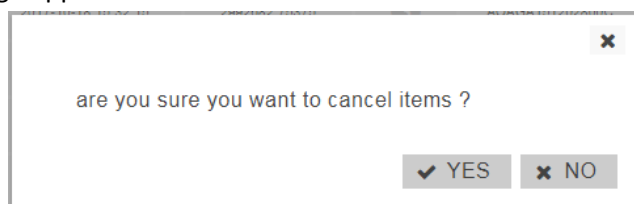


Choose the transactions to cancel by checking the checkbox on the left of the screen.




- 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 :

[illegible]

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:

ID	TRANSACTION REFERENCE NUMBER	COUNTRY	STATUS	DATE	QUANTITY	SIDE	SECURITY ID	PRICE	SEC	BUSINESS UNIT	EXECUTING ENTITY ID
1	784020000	3	1	2017-05-27 11:22:12		1			40	BU1	784020000
2	784020000	3	1	2017-05-28 11:22:12		1			40	BU1	784020000
3	784020000	3	1	2017-05-28 11:22:12	1000000	1	ACASA101000000	1000000	1000	BU1	784020000
4	784020000	3	1	2017-05-28 11:22:12	1000000	1	ACASA101000000	1000000	1000	BU1	784020000
5	784020000	3	1	2017-05-28 11:22:12	1000000	1	ACASA101000000	1000000	1000	BU1	784020000
6	784020000	3	1	2017-05-28 11:22:12	1000000	1	ACASA101000000	1000000	1000	BU1	784020000
7	784020000	3	1	2017-05-28 11:22:12	1000000	1	ACASA101000000	1000000	1000	BU1	784020000
8	784020000	3	1	2017-05-28 11:22:12	1000000	1	ACASA101000000	1000000	1000	BU1	784020000
9	784020000	3	1	2017-05-28 11:22:12	1000000	1	ACASA101000000	1000000	1000	BU1	784020000
10	784020000	3	1	2017-05-28 11:22:12	1000000	1	ACASA101000000	1000000	1000	BU1	784020000
11	784020000	3	1	2017-05-28 11:22:12	1000000	1	ACASA101000000	1000000	1000	BU1	784020000
12	784020000	3	1	2017-05-28 11:22:12	1000000	1	ACASA101000000	1000000	1000	BU1	784020000
13	784020000	3	1	2017-05-28 11:22:12	1000000	1	ACASA101000000	1000000	1000	BU1	784020000
14	784020000	3	1	2017-05-28 11:22:12	1000000	1	ACASA101000000	1000000	1000	BU1	784020000
15	784020000	3	1	2017-05-28 11:22:12	1000000	1	ACASA101000000	1000000	1000	BU1	784020000
16	784020000	3	1	2017-05-28 11:22:12	1000000	1	ACASA101000000	1000000	1000	BU1	784020000
17	784020000	3	1	2017-05-28 11:22:12	1000000	1	ACASA101000000	1000000	1000	BU1	784020000
18	784020000	3	1	2017-05-28 11:22:12	1000000	1	ACASA101000000	1000000	1000	BU1	784020000
19	784020000	3	1	2017-05-28 11:22:12	1000000	1	ACASA101000000	1000000	1000	BU1	784020000
20	784020000	3	1	2017-05-28 11:22:12	1000000	1	ACASA101000000	1000000	1000	BU1	784020000



Two types of views are available:

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

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



To edit a transaction:

-  Choose the transaction 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 TRADE REF: CLIENTREF1507640532525
↺

APA/ARM indicator : ARM

Transaction detail	Client detail	Instrument detail
Trade Ref CLIENTREF1507640532525		
Trade Id TRADINGVENUECKUK4088417888		
Executing Firm 549300I2Y1LCN3FHSB30		
Instrument Id AOAGA151202800C	Venue TNLB	
Price 663405.64906	Quantity 2992682.75375	
Net Amount 184474.10494	Side SELL	
Transmission Order FALSE	Country Branch Membership PT	
Trading Capacity 1 DEAL	Trading Capacity 2 DEAL	
Buyer Firm Id	Seller Firm Id	
Up Front Payment 548102	Up Front Payment Currency GBP	
Investment Decision Within Firm FR000000000ZA#C#ZA#C#	Investment Decision National ID Type CONCAT	
Investment Decision Within Firm type NATIONAL ID	Country Of Investor 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 Status report page. At the top, there is a header with the Euronext logo and 'SATURN q&2'. Below the header, there is a search bar labeled 'FREE SEARCH' and a 'FILTER' button. The main section is titled '1697 TRANSACTIONS' and contains a 'SELECT COLUMN TO DISPLAY' dropdown. Below this, there are several filter criteria sections, each with a dropdown menu for selection:

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

At the bottom of the filter section, there is a 'CLEAR FILTERS' button and a 'RUN' button. Below the filters, there is a table of transactions with columns for various fields including Trade Ref, Side, Security ID, MIC, Traded Price, Deferral Indicator, Entering Counterpart, User, Status, Business Unit, Transaction Price Type, and Executing Broker. The table contains 10 rows of data.

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 CHOOSE		
Transmission Order CHOOSE	Country Branch Membership		
Trading Capacity 1 CHOOSE	Trading Capacity 2 CHOOSE		
Buyer Firm Id	Seller Firm Id		
Up Front Payment	Up Front Payment Currency		
Investment Decision Within Firm	Investment Decision National ID Type CHOOSE		
Investment Decision Within Firm type CHOOSE	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
							CLIENT'S DETAIL			
							Seller Id Code Seller Country Branch Seller First Name Seller Last Name	549300I2Y1LCN3FHSB30 FR SELLER SELLER	FALSE FALSE FALSE FALSE	FALSE FALSE FALSE FALSE
							Buyer Id Code Buyer Country Branch Buyer First Name Buyer Last Name	549300I2Y1LCN3FHSB30 FR BUYER BUYER	FALSE FALSE FALSE FALSE	FALSE FALSE FALSE FALSE

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.

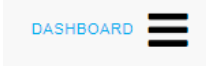
- **For Internal trades** (i.e. Trades executed on Euronext Market) the key data to be used are :
 - *Executing entity ID*
 - *Transaction reference number*
- **For External trades** (i.e. Trades executed on another trading venue) the key data are :
 - *Executing entity ID*
 - *Side*
 - *Trading venue 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 APA APA & ARM		

CLEAR ITEMS
RUN

Only APA transactions are displayed:






[illegible]

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.

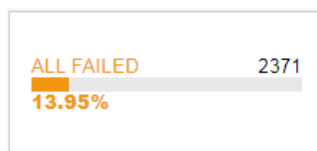
As soon as a transaction is received by Saturn whatever the format (FIXML, JSON, XML or CSV), it is processed in real-time by the Saturn Check Module. This module performs all the regulatory consistency checks as required by ESMA. As a result of this validation, a first status is sent back to the user. 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
<u>Euronext Statutes</u>		
Checked & Ready		Compliant Transaction after Client validation - Checked & Ready
Wait for check		Transaction is waiting to be checked
Sent		Transaction is sent to Market Data
Failed		<p>Failed: 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>
Cancelled		Cancelled: transaction cancelled before being sent

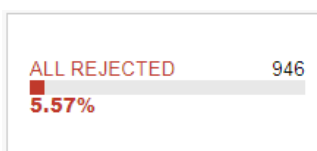
6.3 AMENDING A FAILED OR REJECTED TRANSACTION

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

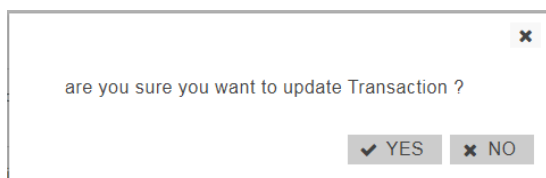
Instrument detail

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

CANCEL
UPDATE

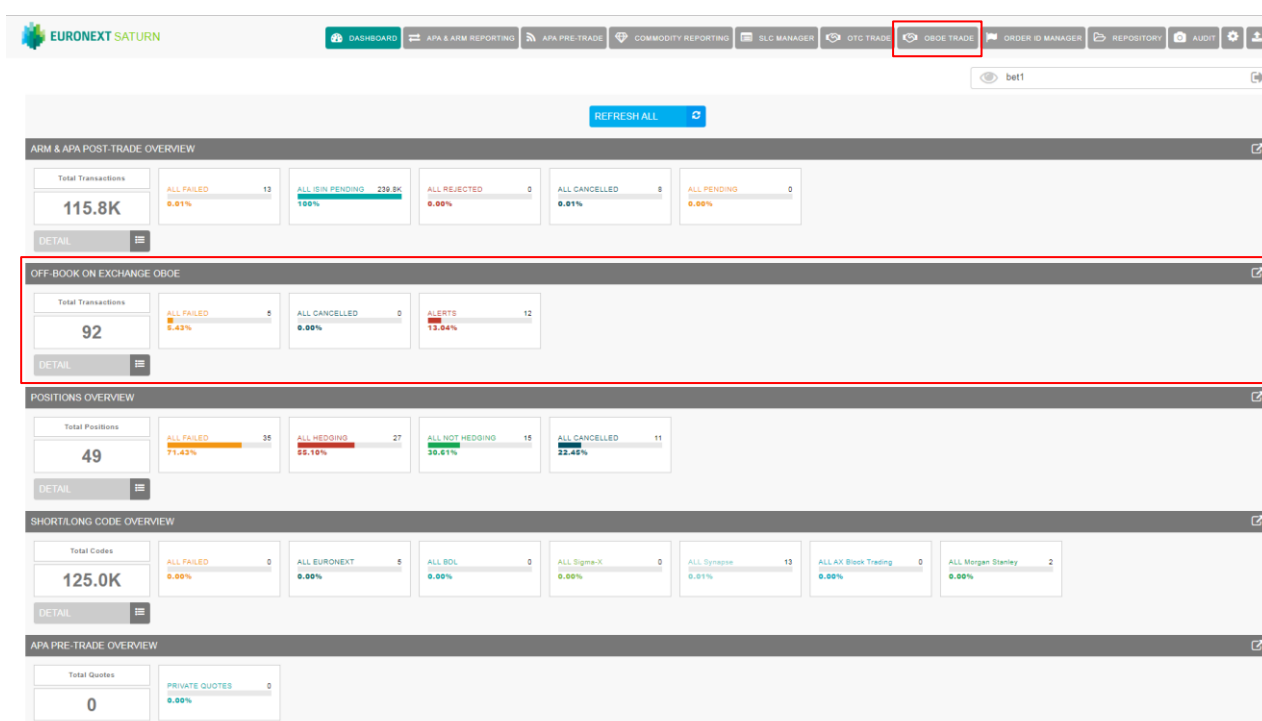
7. OFF BOOK ON EXCHANGE (OBOE) FOR MEMBERS PROFILE

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

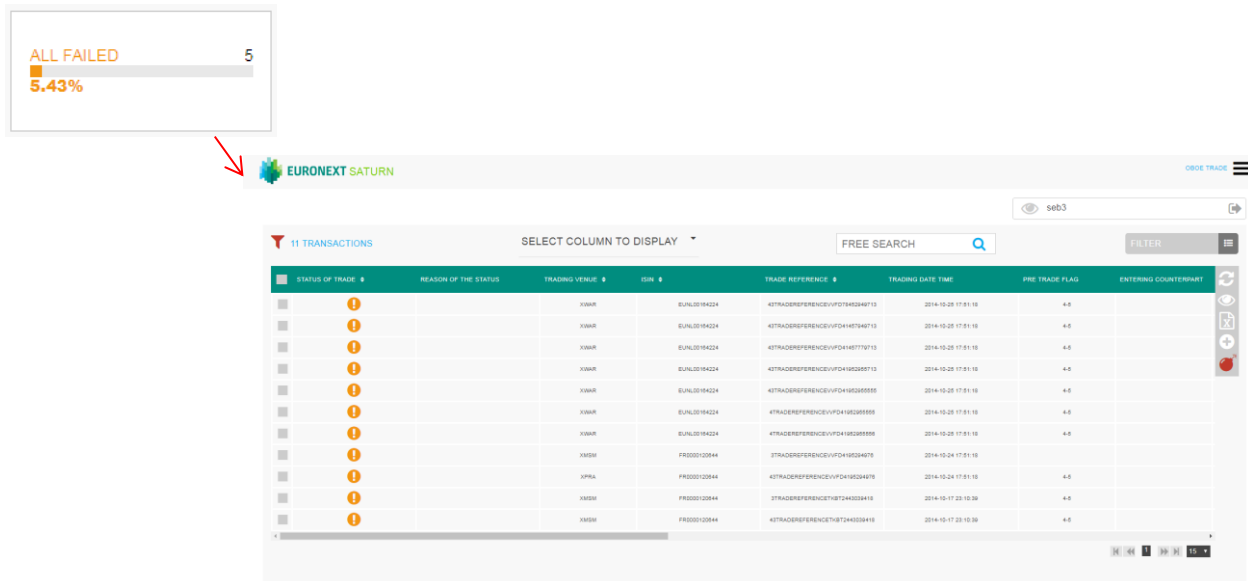
3 ITEMS

FILTER

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

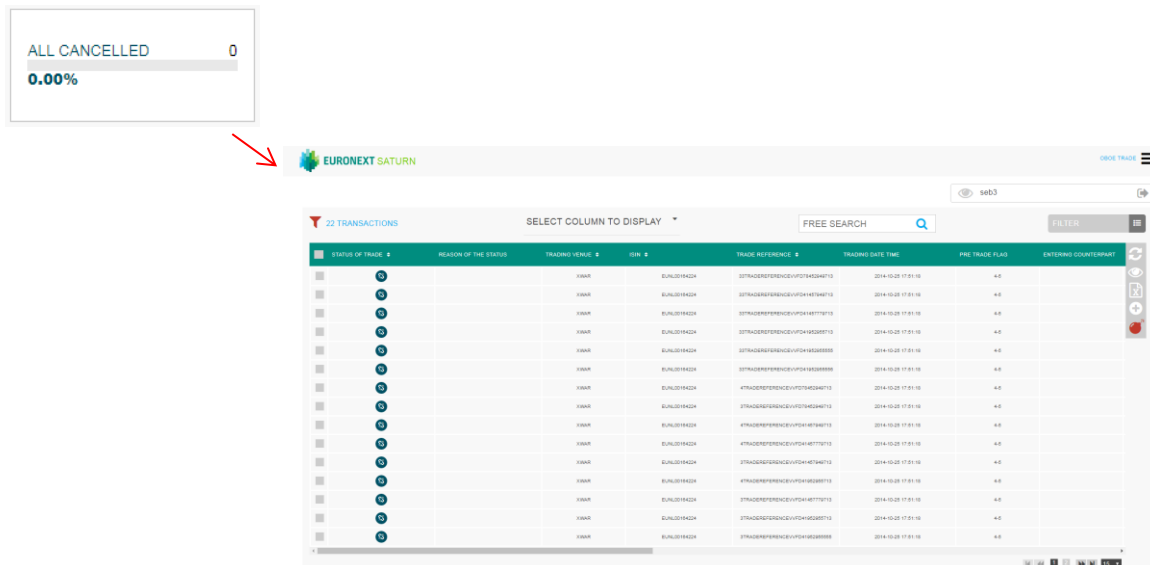
- **ALL FAILED Block :**

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



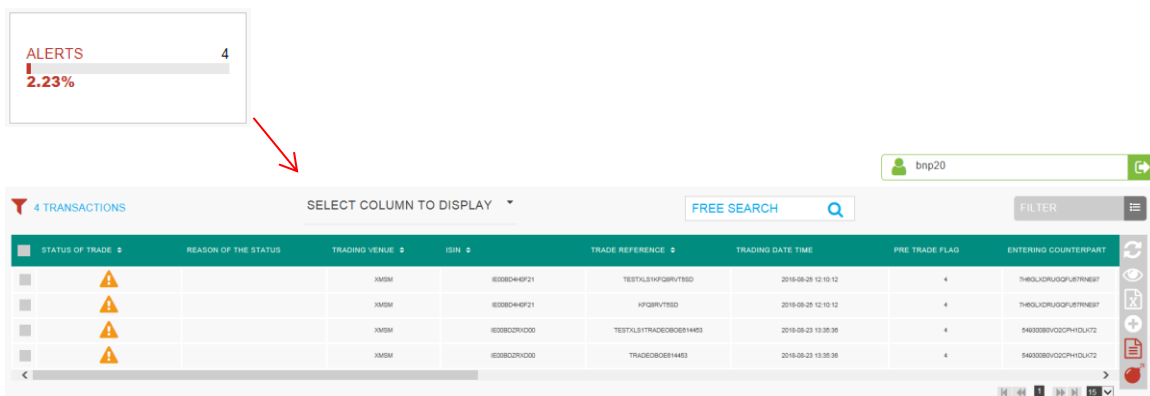
- **ALL CANCELLED Block :**

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



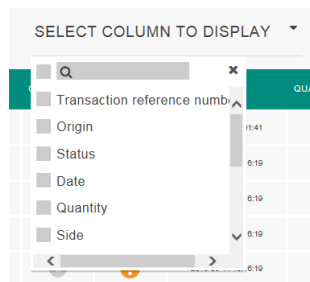
- **ALERTS Block :**

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



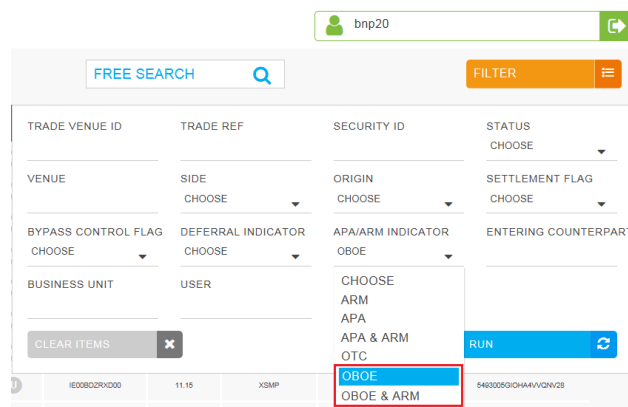
- **Column to display :**

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:

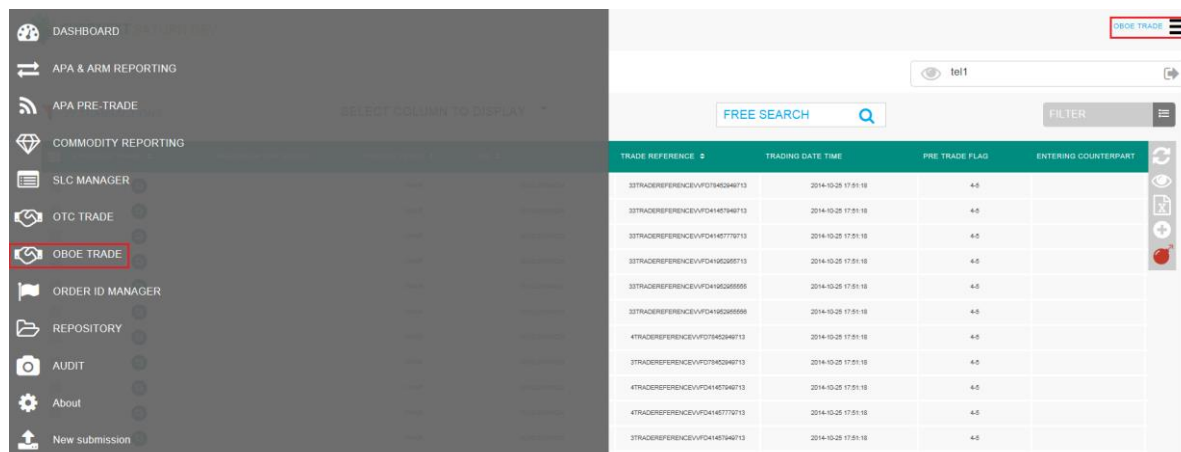
- Trade Venue ID
- Trade Ref
- Security ID
- Status
- Venue
- Side
- Origin
- Settlement Flag
- ByPass Control Flag
- Deferral Indicator
- Entering Counterpart
- Business Unit
- User
- Trading Date Time

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 :**

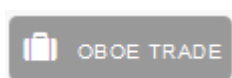
The top right of the Saturn Home page contains the main menu from where a selection of the following services can be made (based on subscription and profile):



The following services are :

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

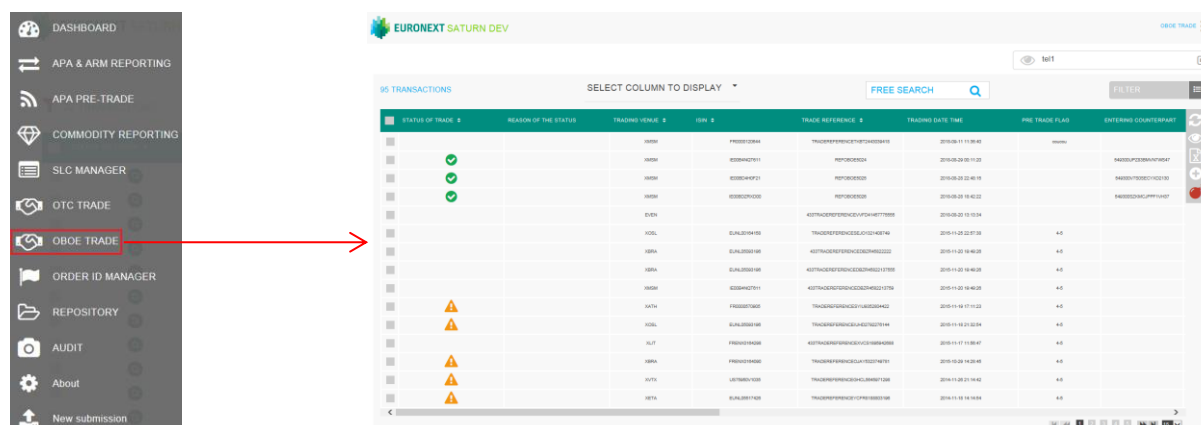
- For members with restricted access the services are shown in tabs at the top of the screen:



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
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	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	alphanumeric	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

The window offers additional information and features:

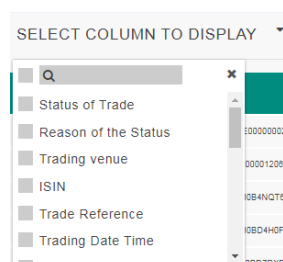
- A “Free Search” field allows the possibility to search information from Free text fields:












- 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.

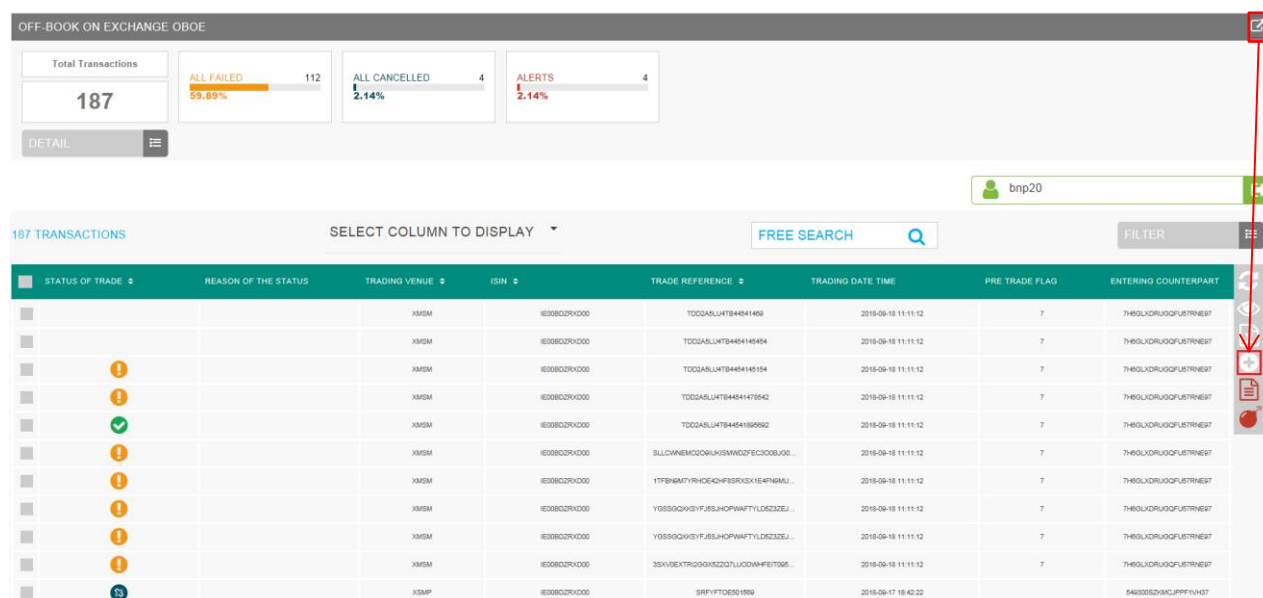
Status referring to this validation can be referred to “*Euronext Status*”.

STATUS		DESCRIPTION
Euronext Status		
Checked & Ready		Compliant Transaction after Client validation - Checked & Ready
Failed		Failed: 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		Cancelled: transaction cancelled before being sent
Warning		Warning: 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	SRFYFT0801599	2018-09-17 18:42:22		549300WCGB70D06XZS54
<input type="checkbox"/>		XSNP	IE00B0ZRV000	SRFYFT0801548	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	SRFYFT08015146	2018-09-17 08:42:22		549300WCGB70D06XZS54
<input type="checkbox"/>		XSNP	IE00B0ZRV000	SRFYFT08015146	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: IE00BD4H0F21

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

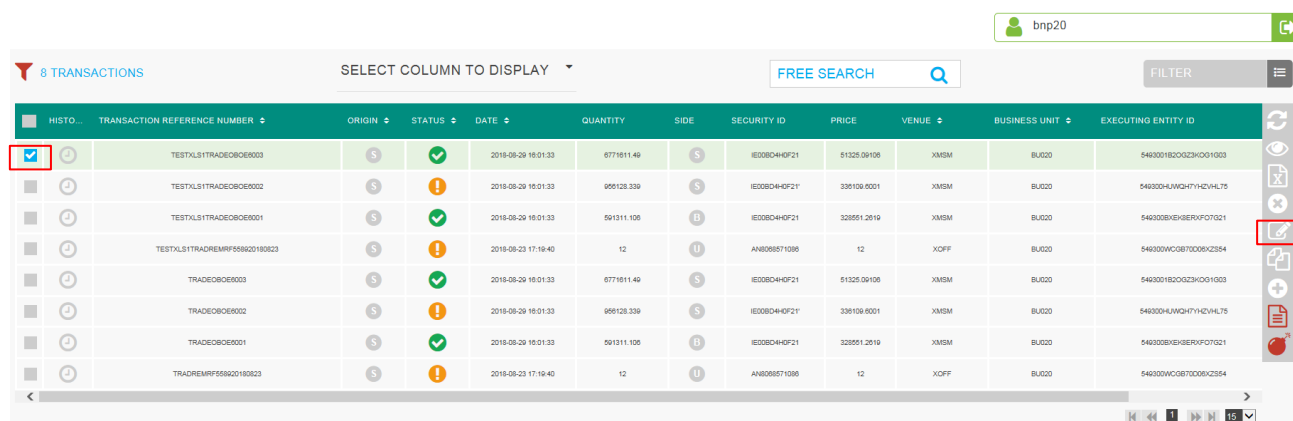
Click “**YES**” to confirm the operation and the transaction will be updated, or “**NO**” to cancel.

7.5.2 Amendment of OBOE + ARM Transaction


To amend a transaction, do the following :

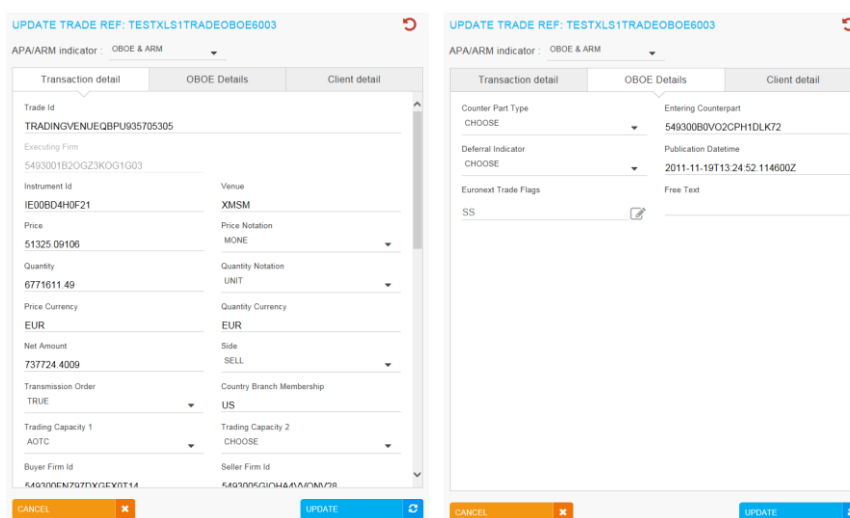
For a “Failed” , “Warning” or “Check & Ready” , it is recommended to click on the icon  on the section “APA & ARM Reporting” from the dashboard page to list all transactions.

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	IE00B04HGF21	51325.09106	XMSM	BU020	5463001820GZ3KOG1G03
<input type="checkbox"/>	TESTXLS1TRADEOBOE6002	S	!	2019-08-29 16:01:33	666128.339	S	IE00B04HGF21	338106.6001	XMSM	BU020	5463004JWGH7YKZV4L75
<input type="checkbox"/>	TESTXLS1TRADEOBOE6001	S	✓	2019-08-29 16:01:33	591311.108	B	IE00B04HGF21	328551.2619	XMSM	BU020	5463008BEXERXFO7Q21
<input type="checkbox"/>	TESTXLS1TRADEMPF558620180823	S	!	2019-08-23 17:19:40	12	U	AN8086571086	12	XOFF	BU020	5463009WC87D06K2354
<input type="checkbox"/>	TRADEOBOE6003	S	✓	2019-08-29 16:01:33	6771611.49	S	IE00B04HGF21	51325.09106	XMSM	BU020	5463001820GZ3KOG1G03
<input type="checkbox"/>	TRADEOBOE6002	S	!	2019-08-29 16:01:33	666128.339	S	IE00B04HGF21	338106.6001	XMSM	BU020	5463004JWGH7YKZV4L75
<input type="checkbox"/>	TRADEOBOE6001	S	✓	2019-08-29 16:01:33	591311.108	B	IE00B04HGF21	328551.2619	XMSM	BU020	5463008BEXERXFO7Q21
<input type="checkbox"/>	TRADEMPF558620180823	S	!	2019-08-23 17:19:40	12	U	AN8086571086	12	XOFF	BU020	5463009WC87D06K2354

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

APA/ARM indicator : OBOE & ARM

Transaction detail

Trade Id

TRADINGVENUEQBPU935705305

Executing Firm

5493001820GZ3KOG1G03

Instrument Id

IE00B04HGF21

Price

51325.09106

Quantity

6771611.49

Price Currency

EUR

Net Amount

737724.4009

Transmission Order

TRUE

Trading Capacity 1

AOTC

Buyer Firm Id

5493001820GZ3KOG1G03

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

5493001820GZ3KOG1G03

Client detail

UPDATE

CANCEL

UPDATE TRADE REF: TESTXLS1TRADEOBOE6003

APA/ARM indicator : OBOE & ARM

Transaction detail

Counter Part Type

CHOOSE

Deferral Indicator

CHOOSE

Euromex Trade Flags

SS

OBOE Details

Entering Counterpart

5493008BVOZCPH1DLK72

Publication Date

2011-11-19T13:24:52.114600Z

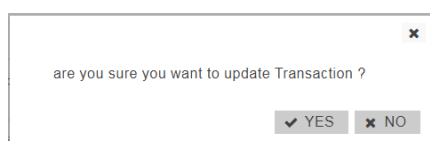
Free Text

Client detail

UPDATE

CANCEL

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



are you sure you want to update Transaction ?


✓ YES

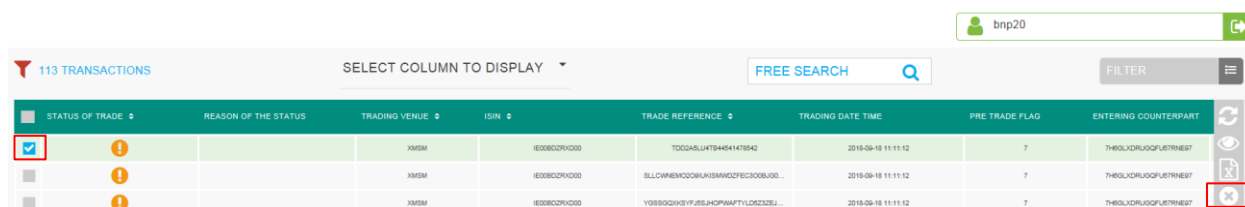
✗ NO

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. 

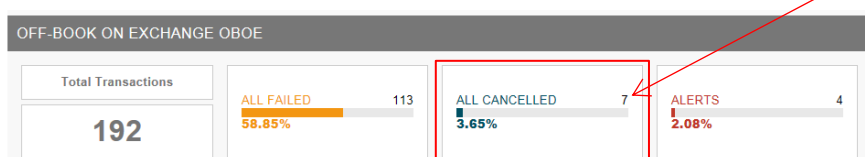



STATUS OF TRADE	REASON OF THE STATUS	TRADING VENUE	ISIN	TRADE REFERENCE	TRADING DATE TIME	PRE TRADE FLAG	ENTERING COUNTERPART
<input checked="" type="checkbox"/>	!	XISM	IE00B02RYV00	T002ASL4T84454147842	2018-09-18 11:11:12	7	THBOLXDRUQFUTRNE97
<input type="checkbox"/>	!	XISM	IE00B02RYV00	SLL0WNEK0208U8V8M02FC008U00...	2018-09-18 11:11:12	7	THBOLXDRUQFUTRNE97
<input type="checkbox"/>	!	XISM	IE00B02RYV00	Y085GQKX5YFJ5LH0P8W7YLD0232EJ...	2018-09-18 11:11:12	7	THBOLXDRUQFUTRNE97

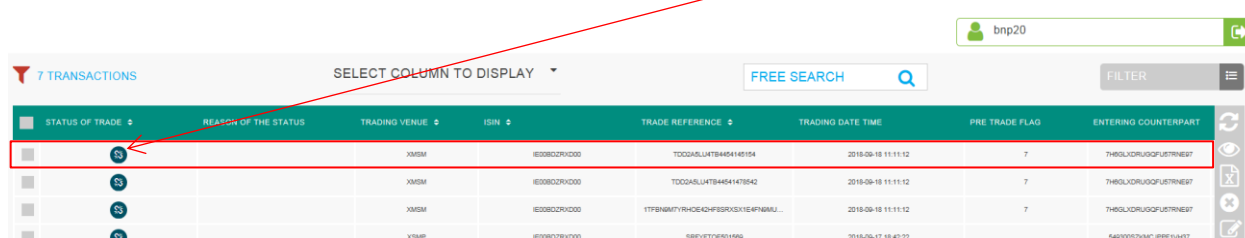
Click on the cancel icon  from the contextual menu in the right part of screen. A confirmation message will appear :





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	IE00B02RYV00	T002ASL4T84454147842	2018-09-18 11:11:12	7	THBOLXDRUQFUTRNE97
		XISM	IE00B02RYV00	T002ASL4T84454147842	2018-09-18 11:11:12	7	THBOLXDRUQFUTRNE97
		XISM	IE00B02RYV00	1TFBNM7YRHOE42F83RX31E4F8M0U...	2018-09-18 11:11:12	7	THBOLXDRUQFUTRNE97
		XBMP	IE00B02RYV00	SAPFPT0801986	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

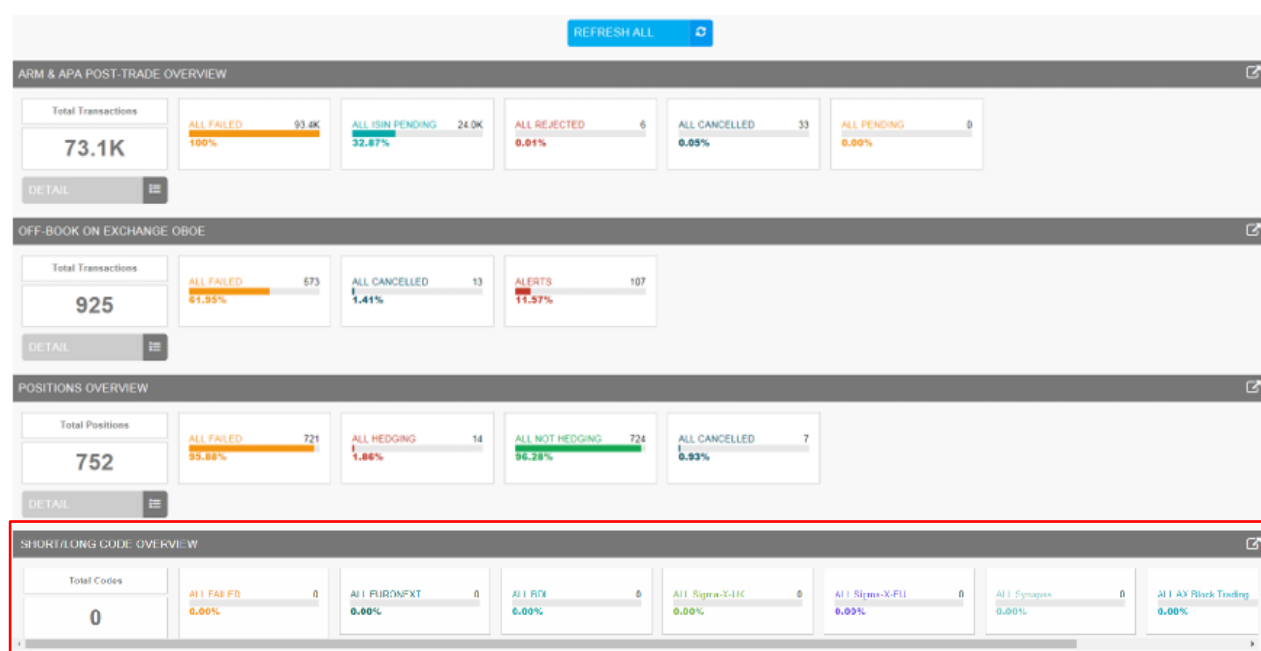
Click on the “**RUN**” button to apply selected filters.

9. SHORT-LONG CODES MANAGEMENT SERVICES

9.1 DASHBOARD

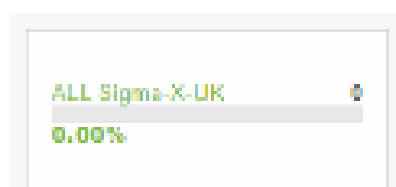
After connecting to Saturn application, the Dashboard page appears. This page gives a global view of all services to which the user is entitled.

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	LONG000001	2017-11-01 10:01	✓	Execution Order Price as a National ID	Eurocent	2018-10-01	2024-09-14	
12	LONG000002	2017-11-01 10:01	✓	Investment Decision Order Price as a National ID	Eurocent	2018-10-01	2024-09-14	
14	LONG000003	2017-11-01 10:01	✓	Investment Decision Order Price as a National ID	Eurocent	2018-10-01	2024-09-14	
16	LONG000004	2017-11-01 10:01	✓	Execution Order Price as a National ID as a PHLX	Eurocent	2017-11-01		
18	LONG000005	2017-11-01 10:01	✓	Execution Order Price as a National ID as a PHLX	Eurocent	2017-11-01		
20	LONG000006	2017-11-01 10:01	✓	Execution Order Price as a National ID as a PHLX	Eurocent	2017-11-01		
22	LONG000007	2017-11-01 10:01	✓	Execution Order Price as a National ID as a PHLX	Eurocent	2017-11-01		
24	LONG000008	2017-11-01 10:01	✓	Execution Order Price as a National ID as a PHLX	Eurocent	2017-11-01		
26	LONG000009	2017-11-01 10:01	✓	Execution Order Price as a National ID as a PHLX	Eurocent	2017-11-01		
28	LONG000010	2017-11-01 10:01	✓	Execution Order Price as a National ID as a PHLX	Eurocent	2017-11-01		
30	LONG000011	2017-11-01 10:01	✓	Execution Order Price as a National ID as a PHLX	Eurocent	2017-11-01		
32	LONG000012	2017-11-01 10:01	✓	Execution Order Price as a National ID as a PHLX	Eurocent	2017-11-01		
34	LONG000013	2017-11-01 10:01	✓	Execution Order Price as a National ID as a PHLX	Eurocent	2017-11-01		
36	LONG000014	2017-11-01 10:01	✓	Execution Order Price as a National ID as a PHLX	Eurocent	2017-11-01		
38	LONG000015	2017-11-01 10:01	✓	Execution Order Price as a National ID as a PHLX	Eurocent	2017-11-01		
40	LONG000016	2017-11-01 10:01	✓	Execution Order Price as a National ID as a PHLX	Eurocent	2017-11-01		
42	LONG000017	2017-11-01 10:01	✓	Execution Order Price as a National ID as a PHLX	Eurocent	2017-11-01		
44	LONG000018	2017-11-01 10:01	✓	Execution Order Price as a National ID as a PHLX	Eurocent	2017-11-01		
46	LONG000019	2017-11-01 10:01	✓	Execution Order Price as a National ID as a PHLX	Eurocent	2017-11-01		
48	LONG000020	2017-11-01 10:01	✓	Execution Order Price as a National ID as a PHLX	Eurocent	2017-11-01		
50	LONG000021	2017-11-01 10:01	✓	Execution Order Price as a National ID as a PHLX	Eurocent	2017-11-01		

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 SLC: 0.00%

ALL Sigma-X-UK: 0.00%

ALL Sigma-X-EU: 0.00%

ALL Success: 0.00%

ALL AX Elect Trading: 0.00%

17 ITEMS

STATUS	TOTAL	DATE	MARKET TYPE	USER	PARTICIPANT ID	PARTICIPANT COMMERCIAL NAME
✓	10021	2017-10-01	Eurocent	imp11	0000079	
✓	26	2017-10-01	Sigma-X	imp20	0000079	
✓	10	2017-10-01	Eurocent	imp20	0000079	
✓	8	2017-10-01	Luxembourg	imp20	0000079	
✓	3	2017-10-01	Eurocent	imp20	0000079	

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 SLC: 0.00%

ALL Sigma-X-UK: 0.00%

ALL Sigma-X-EU: 0.00%

ALL Success: 0.00%

ALL AX Elect Trading: 0.00%

17 ITEMS

STATUS	TOTAL	DATE	MARKET TYPE	USER	PARTICIPANT ID	PARTICIPANT COMMERCIAL NAME
✓	10021	2017-10-01	Eurocent	imp11	0000079	
✓	26	2017-10-01	Sigma-X	imp20	0000079	
✓	10	2017-10-01	Eurocent	imp20	0000079	
✓	8	2017-10-01	Luxembourg	imp20	0000079	
✓	3	2017-10-01	Eurocent	imp20	0000079	

Filter options: DATE, STATUS, PARTICIPANT ID, MARKET TYPE

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	2017-10-27	Sigma-X	imp01	0000079	
✓	1	2017-10-26	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	2017-10-26 08:00:01	✓	Execution Order First as a National ID	Euronext	2018-10-26	2024-09-16	imp01
11	L2H40C0000P	2017-10-26 08:00:01	✓	Investment Decision Order First as a National ID	Euronext	2018-10-26	2024-09-16	imp01
12	L2H40C0000P	2017-10-26 08:00:01	✓	Investment Decision Order First as a National ID	Euronext	2018-10-26	2024-09-16	imp01
13	L2H40C0000P	2017-10-26 08:00:01	✓	Client Identification as a National ID as PMS	Euronext	2017-10-26	2024-09-16	imp01
14	L2H40C0000P	2017-10-26 08:00:01	✓	Client Identification as a National ID as PMS	Euronext	2017-10-26	2024-09-16	imp01
15	L2H40C0000P	2017-10-26 08:00:01	✓	Client Identification as a National ID as PMS	Euronext	2017-10-26	2024-09-16	imp01
16	L2H40C0000P	2017-10-26 08:00:01	✓	Execution Order First as a National ID	Sigma-X	2018-10-26	2024-09-16	imp01
17	L2H40C0000P	2017-10-26 08:00:01	✓	Execution Order First as a National ID	Sigma-X	2018-10-26	2024-09-16	imp01
18	L2H40C0000P	2017-10-26 08:00:01	✓	Execution Order First as a National ID	Sigma-X	2018-10-26	2024-09-16	imp01
19	L2H40C0000P	2017-10-26 08:00:01	✓	Execution Order First as a National ID	Sigma-X	2018-10-26	2024-09-16	imp01
20	L2H40C0000P	2017-10-26 08:00:01	✓	Execution Order First as a National ID	Sigma-X	2018-10-26	2024-09-16	imp01
21	L2H40C0000P	2017-10-26 08:00:01	✓	Execution Order First as a National ID	Sigma-X	2018-10-26	2024-09-16	imp01
22	L2H40C0000P	2017-10-26 08:00:01	✓	Execution Order First as a National ID	Sigma-X	2018-10-26	2024-09-16	imp01
23	L2H40C0000P	2017-10-26 08:00:01	✓	Execution Order First as a National ID	Sigma-X	2018-10-26	2024-09-16	imp01
24	L2H40C0000P	2017-10-26 08:00:01	✓	Execution Order First as a National ID	Sigma-X	2018-10-26	2024-09-16	imp01
25	L2H40C0000P	2017-10-26 08:00:01	✓	Execution Order First as a National ID	Sigma-X	2018-10-26	2024-09-16	imp01
26	L2H40C0000P	2017-10-26 08:00:01	✓	Execution Order First as a National ID	Sigma-X	2018-10-26	2024-09-16	imp01
27	L2H40C0000P	2017-10-26 08:00:01	✓	Execution Order First as a National ID	Sigma-X	2018-10-26	2024-09-16	imp01
28	L2H40C0000P	2017-10-26 08:00:01	✓	Execution Order First as a National ID	Sigma-X	2018-10-26	2024-09-16	imp01
29	L2H40C0000P	2017-10-26 08:00:01	✓	Execution Order First as a National ID	Sigma-X	2018-10-26	2024-09-16	imp01
30	L2H40C0000P	2017-10-26 08:00:01	✓	Execution Order First as a National ID	Sigma-X	2018-10-26	2024-09-16	imp01

The following default information is provided:

COLUMN	ICON /FORMAT	SOURCE	DESCRIPTION
SELECTION		Saturn field	User can select one or multiple SLC: - One line for manual modification - One or multiple lines for single or multiple cancellations
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 MIFID 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

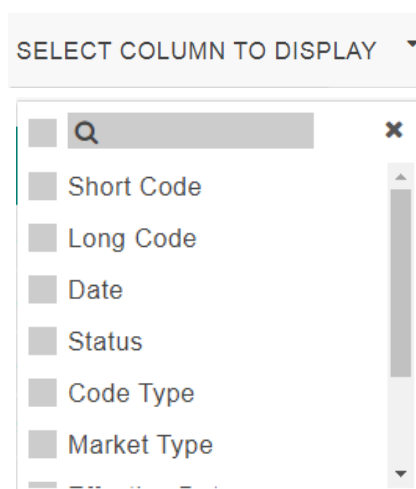
COLUMN	ICON /FORMAT	SOURCE	DESCRIPTION
			 Checked & Ready
MARKET TYPE	Multi-choice	Saturn field	The market data
EFFECTIVE DATE	YYYY-MM-DD HH:MM:SS	Saturn field	Date as of which the short and long code mapping is effective.
END DATE	YYYY-MM-DD HH:MM:SS	Saturn field	When filled, indicates when the registration 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.

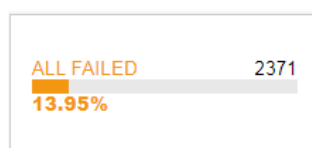
As soon as an SLC is received by Saturn whatever the format (JSON, XML or CSV), it is processed in real-time by the Saturn Check Module. As a result of this validation, a status is sent back to the user. The SLC is displayed in the User Interface with its appropriate status.

STATUS		DESCRIPTION
Euronext <u>Statuses</u>		
Checked & Ready		Compliant SLC
Failed		<p>Failed: 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.

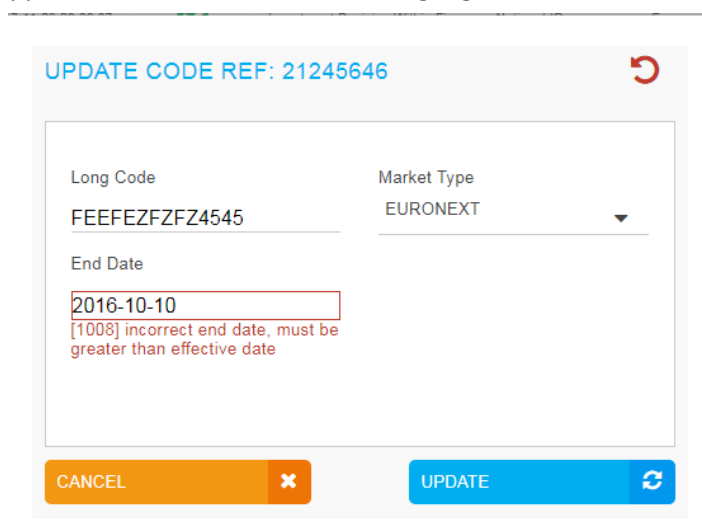
- 1- Select the SLC to amend. Please note that manual SLC amendment in the Saturn application can only be done for one SLC at once. Mass corrections can only be done via the Web Service:

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

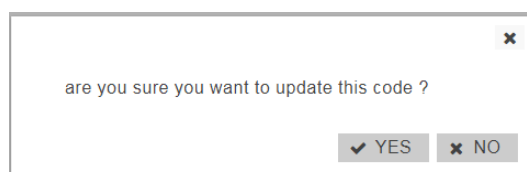
- 2- Choose the SLC to amend by checking the checkbox  on the left of the screen or by clicking in the SLC's line.

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

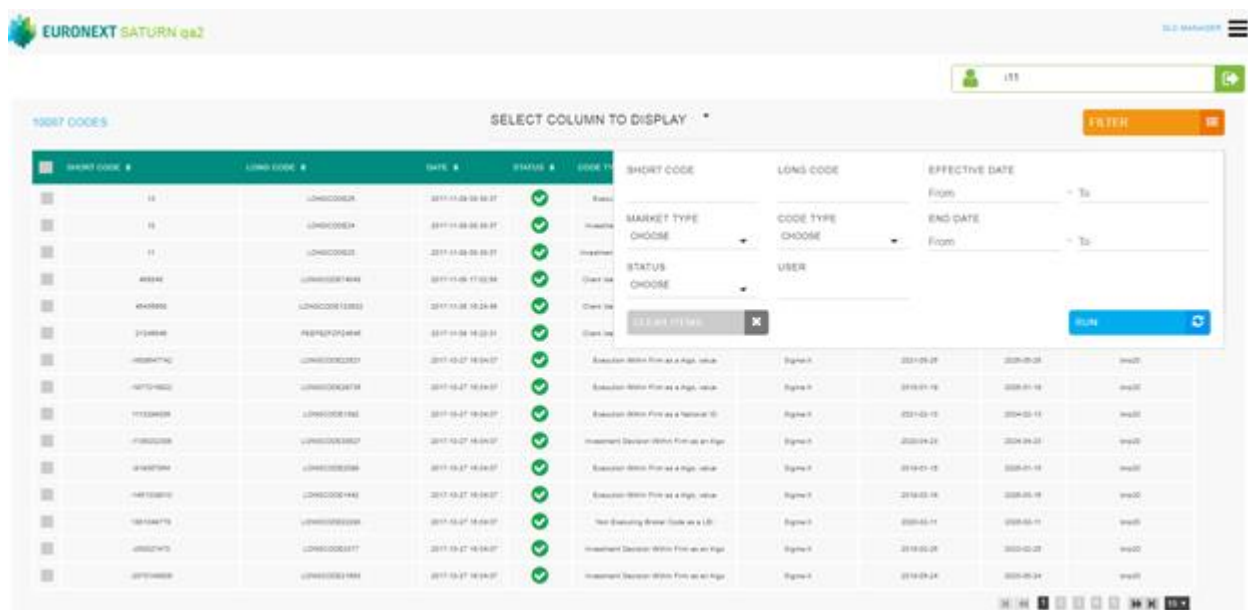
Click “**YES**” to confirm the cancellation of the selected SLC.

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 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 table lists 19087 codes. The table has columns for SHORT CODE, LONG CODE, DATE, STATUS, and CODE TYPE. A filter panel is open on the right side, showing various criteria for filtering the data: MARKET TYPE, CODE TYPE, STATUS, USER, EFFECTIVE DATE, and END DATE. Each criterion has a dropdown menu for selection. At the bottom of the filter panel, there is a 'RUN' button to apply the selected filters. The table itself shows a list of codes with their respective dates and statuses, with green checkmarks indicating active or confirmed status.

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 placeholder "YYYY-MM-DD".
- End Date**: A text input field with a placeholder "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.

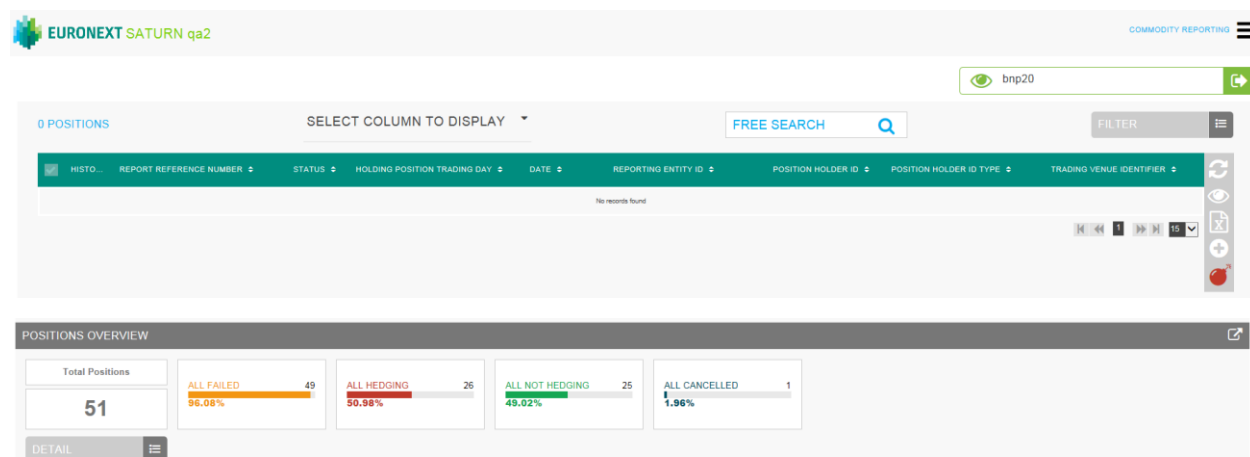
Populate all fields with expected data and click on the “**INSERT**” button. The new SLC line will appear in the SLC status report.

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%

26 POSITIONS

SELECT COLUMN TO DISPLAY

FREE SEARCH

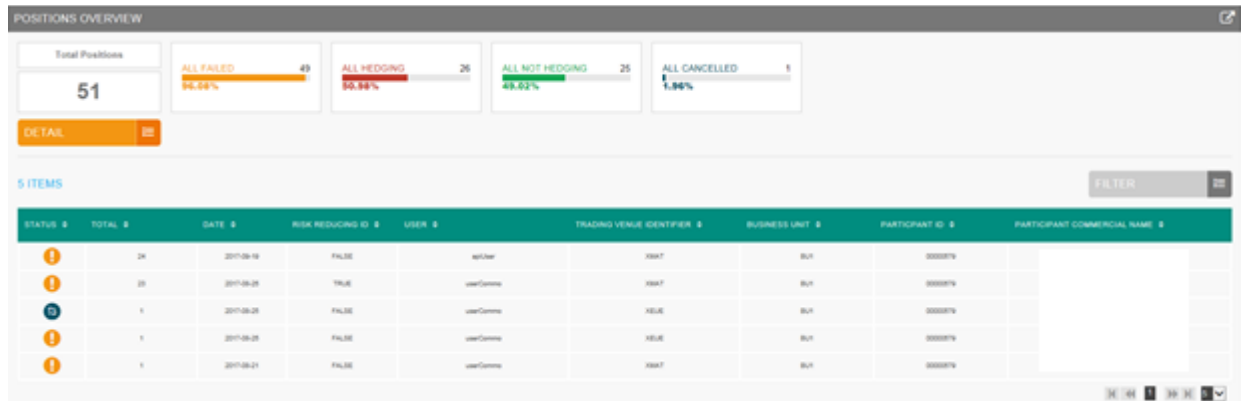
FILTER

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	650444	159967	69670	888317	TRUE
BU1	Futures	Spot month	744148	10305	131144	513103	TRUE
BU1	OTC equivalent	All other months	455948	346964	652316	665877	TRUE
BU1	Futures	Spot month	527190	577349	457123	468035	TRUE
BU1	Options	Spot month	408035	804548	347139	81026	TRUE
BU1	OTC equivalent	All other months	413063	89650	679603	628970	TRUE
BU1	Futures	All other months	905249	211738	97899	220507	TRUE
BU1	OTC equivalent	All other months	64417	551051	379553	53853	TRUE
BU1	OTC equivalent	All other months	714130	435409	421951	175406	TRUE
BU1	Options	All other months	307749	551540	722225	955477	TRUE
BU1	Options	Spot month	247529	554324	172328	543946	TRUE
BU1	OTC equivalent	Spot month	776743	739411	189542	72552	TRUE
BU1	OTC equivalent	All other months	120095	304459	380220	960809	TRUE
BU1	Options	Spot month	874232	165761	376602	466199	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**”:

The screenshot shows the 'POSITIONS OVERVIEW' dashboard with the 'FILTER' pop-up open. The pop-up contains various filter criteria: DATE (From/To), TOTAL (From/To), USER, PARTICIPANT ID, STATUS (CHOOSE), BUSINESS UNIT, VENUE, PARTICIPANT NAME, and RISK REDUCING ID (CHOOSE). There are 'CLEAR ITEMS' and 'RUN' buttons at the bottom of the pop-up.

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:

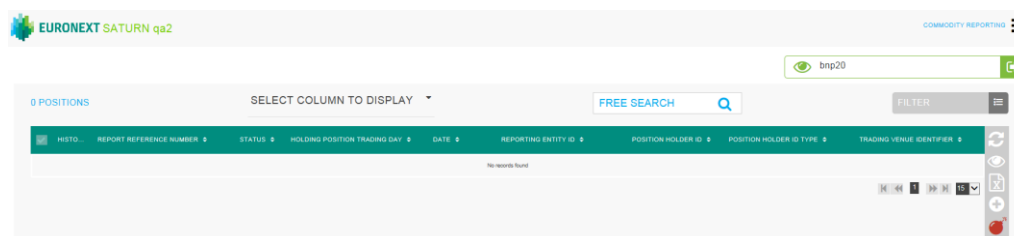
The screenshot shows the 'POSITIONS OVERVIEW' dashboard after filtering. The table now displays only 1 item. The table has columns: STATUS, TOTAL, DATE, RISK REDUCING ID, USER, TRADING VENUE IDENTIFIER, BUSINESS UNIT, PARTICIPANT ID, and PARTICIPANT COMMERCIAL NAME.

STATUS	TOTAL	DATE	RISK REDUCING ID	USER	TRADING VENUE IDENTIFIER	BUSINESS UNIT	PARTICIPANT ID	PARTICIPANT COMMERCIAL NAME
!	23	2017-08-25	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.

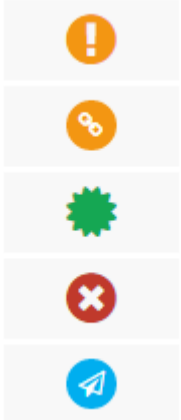
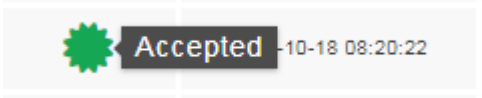
Click on COMMODITY REPORTING:



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
QATCOMMO003	!	2017-01-10	2017-11-13 14:35:02	21380077NJ412N78RU03	21380077NJ412N78RU03	XMAT
HPWMD1WQSO	✓	2017-08-02	2017-11-09 10:22:48	7HBGLXDRUQCPU57RNE97	ROMUW5FPU8MPRO8K5P83	XEU
TRADEREFERENCE597	!	2017-11-21	2017-10-11 14:53:39	549300I2Y1LCN3FHB830	549300FEXEHQB3TS5U26	XMAT
TRADEREFERENCE598	!	2017-11-26	2017-10-11 14:53:39	549300FEXEHQB3TS5U26	5493003520BDW3R34538	XMAT
TRADEREFERENCE595	!	2016-10-13	2017-10-11 14:53:39	549300FEXEHQB3TS5U26	5493005GICHA4VQNV28	XMAT
TRADEREFERENCE594	!	2016-10-29	2017-10-11 14:53:39	549300I2Y1LCN3FHB830	549300OEVBQJ44FNU738	XMAT
TRADEREFERENCE593	!	2016-10-26	2017-10-11 14:53:39	5493005270P5B801RY94	549300FEXEHQB3TS5U26	XMAT
TRADEREFERENCE592	!	2017-10-11	2017-10-11 14:53:39	549300FEXEHQB3TS5U26	549300KFCU1Y2M20965	XMAT
TRADEREFERENCE591	!	2015-11-29	2017-10-11 14:53:39	549300BKEBERKFOG21	549300BKEBERKFOG21	XMAT
TRADEREFERENCE590	!	2016-11-10	2017-10-11 14:53:39	5493003520BDW3R34538	549300UPZ83BMVNTW547	XMAT
TRADEREFERENCE587	!	2017-11-21	2017-10-11 14:49:50	549300I2Y1LCN3FHB830	549300FEXEHQB3TS5U26	XMAT
TRADEREFERENCE586	!	2017-11-26	2017-10-11 14:49:50	549300FEXEHQB3TS5U26	5493003520BDW3R34538	XMAT
TRADEREFERENCE585	!	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"> - One line for manual modification - One or multiple lines for single or multiple cancellations
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

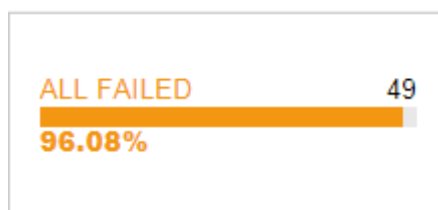
Possible status of Commodity Position Report:

STATUS		DESCRIPTION
<u>Euronext Statuses</u>		
Checked & Ready		Checked & Ready: Position report validated
Failed		<p>Failed: 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		Cancelled: 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.

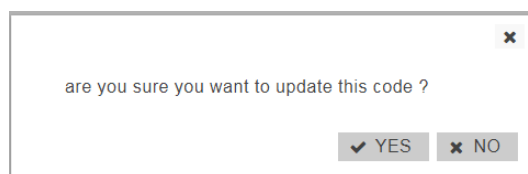
The following window appears and erroneous fields are highlighted in red:

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:

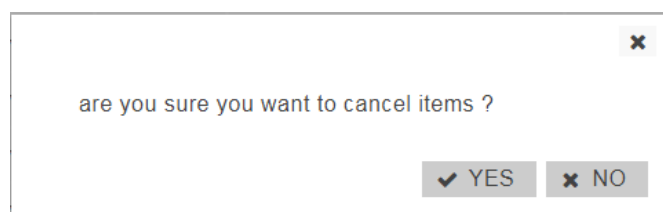
13. From the Transaction details screen, choose the lines to cancel.



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
	TRADEREFERENCEVEA0376570403	!	2017-10-20	2017-09-19 11:59:40	549300FND2T0H0F02T14	549300Z70P58851R134	XBAT
	TRADEREFERENCELYF3263058861	!	2016-10-23	2017-09-19 11:59:40	549300UP2338M/N7W547	549300BEV08R/F021	XBAT
	TRADEREFERENCEVFF302403596	!	2015-10-10	2017-09-19 11:59:40	549300FEX0H03T35L09	549300FEX0H03T35L09	XBAT
	TRADEREFERENCEPWI0205641032	!	2017-10-21	2017-09-19 11:59:40	549300VJ7FAVQ3T80	549300S230DWR34538	XBAT
	TRADEREFERENCE8BT0505564058	!	2017-11-24	2017-09-19 11:59:40	549300VJ7FAVQ3T80	549300FCCJ1Y2M2065	XBAT
	TRADEREFERENCEZ475840641588	!	2016-10-13	2017-09-19 11:59:40	549300HVS72R87W4549	549300S230DWR34538	XBAT
	TRADEREFERENCEWAK0370588852	!	2016-11-18	2017-09-19 11:59:40	549300HMQH71H2H4L75	549300FND2T0H0F02T14	XBAT
	TRADEREFERENCEH1X472406444	!	2017-10-28	2017-09-19 11:59:40	549300BEV08R/F021	549300UP2338M/N7W547	XBAT
	TRADEREFERENCECRPT581056222	!	2015-11-15	2017-09-19 11:59:40	549300S230DWR34538	549300FEX0H03T35L09	XBAT
	TRADEREFERENCELJUB76765411	!	2015-11-26	2017-09-19 11:59:40	549300UP2338M/N7W547	549300BEV08R/F021	XBAT
	TRADEREFERENCEHUB07357549	!	2015-10-14	2017-09-19 11:59:40	549300S230DWR34538	549300FND2T0H0F02T14	XBAT
	TRADEREFERENCEHMT507662302	!	2017-11-28	2017-09-19 11:59:40	549300BEV08R/F021	549300UP2338M/N7W547	XBAT
	TRADEREFERENCEBOL0284817407	!	2015-10-21	2017-09-19 11:59:40	549300FCCJ1Y2M2065	549300VJ7FAVQ3T80	XBAT
	TRADEREFERENCEPOL0376034929	!	2017-10-24	2017-09-19 11:59:40	549300HMQH71H2H4L75	549300FND2T0H0F02T14	XBAT
	TRADEREFERENCEITP0322854757	!	2017-11-18	2017-09-19 11:59:40	549300HVS72R87W4549	549300FEX0H03T35L09	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 OD INSTRUMENTS ON THE COMMONDITIES WITH THEIR ISIN CODE AND SPOT MONTH INDICATOR

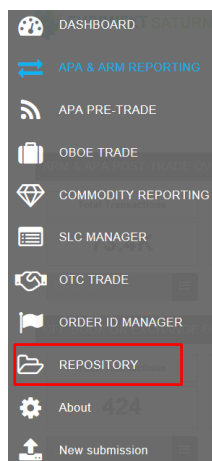
In relation to Euronext agricultural commodity contracts listed on MATIF, Euronext confirms that the spot month for the purposes of MiFID II daily reporting is always the first maturity immediately available for trading.

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 :

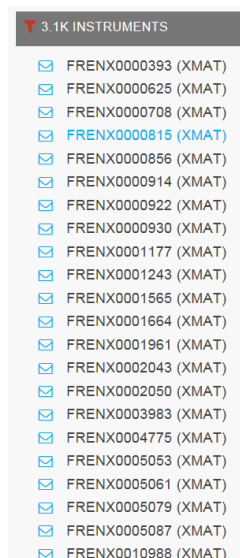
- Go to Repository in the Saturn main menu



- 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:	422630016
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"/>

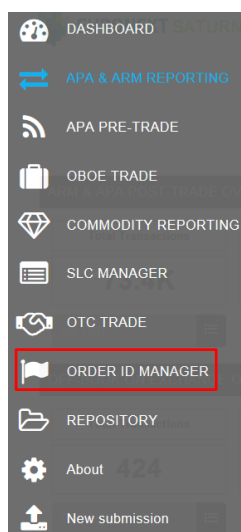
- To export the **list of instruments with their Spot Month indicator** (a value of 0 means that the instrument belongs to the Spot Month) click on the **excel** button



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

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	NLEN000030728	
88539950	8858714	18877228	2018-10-05 18:08:17	NLD	2018-10-05	✓	3584559	NLEN000030719	
-73303952	-46210825		2018-10-05 18:08:18	Euronext	2018-10-05	✓	3555585	NLEN000030708	1
-86786769	75485320	85885317	2018-10-05 18:08:14	Luemborg	2018-10-05	✓	4531474	NLEN000030849	1
72259481	44527480	11855487	2018-10-05 18:08:13	NLD	2018-10-05	✓	5516574	NLEN000030832	F
-49452789	40862025		2018-10-05 18:07:14	Euronext	2018-10-05	✓	1015572	NLEN0000307425	F
-91758055	-10771910	-52373574	2018-10-05 18:07:09	Euronext	2018-10-05	✓	1046695	ELNLD00183740	1
83339182	-27522514	49525891	2018-10-05 18:07:05	Euronext	2018-10-05	✓	9576933	NLEN0000302338	1
823545770	1194620418	338110542	2018-10-04 10:55:10	Luemborg	2018-09-20	✓	153779452	NLEN0000304109	1
753887000	-158551822	1154517788	2018-10-04 10:55:10	Luemborg	2018-09-22	✓	1572857400	NLEN0000305758	F
-1954857454	730574208	-103032288	2018-10-04 10:55:10	Luemborg	2018-07-13	✓	1423418522	NLEN0000305941	1
-1334500234	342783740	830322385	2018-10-04 10:55:10	Luemborg	2018-09-26	✓	769845424	NLEN0000304523	1
-2030591504	-324332024	-853474138	2018-10-04 10:55:10	Luemborg	2018-09-21	✓	806050234	NLEN0000303718	1
-43745807	80203295	-12233385	2018-10-03 17:23:17	Euronext	2018-10-03	✓	4511594	NLEN0000303308	F
85940338	42070542	36004553	2018-10-03 17:20:14	Luemborg	2018-10-03	✓	3035544	NLEN0000305549	1

The following default information is provided:

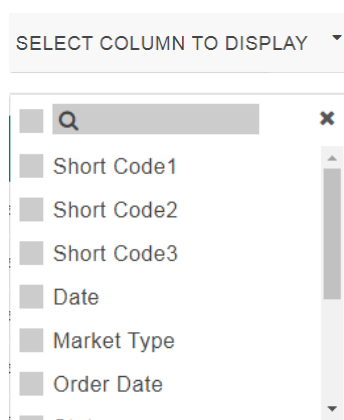
COLUMN	ICON /FORMAT	SOURCE	DESCRIPTION
SELECTION		Saturn field	User can select one or multiple ORDER ID: <ul style="list-style-type: none"> - One line for manual modification - One or multiple lines for single or multiple cancellations
SHORT CODE1	Integer	Saturn field	ExecutionWithinFirmShortCode, MiFID 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
Euronext Statuses		
Checked & Ready		Compliant ORDER ID
Failed		<p>Failed: 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'.

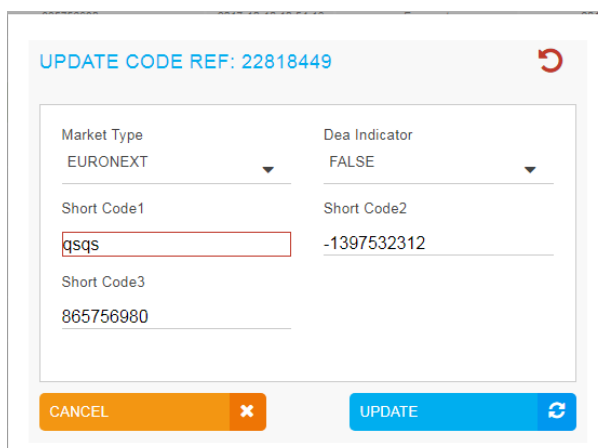
To edit an ORDER ID, do the following:

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:



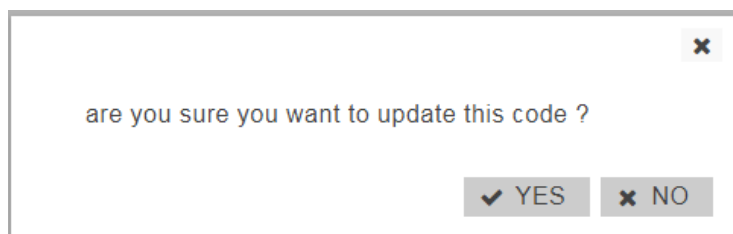
UPDATE CODE REF: 22818449

Market Type EURONEXT	Dea Indicator FALSE
Short Code1 qsqs	Short Code2 -1397532312
Short Code3 865756980	

CANCEL UPDATE

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

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



are you sure you want to update this code ?

✓ YES ✗ NO

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 a list of codes with their corresponding dates and market types.

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'.

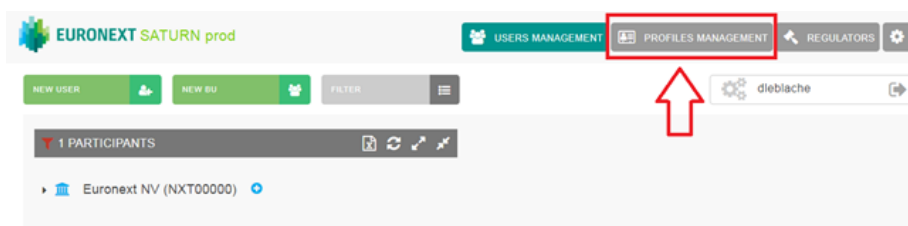
Fill all fields with expected data and click on the **“INSERT”** button. The new ORDER ID line will appear in the transactions status report.

12. OTC TRADE FACILITY

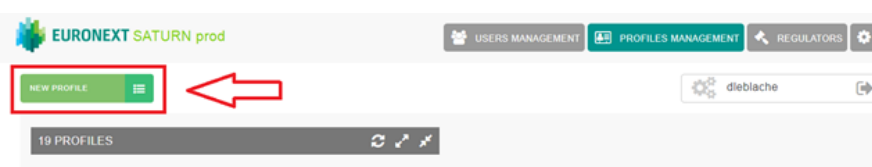
12.1 ADD A OTC TRADE FACILITY PROFILE

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

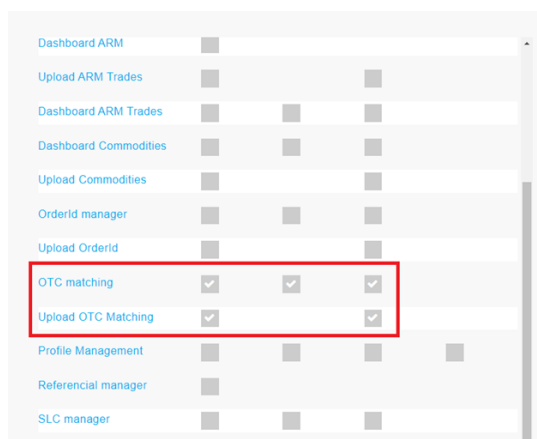
- The first step is to go to **Profiles Management** (from an administrator profile) at the top right



- Thereafter, click on **New Profile**



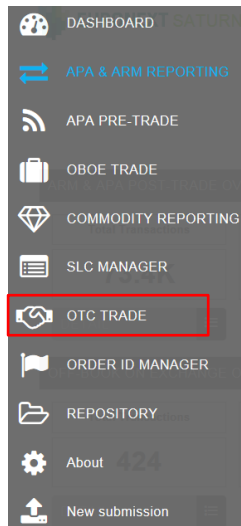
- And then **check the boxes** related to OTC Cleared Facility



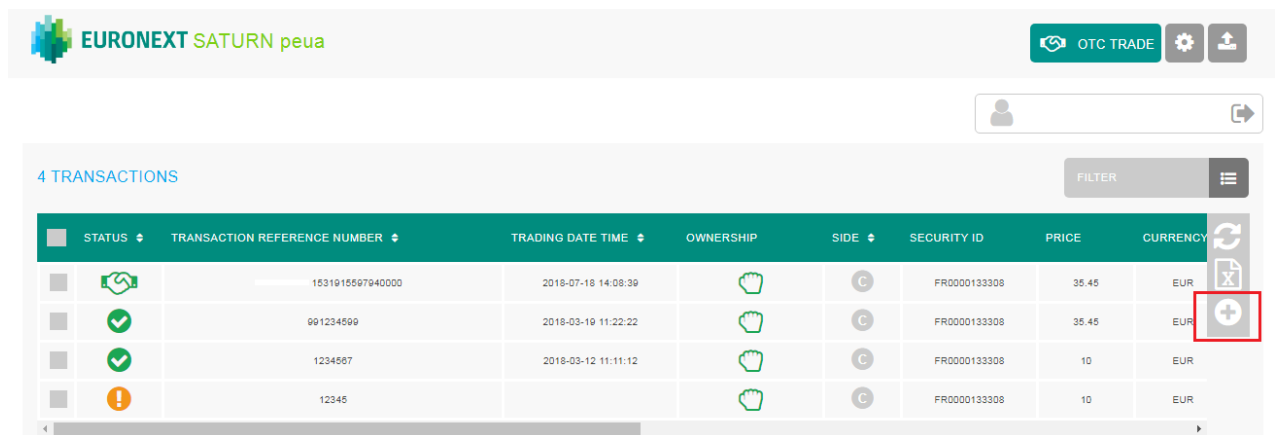
Users can now manually input OTC Cleared trades from the **OTC Trade** option in the Dashboard of the Saturn User Interface.

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	
	Transaction reference number [1531919644142000] [ENTERINGCOUNTERPART][1015] Entering Counterpart should be empty when Side is Cross										
		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.

EURONEXT SATURN peua

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	

<u>Name</u>	<u>Description</u>
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.