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PREFACE

ABOUT THIS DOCUMENT

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

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

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

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

TARGET AUDIENCE

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

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

ASSOCIATED DOCUMENTS

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

- <u>APA ARM web page</u> > Background Information: EU and UK MiFID II Euronext APA/ARM Functional overview
- EU and UK MiFID II web page > Background Information: Euronext Global Reporting Solution Saturn Web Service Specifications

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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 <u>Appendix</u>.

VERSION NO.	DATE	CHANGE DESCRIPTION
<u>5.351.0</u>	<u>28 Oct 2024</u>	 Added Section 5.9 Non-Optiq historical transactions reporting (Upload File only) : new functionality offered by the application, which allows non Optiq historical transactions reporting.

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1. OVERVIEW

1.1 EU AND UK MIFID II EURONEXT REPORTING SERVICES

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

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

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

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

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

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

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

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

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

A single hub for regulatory reporting

Built to process a large number of reports every day the Saturn application is a one-stop regulatory reporting solution that can help subscribers to increase efficiency and reduce their reporting risks. Whether supporting a single central reporting hub or rolling out multiple access-controlled and audited desktop installations, the Euronext Global Reporting Service offers a solution to suit clients' needs.

Fully EU and UK MIFID II compliant Approved Transaction Reporting

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

Comprehensive validation

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

Easy correction

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

Flexible messaging options

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

1.2 TRADE PUBLICATION AND TRANSACTION REPORTING FUNCTIONALITIES

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

The scope of instruments include both cash and derivatives instruments.

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

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

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

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

ASSOCIATED DOCUMENTATION

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

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

All these documents can be found in <u>Euronext APA / ARM services under EU and UK MiFID II</u> 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		
CIII	EUA	https://saturn-eua.euronext.com		
GUI	Production	https://saturn-prod.euronext.com		
API	EUA	https:// saturnapi-eua.euronext.com		
API	Production	https:// saturnapi-prod.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 <u>wants to change password</u>.
- New passwords cannot be the same as the previous 10 passwords.
- Passwords must be at least 10 characters in length for GUI users, 20 characters for API users.
- Accounts shall be locked <u>after three failed login attempts</u> 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 <u>contain any variations of the previous one</u> (e.g., Saturn01! and Saturn01!!).
- Passwords must contain **both uppercase and lowercase characters** (e.g., a-z and A-Z).
- Passwords must contain <u>at least one number</u> (e.g., 0-9).
- Passwords must contain <u>at least one special character</u> (e.g., @#\$^&*().).

Password Requirements – API

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

3. ADMININSTRATOR 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 <u>user-controlled password</u> with a <u>one-time password</u> (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 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:

	WELCOME TO	
See D		
٣	Anne) Anne Anne Anne Anne Anne Anne Anne Anne	025

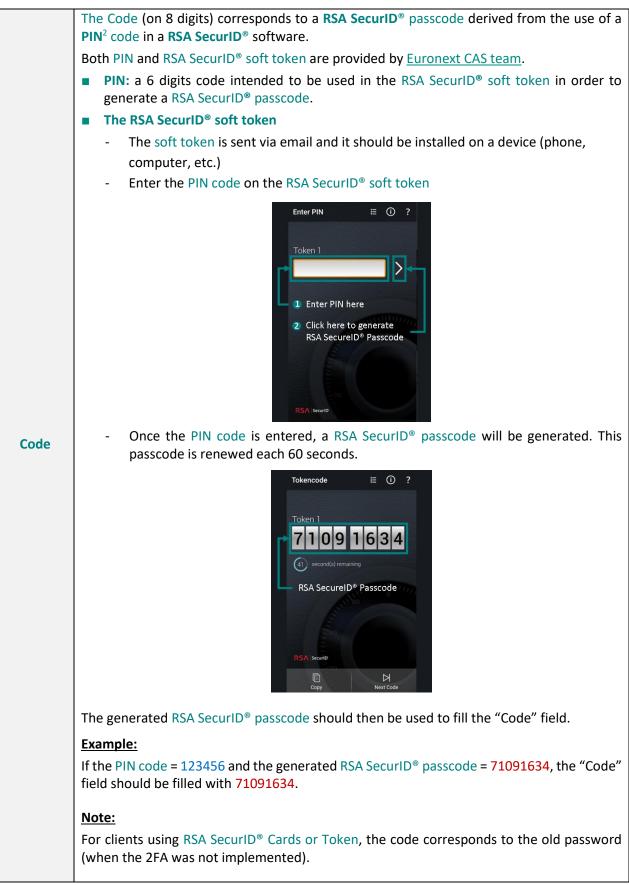
4. When the Saturn login page appears, User must logon with his valid connection parameters:

	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 <u>contact</u> 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.		

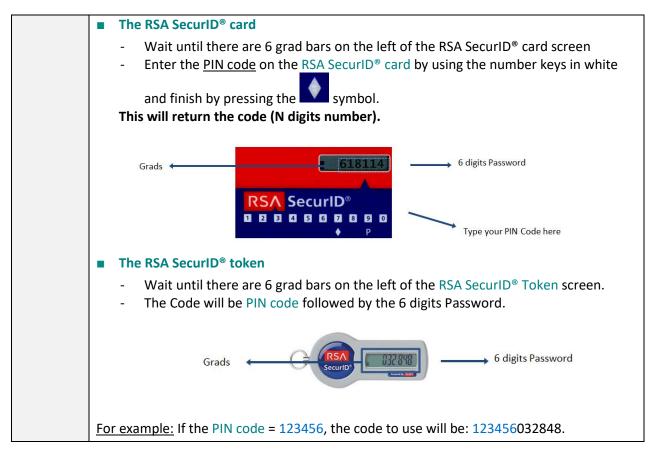
5. Press the "LOGIN" button. If the credentials are valid, the second factor authentication appears.

V	VELCOME TO
Use	ər ID
**	*****
Pas	ssword
**	*****
Co	ie
_	
	VERIEY

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



² Please contact the Euronext CAS team to get the PIN code and the RSA SecurID[®] soft token.



7. 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 phones³.

A) User Guide Google Authenticator App

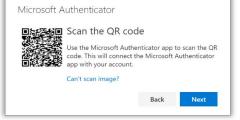
The User will need to install the Barcode Scanner application (if you do not have one installed, Authenticator will ask you to install one).

- Download and install the Google Authenticator app for <u>iOS</u> or <u>Android</u>;
- On your mobile device, open the Google Authenticator app;
- Tap on BEGIN SETUP;

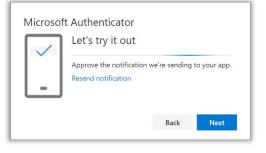
- Tap Scan a Barcode (if you do not have Barcode Scanner, you will be asked to install it);
- You can use the application and scan a QR code (needed for later stage).

B) User Guide Microsoft Authenticator App

- Download and install the Microsoft Authenticator app for <u>iOS</u> or <u>Android</u>;
- On your mobile device, open the Microsoft Authenticator app;
- Tap the Add icon to 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**.

Microsoft Authenticator		
	Back	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 <u>contact</u> 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 with the 6 digits code from the chosen TOTP application (Google or Microsoft Authenticator).

Saturn's Connection form		
dev		
User ID ******** Password *****		
→ Code 137 130		
VERIFY		

7. 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.

EURONEXT SATURN ga2 1						
NEW USER 🛃 NEW BU 🛃 FILTER	E				admincas1	0
512 PARTICIPANTS		2211	PARTICIPANT DETAIL			
✓ ① 2B TRADING (00028670) ○ > ♥ BU1 ○		4	Commercial Name:	3		28 TRADING
Adminfor2BT			MIFID Compliant:			0
💉 APISelenium 🧿			Desulates			N/A
😔 OrderldUser 📀			Regulator:			N/A
1 323 TRADING (00028043)			LEI:		1	24500D0F3FMK7FPI293
1 31 INVESTMENTS (90000001) O			Bartisland I.I.			00000070
			Participant Id:			00028670
ABN AMRO BANK (00029009)			Participant Type:			Trading Member
ABN AMRO BANK (00029101)						
▲ ABN AMRO BANK (00004742) • 2			Is Activated:			œ
m ABN AMRO BANK (00000623)			Is Suspended:			0
ABN AMRO BANK (00029003) O						
m ABN AMRO CLEARING BANK (00000687)			ARM Reporting:			R
ABN AMRO CLEARING BANK (00000484)			Commodity Reporting:			0
ABN AMRO CLEARING BANK (00029645)			commonly reporting.			
ABN AMRO CLEARING CHICAGO (00004232)			APA pre-Trade:			0
1 ABR FINANCIAL (00004276)			ADA and Tax day			-
	H 44 1 2 2 2	5 🕪 🕅 15 🗸	APA post-Trade:			0

- 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.

512 PARTICIPANTS	3 <i>2 2 ×</i>	BUSINESS UNIT DETAIL	I 🛍
 	2	Name:	BU1
▶ 📽 BU1 0 1 🔅 Adminfor2BT 0		tag:	BU1
💋 APISelenium 😏			

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:

Participant	Business Unit
EURONEXT	➡ BUTEST
First Name	Last Name
stephane	dif
Login	Email
sdifrsa	sdif@euronext.com
Password	Password confirmation
Category	Profile
USER	▼ READ SLC MANAGER ▼
Validity End Date:	× YYYY-MM-DD
API	Suspend User User Locked

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"**:

🝷 🏦 2B TRADING	6 (00028670)	
🕨 🐸 🛛 BU1 😏		-
Adminfor2BT	EDIT USER COPY USER	
💉 APISelenium		
OrderldUser	MOVE TO BUSINESS UNIT FORCE LOGOUT	
🏦 323 TRADING	G (00028043) 🙂	

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

2) by clicking on the USER:

512 PARTICIPANTS	x 2 ~ *
✓ 1 2B TRADING (00028670) ●	
▶ Multi Contraction	
 Adminfor2BT APISelenium 	
OrderldUser o	

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

USER DETAIL	ď 🛃
First Name:	Orderld user
Last Name:	Orderld user
Participant:	2B TRADING
email:	orderid@euronext.com
API:	0
Profile:	Orderldmanager
Login:	OrderldUser
Category:	User
Is Locked:	0
Is Suspended:	0

UPDATE USER		C
Participant 2B TRADING	Business Unit CHOOSE	•
First Name	Last Name	
Orderld user	Orderld user	
Login	Email	
OrderldUser	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":

0	•	
EURONEXT SATURN q	a2	
NEW USER 1	W BU 🚰 FILTER 🗮	
512 PARTICIPANTS		x 2 2 ×
100 28 TRADING (00028 100 23 TRADING (00028 100 323 TRADING (0002 100 331 INVESTMENTS (9 100 9STREET CAPITAL I	REMOVE BUSINESS UNITS 8043) ADD USER 2 ACTIVATE/SUSPEND PARTICIPANT ACTIVATE/SUSPEND USERS EDIT IP ADDRESSES	

Participant	Business Unit
First Name	Last Name
TestUpdate	WithMasterAdmin
Login	Email
2BSelenium	2BSelenium@euronext.com
Password	Password confirmation
Category	Profile
USER	CHOOSE
Validity End Date:	¥ YYYY-MM-DD
API	Suspend User User Locked

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	 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 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
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

- 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 <u>https://www.euronext.com/en/mifid-2</u> > Saturn Web Services Specifications > Euronext – Saturn Web Services Specifications
- 2. Click on "CREATE" when fields are populated.

For API users <u>IP address</u> has to be defined at Participant level:

🌞 EUI	RONEXT SATURN qa2		
NEW US	ER 🛃 NEW BU	FILTER 🗮	
512 PA	RTICIPANTS		x 2 2 x
• 血 血 血 血	2B TRADING (00028670) • 323 TRADING (00028043) • 3I INVESTMENTS (90000001) 9STREET CAPITAL MARKETS	ADD BUSINESS UNIT REMOVE BUSINESS UNITS ADD USER ACTIVATE/SUSPEND PARTICIPANT ACTIVATE/SUSPEND USERS EDIT IP ADDRESSES	

Relevant IP address is defined

IP	Label/Comment	
10.0.0.0	Test	<u> </u>

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;

W USER 🛛 🎍			
PARTICIPANTS			
Euronext NV (N	хтооооо) О		
O adminitaly O	EDIT USER		
Q ^e ₀ UserLing O	COPY USER REMOVE USER		
	MOVE TO BUSINESS	UNIT	
	RESET 2FA MODE		
			×
Are you sure to	o reset 2FA mode of: Us	erLing ?	

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 <u>is not available</u> or the request is for the Saturn Administrator's own access, the user may contact Euronext Customer Access Services (CAS) on: <u>cas@euronext.com</u>, +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":

Business Unit	
BU001	
	ок

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:

EW 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:



TESTPROFILE	VIEW	CREATION	UPDATE	DELETE
APA post-Trade Dashboard			10.00	
Upload APA Post-Trade			11	
APA Pre-Trade Dashboard				
Dashboard ARM				
Dashboard ARM Trades			1.1	
Upload ARM Trades			11	
Dashboard Commodities		10	11	
Upload Commodities				
OBOE Dashboard		10.00	11	
Upload OBOE			10.00	
Orderld manager		10.00		
Upload Orderld			1.1	
OTC matching		10	11	
Upload OTC Matching				
Profile Management				
Referencial manager				
SLC manager			11	
Upload SLC				
User Activity				
Users Management			11	11
User Unlock				
Suspend User			11	
p Addresse Management				
Business Unit Management				
User Reset Password			10.00	

Note that:

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

The new profile will appear in the profiles list:

NEW PROFILE	
17 PROFILES	02*
 ▲ Admin ▲ AllRights 	
 MasterAdmin • OrderIdmanager • profileSuperAdmin • Read APA Post-Trade • Read APA Pre-Trade • 	
 Read ARA Fiel Table Read ARM Read Commodities Read Referential manager Read SLC manager 	
 TEST PROFILE [•] Write APA Post-Trade [•] Write APA Pre-Trade [•] Write ARM [•] Write Commodities [•] Write SLC manager [•] 	
O UserEmptyProfil O	

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:

17 PROFILES 3 X	PROFILE DETAIL				_ 🖉 🛍
Admin O	Name:				TEST PROFILE
AllRights AllSights Admin	Updatable:				Ø
E Orderldmanager O E profileSuperAdmin O	Last updated:				2018-09-12 17:14:06
Read APA Post-Trade Read APA Pre-Trade		VIEW	CREATION	UPDATE	DELETE
Read ARM O	APA post-Trade Dashboard			0	
Read Commodities O	APA Pre-Trade Dashboard	0		0	
Read Referential manager Read SLC manager	Business Unit Management	0	0		0
I TEST PROFILE	Dashboard ARM	0			
Write APA Pre-Trade	Dashboard ARM Trades	0	ſ.	0	
Write ARM	Dashboard Commodities	ſ.	0	0	
Write SLC manager	Ip Addresse Management		0		
O UserEmptyProfil O	OBOE Dashboard	0	ſ.	0	
	Orderld manager	0	0	0	

Or select "Edit PROFILE" in the action list of the selected profile:

18 PR(DFILES C *
a ==	Admin O
A ==	AllRightsARMProfile O
▶ 🔤	AllServices O
▶ 🔤	MasterAdmin 🧿
a ==	Orderldmanager 🤤
a ==	profileSuperAdmin 📀
a ==	Read APA Post-Trade 📀
A ==	Read APA Pre-Trade 📀
▶ 🔤	Read ARM 💿
	Read Commodities O
A ==	Read SLC manager
A ==	
	TestProfileMaster C DELETE PROFILE MANAGE USERS
	Write APA Post-Trade
A ==	Write APA Pre-Trade 📀
▶ 🔤	Write ARM 📀
A ==	Write Commodities 🧿
A ==	Write SLC manager 🛛 📀

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

				•
TESTPROFILE	VIEW	CREATION	UPDATE	DELETE
APA post-Trade Dashboard	V		1.	
Upload APA Post-Trade			11 - E	
APA Pre-Trade Dashboard	V			
Dashboard ARM				
Dashboard ARM Trades				
Upload ARM Trades	v		1 - C	
Dashboard Commodities	V			
Upload Commodities				
Orderld manager				
Upload Orderld			1	
Profile Management				
SLC manager				
Upload SLC				
Hear Activity	-			

Note that:

Δ

- 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:

18 PROFILES 🛛 🕹 🖍	PROFILE DETAIL				C 💼
Admin O	Name:				TESTPROFILE
III AIRightsARMProfile C ↓ III AIIServices O	Updatable:				¥
MasterAdmin O	Last updated:				2017-10-31 17:57:14
🔠 Orderldmanager 오	Last apartos.				201110-0111-0111
III profileSuperAdmin O		VIEW	CREATION	UPDATE	DELETE
E Read APA Post-Trade •	APA post-Trade Dashboard	♥	0	0	
→ I Read ARM O					
Read Commodities O	APA Pre-Trade Dashboard				
III Read SLC manager	Business Unit Management				
TESTPROFILE O	Dashboard ARM	0			
TestProfileMaster	0.11.11014T		_	_	
Write APA Post-Trade Write APA Pre-Trade Write APA Pre-Trade	Dashboard ARM Trades	0	0	0	
Write ARM O	Dashboard Commodities	I			
E Write Commodities O	Orderld manager	0	0	0	
III Write SLC manager 🧿	Profile Management	-	-	-	-
😣 UserEmptyProfil 🧕	Prome Management		0		D
	SLC manager	0		0	
	Suspend User				
	Upload APA Post-Trade	0		0	
	Upload ARM Trades	Y			
	Upload Commodities	0			
	Upload Orderld	0		0	
	Upload SLC	0			

Or select "DELETE PROFILE" in the action list of the selected profile:

18 PR(DFILES C 2,
a ==	Admin 💿
=	AllRightsARMProfile 3
▶ 🔤	AllServices 😏
▶ 🔤	MasterAdmin 3
_=	Orderldmanager 😳
A ==	profileSuperAdmin 3
A ==	Read APA Post-Trade 🖸
_=	Read APA Pre-Trade 🛛 😏
▶ 💵	Read ARM 😏
A ==	Read Commodities 🖸
A ==	Read SLC manager 🕚
_=	
A ==	TestProfileMaster (DELETE PROFILE
A ==	Write APA Post-Trade
A ==	Write APA Pre-Trade 🛛 😌
▶ 🔠	Write ARM 3
A ==	Write Commodities 🧿
A ==	Write SLC manager 😋

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

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

3.7.4 Assign Profile

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

UPDATE USER	5
Participant	Business Unit
EURONEXT	BU TEST
First Name	Last Name
stephane	dif
Login	Email
sdifrsa	sdif@euronext.com
Password	Password confirmation
Category	Profile
	READ SLC MANAGER
USER	READ SLC MANAGER
Validity End Date:	CHOOSE A WRITE SLC MANAGER WRITE COMMODITIES
• • • • • • • • • • • • • • • • • • •	CHOOSE A WRITE SLC MANAGER WRITE COMMODITIES WRITE ARM

3.8 E-MAILS NOTIFICATION

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

	EMAIL LIST FOR 00000121	
		1 🖉 🤈
ADD USER ACTIVATE/SUSPEND USERS EDIT IP ADDRESSES EDIT E-MAIL ADDRESSES	E-Mail	o
	E-Mail for ARM reports	2 270
		0
		3 / 5
	E-Mail for APA reports	0
	CANCEL	SAVE

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

Remarks:

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

3.8.1 Add a new e-mail address

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

- 1. In the pop-up, write the e-mail address in the right field.
- 2. Click on the green cross to confirm the e-mail address.

	2 0
E-Mail	
test@test.com	0

- To save the e-mail address, please click on "Save" button at the bottom of the pop-up.
- 4. Your e-mail address is now valid and will be used by the system to send you different communications.

0
ŵ

3.8.2 Amend an e-mail address

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

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

	0
est2@test.com	Ŵ
esiz@iesi.com	_
esiz@iesi.com	

3.8.3 Delete an e-mail address

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

1. Select which e-mail address should be removed and click on the red trash button in front of it.

E-Mail		
		•
test@test.com		â
CANCEL	SAVE	

2. To save your changes, please click on "Save" button at the bottom of the pop-up.

3.9 LOGGING OUT

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



4. USER INTERFACE

4.1 LOGGING IN

To log in to the Euronext Saturn User Interface, please follow the steps described in section <u>3.2 Logging</u> <u>In</u>.

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

EURONEXT SATURN	🙆 DASHBOARD 🗮 APA & ARM REPOR	iting 🖍 apa pre-trade 🛛 🕀 commo	DITY REPORTING	R 🕼 OTC TRADE 🧐 OBC	ie trade 🎽 🍽 order id managei	r 🗁 repository 🔯 audit 🗘 🕹
					i bet1	۲
		REFRESH ALL	0			
ARM & APA POST-TRADE OVERVIEW						C
Total Transactions ALL FAILED 13	ALL ISIN PENDING 239.8K ALL REJECTED	0 ALL CANCELLED 8	ALL PENDING 0			
115.8K	100% 0.00%	0.01%	0.00%			
DETAIL						
OFF-BOOK ON EXCHANGE OBOE						C
Total Transactions ALL FAILED 5	ALL CANCELLED 0 ALERTS	12				
92 6.43%	0.00% 13.04%					
DETAIL						
POSITIONS OVERVIEW						ď
Total Positions ALL FAILED 35	ALL HEDGING 27 ALL NOT HEDGING	15 ALL CANCELLED 11				
49 71.43%	55.10% 30.61%	22.45%				
DETAIL 🗮						
SHORT/LONG CODE OVERVIEW						C
Total Codes ALL FAILED 0	ALL EURONEXT 5 ALL BOL	0 ALL Sigma-X 0	ALL Synapse 13	ALL AX Block Trading 0	ALL Morgan Stanley 2	
125.0K •.•••	0.00% 0.00%	0.00%	0.01%	0.00%	0.00%	
DETAIL 🗮						
APA PRE-TRADE OVERVIEW						C
Total Quotes PRIVATE QUOTES 0						
0.00%						

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:

	N	🚯 DASHBOARD	APA & ARM REPORTING	APA PRE-TRADE	DITY REPORTING	er 🛛 🧐 otc trade 🗍 🎯 ob	DE TRADE 🛛 🏴 ORDER ID MANAGER 🗋 🗁	
							left bet1	۲
				REFRESH ALL	0			
ARM & APA POST-TRADE OV	/ERVIEW							C
Total Transactions	ALL FAILED 13 0.01%	ALL ISIN PENDINO 239.8K	ALL REJECTED 0	ALL CANCELLED 8	ALL PENDING 0 0.00%			
DETAIL								
OFF-BOOK ON EXCHANGE	OBOE							C
Total Transactions	ALL FAILED 5	ALL CANCELLED 0	ALERTS 12					
92	5.43%	0.00%	13.04%					
DETAIL								
							I bet1	•

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.

	N	🛃 DASH	BOARD 🛱 APA & ARM REPOR	TING 🔊 APA PRE-TRADE		SLC MANAGER	iade 🛛 🧐 oboe trade 🗌	🏴 ORDER ID MANAGER 🏾 🗁 REP	ository 💿 audit 🔅 🛓
							<	bet1	€
				RE	FRESH ALL 0				
ARM & APA POST-TRADE C	VERVIEW								C
Total Transactions	ALL FAILED	13 ALL ISIN PENDING	239.8K ALL REJECTED	0 ALL CANCELL	ED 8 ALL PENDIN	G 0			
115.8K	0.01%	100%	0.00%	0.01%	0.00%				
DETAIL 🔚									
OFF-BOOK ON EXCHANGE	OBOE								ď
Total Transactions	ALL FAILED	5 ALL CANCELLED	0 ALERTS	12					
92	5.43%	0.00%	0 ALERTS 13.04%						
DETAIL 🗎									
POSITIONS OVERVIEW									ď
Total Positions	ALL FAILED	35 ALL HEDGING	27 ALL NOT HEDGING	15 ALL CANCELL					
49	71.43%	\$5,10%	30.61%	22.45%					
DETAIL 🔳									
SHORT/LONG CODE OVER	VIEW								C
Total Codes	ALL FAILED	0 ALL EURONEXT	5 ALL BOL	0 ALL Sigma-X	0 ALL Synapse	13 ALL AX Block Tr	ading 0 ALL Morga	en Stanley 2	
125.0K	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%		
DETAIL 🔳									
APA PRE-TRADE OVERVIE	N								ď
Total Quotes	PRIVATE QUOTES	0							
0	0.00%								

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.

Saturn - User Guide - Euronext Cash and Derivatives Markets

ALL FAILED	2371
13.95%	

											â	188	0
7 7	STT TRAN	SACTIONS	SELECT	COLUMN	TO DISPLAY	•		FREES	EARCH		Q	24.11%	
	nine.	NAMES ACTION REPORTED AND ADDRESS OF		-	641.4	GOMESTIC &		-	-	-	-	0.000/100 (00111 (0.1	nine 🕤
н.	0	A01310	0	0			0			1.00	80	14400374240-040	
	0	2,01919100000000000000000000000000000000	0	0		100302-0029	0	40-011/02080	-	1414	347	AND DOT OF THE OWNER	- 1
	0	1.000000000000	0	0		2002/02/10/19	0	sheet contra	-			******	- ×
	0	1,40740710100000	0	0	-	7940812-782-7	0	404047000000	-	10.0		NAMES OF CONTRACTOR OF CONTRACT,	-
	0	L.B.PAP (CARD)	0	0		UNIONAL TRUTH	0	abdelliggens;	-	-	84	August Connects	-
1	0	Automation and the second	0	0		2010/01/10/10	0	-	-	140		1000037120070000	-
ŧ.	0	Laboration and the second second	0	0	01100100400	1000027079	0	42-24-1-2008	-	10.0	301	1410011-2109-010	
1	0	2,25,261,01,01,01,01,010	0	0	ant shire in page	200200-000	0	43-949-00000	-			+4400011-2107-0810	1.000
8	0	Landau activities	0	0	ALC: N 10, 10, 10, 10, 10, 10, 10, 10, 10, 10,	100001-0110	0	40404-01000000	-	-		MARGINE STREET	
2	0	1440384848484848464484644844448	0	0	2010/06/06 20120	Territer August	0	Artimox11000000	#1000 Series	-	84	Avenue of the second second second	- 100
1	0	0.0074010072141420	0	0		2002002-0010	0	-	-	-	811	14440311124040408	
1	0	1.0000000000000000000000000000000000000	0	0		14032-303	0	42-24-1103000	-	10.0	341	\$4880(211;5107+040)	
4	0	1,400000100010000000	0	0	-		0		-			14000011-2009-0000	100
E.	0	Substant accounts	0	0	101-10-10-00-00-00		0	404047500000	-	-		MARTINGSOM	
6	0	Contrast April Contrast	0	0	2011-00-00 m 2012	UNION CONTRACTO	0	-	minut sugar	10.0	84	Annal Contractor	

On the dashboard page, the "DETAIL" Button:

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

17	.0K	L PALEO 2014	ALL REJECTED 146	ALL CANOFILED 11			
DETAIL	=						
106 (TE	MS						FILTER
							PARTICIPANT COMMERCIAL NAME
0	-	2017-10-10	2400	7568	841	000001%	
0	-	2017-10-18	24200	7%.8	841	00000176	
0		2017-00-18	anget.	6.1P	841	00000176	
0		2017-02-08	lengt	1004	841	0000075	
	-	2017-10-10	lengt	38#J	841	000001%	
0							

≣

To apply a filter to this list, please click the **"FILTER"**: button

rotal trans	actions	L FAILED 2371	ALL REJECTED 946	ALL CANCELLED	11			
17.0		.95%	5.57%	0.06%				
TAIL	=							
ITEMS				\sim	x			FILTER
NTUS \$	TOTAL ¢	DATE ¢	USER \$	TRADING VENUE IDENTIF	DATE		STATUS	BUSINESS UNIT
-	198	2017-10-18	outAPI	TNLB	From - 1	Го	CHOOSE	•
0				TNLB	TOTAL		VENUE	PARTICIPANT NAME
O	152	2017-10-18	outAPI	INLB				
-	152	2017-10-18	outAPI bnp1	ALXP	From - 1			
0					USER	00000579		

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

- Date
- Total transaction
- User
- Participant ID
- Status
- Venue

•

•

•

•

- Business unit
- Participant Name

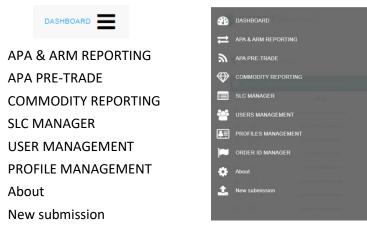
Click the "RUN" button to submit the filter or the "CLEAR ITEMS" button to reset the filter.

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

Т 5 ПЕМ							FILTER 🔳
STATUS #	1004. 4	GATE #	USER #	TRADING VENUE IDENTIFIER #	eveness unit +	PROTICIPANT ID .	PARTICIPANT COMMERCIAL NAME
0	126	2017-10-10	Pu(0.P)	75.8	845	00000879	
0	152	2017-10-10	Pu(67)	74.8	845	00000879	
0		2017-10-18	0.007	vera	845	000008/16	
0		2017-10-10	9400 ⁹ 1	VP18	845	000000179	
0		2017-02-08	9400P1	74,8	845	0000075	
							H H 1 H H 5

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



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

	FILTER	=	RUN	C
•	to clear the filter and return	to the initial display	, click on the "CLEAR ITEMS	5" button:
			×	

4.5 REFRESHING DATA

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



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

4.6 **EXPORTING DATA**

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

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



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

4.7 UPLOADING REPORTS THROUGH CSV FILES

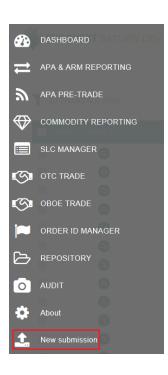
The Saturn application provides the ability to **manually** import transaction or trade publication reports by uploading CSV files.

Users must pay attention to the following limitations:

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

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

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



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



The following window is displayed:

EURONEXT SATURN ga2				New submission
			👗 n	6
		PLOAD X CANCEL	1	
STATUS NAME		942 VPL0	ADED GATE	6
0	0-art/01-or0-ass_20171004_12140073_1_1164	553.304 ×8	2017-10-10 10:54:18	3
0	Perturplese, 207 000, 020071, 1, Max	821.400 KB	2010-10-00 10 01-00	
•	Protogloss,217.03,329071,1,31.ac	511.401.40	2017-10-10 10:01.18	
0	PerturyCons_2017103,103071_1,04.net	821.400 KB	2017-10-08 16:36:00	
0	Participation_20171036_1010071_1_01.cm	511.400.10	2017-10-08 10:28-20	
•	Distangloses_2017308_1004076_1,04.ext	521.400 KB	2017-10-08 10:21:40	
0	PiacOKaar	1.421.43	2017-10-06 16:04:00	
0	No. alart, mark an	1.001 ×8	2017-10-08 10 AM 08	
0	host_2108 core	1.49.43	2017-10-08 18:30-20	
0	to fina con-	554.001 ×8	2015-10-04 00-08 H	

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.:

-



- 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:

👋 EURONEX	T SATURN qa2				New submission			
				👗 – 11	6			
			PLOAD R CANCEL					
	STATUS NAME		102 U	PL GALOR & BATT				
	0	Onter/OtherCodes_20171008_12048078_1_1144	853.308 ×8	2017-10-10 10 84 18				
	•	Stort.org/cons.20171034_1045875_1_01.cs	501.022.03	2017-02-02 10:01:08				
	•	Direct.org/cells.2017/038_02948115_1_04.au	101.400.40	2017-00-10 10 81 18				
	•	ProcKarg/admi,20171004,5204875,1,04.44	501.405.48	2017-10-08 10:00				
	•	SectoryDates,2011008,0248018,1,04.44	501.400.40	2017-00-08 10 28 20				
	•	Brock.org/Lobid_20171030_10204875_11_04.au	521.68.10	2017-10-08 10 21 40				
~	0	7m,01m	142148	2017-10-08 NO 20100				
	0	Muterium and	1.00.40	2017-10-08 10 44-08				
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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.

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	entra -	NAMES AND DESCRIPTION OF TAXABLE PARTY.	DEDE N	anna a		plantre a	-	-	-	-	-	Executive entry in a	11.110
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Ē.	0	497.04	0	0	101003-0100		0			30	(44)	NAMES OF GROOMS	-
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	0	1,0000000000000000000000000000000000000	0	0	-	100001-0178	0	4040410100000	-	1010		Period 2112/2007-0000	1.00
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Ľ	0	****************	0	0	and second	Terror maps	0	ADMINISTRATION		10	War	INCOME. INCOME.	178.

The following default information is provided:

COLUMN	ICON /FORMAT	SOURCE	DESCRIPTION
SELECTION		Saturn field	User can select one or multiple transactions: 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	6	Saturn field	Indicates whether the transaction was uploaded by Saturn

COLUMN	ICON /FORMAT	SOURCE	DESCRIPTION
STATUS	•	Saturn	Indicates the current status of the transaction A status description is available by hovering the mouse cursor over the icon.
	•	field	Accepted -10-18 08:20:22
DATE	YYYY-MM-DD	Saturn	Date/Time of last update of the transaction
SIDE	HH:MM:SS	field Saturn	Nature of transaction, can be Buy, Sell, Cross or unknown
SIDE	C	field	Nature of transaction, can be Buy, sell, cross of unknown
	В		
	S		
	U		
QUANTITY	decimal	ESMA & FCA RTS 22, ref. 30	Total transaction quantity.
INSTRUMENT ID		ESMA & FCA RTS 22, ref. 41	Code used to identify the financial instrument. (ISIN)
PRICE	decimal	ESMA & FCA RTS 22, ref. 33	Transaction Price.
VENUE	MIC code	ESMA & FCA RTS 22, ref. 36	Identification of the venue where the transaction was executed.
BUSINESS UNIT	alphanum	Saturn field	Business Unit's name defined in the Saturn Admin part
EXECUTING FIRM	alphanum	ESMA & FCA RTS 22, ref. 4	Code used to identify the entity executing the transaction (LEI)
TRANSACTION REFERENCE NUMBER	alphanum	ESMA & FCA RTS 22, ref. 2	Identification number that is unique to the executing firm for each transaction report.

The window offers additional information and features:

• A "Free Search" field allows for the possibility to search information from Free text fields:



Saturn - User Guide - Euronext Cash and Derivatives Markets

Transactions criteria – access to all transaction filters:



• Choice of the columns to display on the table:

SELECT COLUMN TO DISPLAY							
Q	×						
Transaction reference numbe	r 🔺						
Origin							
Status							
Date							
Quantity							
Side	+						

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

FUNCTION	DESCRIPTION
3	Refresh button
۲	Display extended view of the report, i.e. all fields of the transaction (including client information)
X	Export to Excel. The exported file will contain the list of all transactions with all columns.
8	Cancel selected transaction
	Edit selected transaction
ආ	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 <u>Statuses</u>		
Checked		Compliant Transaction
Checked & Ready		Compliant Transaction after Client validation - Checked & Ready
Wait for check	8	Transaction is waiting to be checked
Sent		Transaction is sent to regulator
Failed		 Failed: Transaction contains errors. Failed transactions can be corrected and resubmitted 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	8	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	Û	Transaction Cancelled and can be removed from the table.
NCA Statuses	·	
Received	*	Transaction received by the regulator

Rejected	8	Transactionhasbeenrejected.This status is used in case the transaction has beenrejected by the competent authorities.
Cancelled received	83	Cancel transaction request received at the regulator side
Cancelled accepted	8	Cancel transaction request accepted at the regulator side
Accepted	٠	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:

ALL FAILED	2371
13.95%	

• 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:

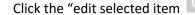
ALL REJECTED	946
5.57%	

- 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 clicking in the transaction's line.

on the left of the screen or by



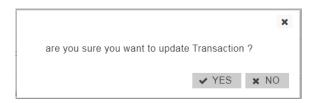
Click the "edit selected item icon on contextual menu on the right of the screen.

 \checkmark

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

Transaction detail	Client detail	Instrument detail
nstrument Full Name		
NSTRUMENTONE		
1002] please do not fill, unexpected v	alue	
Classification Type	Price Mult	iplier
FDSPX		
1002] please do not fill, unexpected v	alue	
Notional Currency 1	Notional C	Currency 2
JL Instrument Code	UL Instrun	nent Name
JL Instrument index	Strike Pric	e
Strike Price Notation	Strike Pric	e Currency
CHOOSE	•	,
Option Excercise Style	Maturity D	ate
CHOOSE	▼ YYYY-MI	M-DD
Delivery Type	Option Typ	be
CHOOSE	- CHOOSE	~
Expiry Date		
YYYY-MM-DD		

- 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:

Transaction detail	Client detail	Instrument detail	
Trade Ref			
CLIENTREF15076409999			
Trade Id			
TRADINGVENUECKUK4088417	888		
Executing Firm			
549300I2Y1L 549300i2y1I' field should match the pa	attorn (a		
z0-9]{18,18}[0-9]{2,2}	attern [a-		
nstrument Id	Venue		
AOAGA151202800C	TNLB		
Price	Quantity		
663405.64906	2992682.753	375	
Net Amount	Side		
184474.10494	SELL	$\overline{\nabla}$	
Transmission Order	Country Branc	h Membership	
FALSE	 PT 		
Trading Capacity 1	Trading Capac	ity 2	
DEAL	- DEAL	•	
Buyer Firm Id	Seller Firm Id		
Up Front Payment	Up Front Payn	nent Currency	
548102	GBP		
nvestment Decision Within Firm	Investment De	cision National ID Type	
FR00000000ZA#C#ZA#C#	CONCAT	•	
Investment Decision Within Firm type	Country Of Inv	restor	
NATIONAL ID	▼ FR		

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:

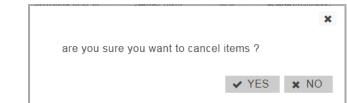
 $\mathbf{\sim}$

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

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

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

3. A confirmation message appears:



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

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

											-	-11	
957	TRANSA	choks	SELECT	COLUMN 1	TO DISPLAY			FREE SI	EARCH	1	q	TAUA	. E
		NAMES ACTOR REPORTED IN ADMINIST		stores +	04761.8		-	-	-	-	-	-	11 TO 2
	0	Practice and	0		an or other		0			-	144	period of the second of the se	-
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1	0	0.0070010070000000000000000000000000000	0	0		100000-0000	0	404044930000	101012-0108	-	. 84	1400111-207-080	-
	0	0.0/14/14/04/468	0	0		200202-0129	0	40404-0408082	942423.04409	-	1941	940000175-2509-40818	
0	0	1.0110001001000000	0	0	30154107		0	- ADD OF THE OWNER	-	-10.6	Ret.	THEORY SCHOOL SERVICES	- 10
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	0	0.4575071075405000	0	0	-	2010/01/10/10	0	40404/010000	*****	-8.4	841	1400011-0707-080	City.
0	0	(LASHINF (MTHODACT)	0	0	211107-0308	10000279079	0	40404/0400088	*********	-10.0	31	Institution succession	
0	0	0,45750110110100001	0	0		000000270079	0	(4)-01-0100000	001405.0400	-	10	1000011-007-000	199
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0	0	0.00100100100100	0	0			0		-	-11-15	841	beaution in the process	490
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1	0	distribution of the state	0	0	antonia realar	1001003-00104	0	4040444030800	449-2014-000	-9-4	(84)	heading a providence	2.440.
0	0	0.0019010010100094	0	0	201100-05410	191010-1019	0	40-04-0100000	00103.04030	- 10.0	.80	1002017-0-2007-0410	
	0	16406707010-0630-78111-6233	0	0	0011 AL 10 AL 10 AL 10	7917141.00801	0	Carsonanae -	Central and	-		14100010-00-00-00	1474

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:

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ing f	TRANSAC	TICAS	SELECT C	OLUMN T	O DISPLAY			FREE SEA	ARCH	Q		26.15.9	
	1000 - 10	MACHACINES REFERENCE MOMENT &	-	-	040.0		100.0	-	-	Acr - 10	-	Concerning Detroit of the	
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н.	0	A11100	0	0	211-1220 Hotel		0				841	040007-0,2507-0000	10
10	0	1,007071071001044401045401	0	0		300032021	0	40404-00000000	100031008	1610	1.00	640001120(00000)	
10.	0	1.0174211211000000	0	0		(00.000.0000)	0	-	-	1010		\$44000011-1_01007-00830	- 6
н.	0	2.01710102000	0	0		36001.017	0	40404/0100000	101421	10.0		140322-1,2107-003	- A
н.	0	S. States in cases	0	0	ann-16-19-18-29-18		0	A(A)4/10/07/07/07/07	-	10.0	8.1	MARCO CONTINUE	- Anna
12	0	CONTRACTOR	0	0	-	1000011011	0	40414-9-000000	-	16.0	84	NAMES OF STREET	10
11	0	0.007071070000075	0	0	011-111-0-001	100000-0010	0	****	-	10.0	811	1+(10)(1-1,2)(1-(1-0))	10
10	0	Galaring Contraction	0	0	01110-010-024	201201-0111	0	4040479(00000)	100423-0403	10	. 84	1400011-024814888	1
8	0	Cultiver introduce on	0	0	211-121-122-02	3403027675	0	40404-0100800	-	1016		1400011-0.0474030	5
	0	0,017907-02790700708	0	0	an or other	341001707	0	ADADA PERSONAL	-	YES	811	MARGON CONTINUES.	
11	0	California Contractionalities	0	0			0		story beam	MR	80	Automotics 10,0407468.00	
11	0	1.01747-021070100	0	0	817-11-0110-0020	100200270170	0	ADADATION	-	100	841	PARTICIP-1, 21(21)(00)(0)	2
10	0	0.00000000000000	0	0	1011-01-01-01-02-02	34042303	0	40404400000000	Read Seat	1610		54000752989000	1
н.	0	140000000000000000000000000000000000000	0	0	101010-01010-0101	Toron man	0	Anakartiansoon	10000	.00		100000000000000000	
н.	0	2010/06/01/12/01/000	0	0	-	34040.517	0	AC404-01000000	100423 14023	1918		140002-1,2107-0000	
	0	0.00100-0010-004	0	0	-		0	A0434-01000000	-	10.0	8/1	AND DO TO THE REAL OF THE REAL	
12	0	0.00000100000000	0	0	-	200202-0019	0	40414-11-000801	-	1618	- 841	Personal Property and Property of Concession	10
ш	0	C. Science and Sector	0	0	0101000	(mint 11)	0	-	-	1616	811	140000-1,20070000	+
10	0	C. EXTERNOL	0	0	211111-0110-01-01		0	AD404191020001	10001000	1010		14080311220910000	1.1

Two types of views are available:

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

1.

- Choose the transaction to edit by checking the checkbox on the left of the screen;
- 2. Click the "edit selected item "icon on contextual menu on the right of the screen.

The overlay with all fields is displayed.

Transaction detail	Client detail	Instrument detail
Trade Ref		
CLIENTREF1507640532525		
rade Id		
RADINGVENUECKUK40884178	88	
executing Firm		
49300I2Y1LCN3FHSB30		
nstrument Id	Venue	
AOAGA151202800C	TNLB	
Price	Quantity	
63405.64906	2992682.7537	5
let Amount	Side	
84474.10494	SELL	∇
ransmission Order	Country Branch N	Membership
FALSE	▼ PT	
rading Capacity 1	Trading Capacity	2
DEAL	▼ DEAL	•
Buyer Firm Id	Seller Firm Id	
Jp Front Payment	Up Front Paymer	nt Currency
548102	GBP	
nvestment Decision Within Firm		ion National ID Type
R0000000ZA#C#ZA#C#	CONCAT	•
nvestment Decision Within Firm type	Country Of Invest	tor
NATIONAL ID	▼ FR	
nvest Firm Indicator	Derivative Notion	al Increase Decrease

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:

											å :	1	
torii	TRANSACT		SELECT C	OLUMN T	O DISPLAY			FREE SEA	RCH	Q		FEILS	
TR	ADE VENUE IO		TRADE REF				BECURITY IS				VIER		
ve	nut.		SIDE CHOOSE				unc.				ETATUR CHOOSE		
ve Fn	COME:		· b				TRADED PR	CE.			EUSINESS UNIT	e)	
	RE CLEARED		BYPASS CO CHOOSE	NTROL FLA	ē.;		CHOOSE	NOICATOR			TRANSACTION CHOOSE	PRICE TYPE	
84	BMITTING EN	NTY (D	APWARM IN CHOOSE	DICATOR			ENTERING (OUNTERPART			EXECUTING BR	IOKER:	
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and the second			0	0	2744422 2744422	36001 717	0	electronic and the	Minel And	19.4	**	ALM Heatery's Just Heat	
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No. of Additional of the other		C. BOMP TOMORESH C. BOMP TOMORESH	0	0	generate	paraticity a	0 0	-	****	-	8.0	Personal Processing	:
THE R P. LEWIS CO., LANSING MICH.		Cutoring - Sciences	0 0 0	0 0 0	2011-0411-0410 2011-0411-0410	(46.00) 1011 (46.00) 1017	0 0 0		Minet I and	1848 1948	8.0 8.7	**************************************	
1		я сламентальных сламентальных сламентальных сламентальных тисковство сос	0 0 0	0 0 0	800-080-088 800-080-088 800-088-088	(4000-1013 (4000-1013 (4014-400)	0 0 0		attest beam	1848 1848 182	40 50 50		
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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:

Transaction detail	Client detail	Instrument detail
Trade Ref		
frade Id		
Executing Firm		
nstrument Id	Venue	
Price	Quantity	
Vet Amount	Side	
Transmission Order CHOOSE	Country Branch	▼ Membership
Frading Capacity 1 CHOOSE	Trading Capacity	/ 2
Buyer Firm Id	Seller Firm Id	·
Jp Front Payment	Up Front Payme	nt Currency
nvestment Decision Within Firm	Investment Decis	sion National ID Type
nvestment Decision Within Firm type CHOOSE	Country Of Inves	stor
nvest Firm Indicator	Derivative Notion	nal Increase Decrease

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:

Side	CHOOSE	_	0
Туре	CHOOSE	•	
Identification Code			
First Name			
Surname			
BirthDate	YYYY-MM-DD		
Identification Type	LEI	-	i C
Seller Identification Code	549300I2Y1LCM	N3FHSB30	ආ
Seller Country Branch	FR		
Seller First Name	SELLER		
Seller Surname Seller BirthDate	SELLER YYYY-MM-DD		
Seller BirthDate			
Identification Type	LEI	•	
Buyer Identification Code	549300I2Y1LCM	N3FHSB30	අත
Buyer Country Branch	FR		
Buyer First Name	BUYER		
Buyer Surname Buyer BirthDate	YYYY-MM-DD		
buyer birtitbate			

3. Click the "add" icon at the bottom of the client's details list: $oldsymbol{\Theta}$

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:

EURO	NEXT SATURN qa2									APA & ARM REPORTING
									🛔 11	
167 TRA	NSACTIONS	1	ELECT COLUMN TO	D DISPLAY		FRE	E SEARCH	Q		LTER
ee •	STRIKE PRICE NOTATION	STRIKE PRICE CURRENCY	OPTION EXERCISE STYLE	MATURITY DATE .	EXPRESSION ENTER	DELIVERY TYPE	OURNE DETAILS	USER +	BITRASS CONTROL FLAG	OFFERRAL WOR
							*	brack.	N0	N0
							*	lang-11	N0	10
							*	leg/11	PAL3E	P6.31
							CLIENTS	DETAIL		Ph.08
							Seller 1d C Seller Co	intry Branch	549300/2Y1LCN3FH5830 FR	14.30
							Salar Fin Salar Las		SELLER SELLER	Fac.M
						/	Buyer Id C	Iode attry Branch	541300(2Y1LCN37)(5830 FR	74,38
						/	Buyer Firs Buyer Las	# Name	BUYER BUYER	74.38
							1.00	here and	F-6,16	74,08

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 <u>Upload file in the GUI</u>. 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 <u>4.7: Uploading reports through CSV file</u>, to recover a transaction, do the following:

1. Enter the key data that allow to retrieve the corresponding transactiont 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.

5.9 NON-OPTIQ HISTORICAL TRANSACTION REPORTING (UPLOAD FILE ONLY)

Non-MiFID members can use Saturn as their transactions reporting tool for **non-Optiq historical transactions reporting**, which were executed on a trading venue that **didn't belong to Euronext at the trading date**. Since more and more trading venues are now part of Euronext marketplaces, a specific workflow must be followed by members which would like to report such transactions:

- 1- These transactions can be inserted into Saturn only via the Upload File function;
- 2- These transactions are reported as **ARM transactions**;
- 3- Members shall use below Action values:
 - <u>o 5- New non-Optiq transaction;</u>
 - o 6- Amend non-Optiq transaction;
 - **<u>o</u>** 7- Cancel non-Optiq Transaction.
- <u>4-</u> Other fields shall contain the same relevant transaction information (price, quantity, trading date time,...) as any other reported transaction in Saturn.

If the transaction validates all the RTS22 validation rules criteria's, a transaction status "Pending EMS validation for non-Optiq transaction" will be displayed to the members:

HISTO	TRANSACTION REFERENCE NUMBER 🗢	ORIGIN 🖨	STATUS 🖨	DATE \$ [4042] Pending Euronex	QUANTITY	SIDE	
•	VQQ3LUMFBCZR65483X9023FIWEDL17RBQ9PSW8PJW6	6	0	Market Surveillance validation for non-Optiq	599	0	DEO
0	164VDDA282	6	0	transaction. 2023-10-19 12:11:01	5000	0	NLE

Euronext Market Services will have then 2 choices: **validate** or **reject** the transaction.

- If Euronext Market Services validates the transaction, the transaction will be put in "Checked & Ready" status and reported to the regulator.
- If Euronext Market Services rejects the transaction, the transaction will be put in "Failed" status with an error message that can be displayed. The member will have the possibility to correct it through a new Upload File submission.

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 Q	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	BYPASS CONTROL FLAG	DEFERRAL INDICATOR	TRANSACTION PRICE TYPE
CHOOSE	CHOOSE	CHOOSE -	CHOOSE 🗸
SUBMITTING ENTITY ID	APA/ARM INDICATOR CHOOSE	ENTERING COUNTERPART	EXECUTING BROKER
ORIGIN	CHOOSE		
CHOOSE	ARM APA		
CLEAR ITEMS	APA & ARM		

Only APA transactions are displayed:

											10	
T I III	ANSACTIONS	SELE	CT COLUN	IN TO DISPLAY	•		FR	EE SEARCH	•	Q	1631	ł
-	TRANSACTOR REFERENCE MARKER 1	-	-	MILE.	-	100.1	-	1000.0	85.4	-	EXECUTIVE ENTERIO	10.1106
0	Technologia da	0	0	-	-	0	1.0000000		-	8.0°	anterspringer	-
0	Proprietanic control of the	0	0	-	-	0	Name and Address of Conception	-	-	84	Non-construction	-
0	TADOUTING COMPANY	0	0	and shares	-	0	4.010000046	-		8.0	Inderheitberfelte	
0	Nomerorecteleadurecter	0	0		100	0	1.01010040	-	10.4	-	Incomprision of a	-
0	Nucleiter Entry (and und the right)	0	0	and the second	14/14/2017	0		10000	-	10	Automorphotomy	
0	The Development of the Developme	0	0	-	10100-0007	0	-	Tama dett.	10.0	. 24	autorigation for the	-
0	REMARK	0	0	and the second		0	10420800	Concession -	-		10000000000000000000000000000000000000	

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 Statuses".

STATUS		DESCRIPTION
Euronext <u>Statuses</u>		
Checked & Ready		Compliant Transaction after Client validation - Checked & Ready
Wait for check	8	Transaction is waiting to be checked
Sent		Transaction is sent to Market Data
Failed		 Failed: Transaction contains errors. Failed transactions can be corrected and resubmitted 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

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:

ALL FAILED	2371
13.95%	

■ 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:

ALL REJECTED	946
5.57%	

- 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:

APA Post-Trade	Instrument detail	
rade ld		
xecuting Firm	Business Unit	
969500AUXWPSHFPKUM60	N/D	
instrument Id	Venue	
CH0006227612	XSWX	
Side	Invest Firm Indicator	
BUY	TRUE	-
Price	Quantity	
429.95531	518	
Trading Capacity 1	Trading Capacity 2	
DEAL	МТСН	-
Price Currency	Price Notation	
EURA	MONE	-
'eura' must be between 0 and 3 characters long (inclusive)	·	
Quantity Curroney	Quantity Notation	

- 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:

		×
are you sure you want to update Tran	nsaction	?
~	YES	× NO

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.

CDMOYEJ4 Executing Firm Business Unit 969500AUXWPSHFPKUM60 N/D Instrument Id Venue CH0006227612 XSWX Side Invest Firm Indicator BUY TRUE Price Quantity 481.35733 793 Trading Capacity 1 Trading Capacity 2 Price Currency Price Notation	APA Post-Trade	Instrument detail	
969500AUXWPSHFPKUM60 N/D Instrument Id Venue CH0006227612 XSWX Side Invest Firm Indicator BUY TRUE Price Quantity 481.35733 793 Trading Capacity 1 Trading Capacity 2 DEAL MTCH Price Currency Price Notation	Trade Id		
969500AUXWPSHFPKUM60 N/D Instrument Id Venue CH0006227612 XSWX Side Invest Firm Indicator BUY TRUE Price Quantity 481.35733 793 Trading Capacity 1 Trading Capacity 2 DEAL Trading Capacity 2 Price Notation MONE	CDM0YEJ4		
Instrument Id Venue CH0006227612 XSWX Side Invest Firm Indicator BUY TRUE Quantity 481.35733 793 Trading Capacity 1 Trading Capacity 2 DEAL Price Outrency Price Notation MONE	Executing Firm	Business Unit	
CH0006227612 XSWX Side Invest Firm Indicator BUY TRUE Price Quantity 481.35733 793 Trading Capacity 1 Trading Capacity 2 DEAL MTCH Price Currency Price Notation	969500AUXWPSHFPKUM60	N/D	
Side Invest Firm Indicator BUY TRUE Price Quantity 481.35733 793 Trading Capacity 1 Trading Capacity 2 DEAL MTCH Price Currency Price Notation	Instrument Id	Venue	
BUY TRUE Price Quantity 481.35733 793 Trading Capacity 1 Trading Capacity 2 DEAL MTCH Price Currency Price Notation	CH0006227612	XSWX	
Price Quantity 481.35733 793 Trading Capacity 1 Trading Capacity 2 DEAL MTCH Price Currency Price Notation	Side	Invest Firm Indicator	
481.35733 793 Trading Capacity 1 Trading Capacity 2 MTCH Price Currency Price Notation MONE	BUY	▼ TRUE	-
Trading Capacity 1 Trading Capacity 2 MTCH Price Currency Price Notation MONE	Price	Quantity	
DEAL MTCH	481.35733	793	
Price Currency Price Notation	Trading Capacity 1	Trading Capacity 2	
· · · · · · · · · · · · · · · · · · ·	DEAL	▼ MTCH	•
EUR MONE -	Price Currency	Price Notation	
	EUR	MONE	•
		UNIT	

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.

EURONEXT SATURN	🚷 OLAMBOARD 🛱 AFA K ARK REPORTING 🔊 AFA PRE-TRADE 🤁 COMMOUNTY REPORTING 📾 SLC MANAGER 🧐 OT CTARGE 🧐 OBSE TRADE
	I bett I I
	REFRESHALL Ø
ARM & APA POST-TRADE OVERVIEW	ß
Total Transactions ALL FAILED 13 0.01%	ALL SIN FENONS 234 BK ALL REJECTED 0 ALL CANCELED 8 ALL PENDING 0 8.05%
115.8K	
OFF-BOOK ON EXCHANGE OBOE	ď
Total Transactions	
92	ALICANCELED 0 ALERTS 12 0.00% 13.04%
DETAIL	
POSITIONS OVERVIEW	8
Total Positions ALL FAILED 35 71.43%	ALL HEDOING 27 ALL NOT HEDOING 15 ALL CANCELLED 11 20.61% 22.45%
45	
DETAIL 🗮	
SHORT/LONG CODE OVERVIEW	5
Total Codes ALL FAILED 0 0.00%	ALL EURONEXT 5 ALL BOL 0 ALL Spen-X 0 ALL AX Best Tradeg 0 ALL Mogen State 2 0.00% 0 0
DETAIL	
APA PRE-TRADE OVERVIEW	ď
Total Quotes PRIVATE QUOTES 0	
0.00%	

- Dashboard for members profile :

- DETAIL button :

On the dashboard page, the "DETAIL" Button:

DETAIL

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

	ON EXCHANGE O	BOE							C
Total Tra	ansactions	ALL FAILED 5	ALL CANCELLED 0	ALERTS 12					
9	92	ALL FAILED 5	0.00%	13.04%					
DETAIL	=								
									E
TEMS								FILTER	
									_
	TOTAL \$	DATE 🗢	USER \$	TRADING VENUE IDENTIFIER \$	BUSINESS UNIT 🗣	PARTICPANT ID 🕈	PARTICIPANT COMMERCIAL NAME	тх туре 🕈	S
tatus 🕈	TOTAL 🕈	DATE \$	USER \$	TRADING VENUE IDENTIFIER \$	BUSINESS UNIT ¢	PARTICPANT ID \$	PARTICIPANT COMMERCIAL NAME ¢	TX TYPE \$	3
TATUS ÷	TOTAL \$ 1 1								
0	TOTAL \$ 1 1 1 1	2018-09-08	bet1	XOFF	my BU 2	00000001	MDA TEST LEI	OBOE	

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- ALL FAILED Block :

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

LL FAILED	5								
.43%									
	Χ.								
	Å	EURONEXT SATURN							OBOE TI
								⊘ seb3	
		T 11 TRANSACTIONS		SELECT COLUMN TO	DISPLAY -	FREE SE	EARCH Q		FILTER
		STATUS OF TRADE	REASON OF THE STATUS	TRADING VENUE	ISIN O	TRADE REFERENCE	TRADING DATE TIME	PRE TRADE FLAG	ENTERING COUNTERPART
		• •		XBAR	EUNL00104224	43TRADEREFERENCEV/F078462949713	2014-10-28 17:81:18	+0	
		• •		XIBAR	EUNL00104224	43TRADEREFERENCEV//FD41457949713	2014-10-25 17:51:19	4-5	
		• •		XIBAR	EUNL00184224	43TRADEREFERENCEV//FD41467779713	2014-10-25 17:51:18	4.5	
		• •		XBAR	EUNL00104224	43TRADEREFERENCEV//FD41962966713	2014-10-25 17:51:10	4.0	
		• •		XBAR	EUNL00104224	43TRADEREFERENCEVVFD41062055555	2014-10-25 17:51:18	+0	
		• •		XBAR	EUNL00184224	4TRADEREFERENCEV/FD41982985858	2014-10-26 17:51:18	4.5	
		• •		XBAR	EUNL00104224	4TRADEREFERENCEV/FD41982985556	2014-10-25 17:51:10	4.8	
		• •		XMGM	FR0000120844	3TRADEREFERENCEV//FD4196294976	2014-10-24 17:51:18		
		• •		XPRA	FR0000120844	43TRADEREFERENCEV/FD419504978	2014-10-24 17:51:18	4.8	
		. 0		XMEM	FR0000120844	3TRADEREFERENCETKBT2443039418	2014-10-17 22:10:39	+5	
				XMSM	FR0000120844	43TRADEREFERENCETKBT2443009418	2014-10-17 23:10:30	4.5	

- ALL CANCELLED Block :

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

								0	CANCELLED
									0%
080						NEXT SATURN	🕌 EURO		
	seb3							_	
					SELECT COLUMN TO		-		
FILTER		arch Q	FREE SE	DISPLAY	SELECT COLUMN TO	ANSACTIONS	T 22 TR/		
	40	2014-10-25 17:51:10	SSTRADEREFERENCE/V/FO76452946713	EUNL00164204	XIAAR	8			
	+4	2014-10-25 17:51:18	SSTRADEREFERENCE/VFD41457648713	EUNL00184204	XMAR	0			
	4.0	2014-10-28 17:01:18	SSTRADEREFERENCEV/PD41457728113	EUNI.00184224	2004	0			
	40	2014-10-25 17:51:10	SSTRADEREFERENCE/V/F0414/S2/05713	EUNL00164224	XIBAR	8			
	+4	2014-10-25 17:51:18	23TRADEREFERENCE/VF04185285555	EUNE100184204	XMAR	0			
	40	2014-10-28 17:61.18	337840EREFERENCEV/P0418638688	EUNL00184224 EUNL00184224	XINAR	0			
	40	2014-10-25 17:51:10	attraceReference/v/fortaceartis	EUNL00164224	2000	8	1.0		
		2014-10-28 17:01:18	478A0EAEPERENCEV/7041467949713	8,76,20164224	1005	6			
	40	2014-10-25 17:51:18	478A06867686N06VVT041467779713	EU/NL00164224	XMAR	ő			
	+5	2014-10-25 17:51:18	3TRADEREFERENCE/VFD41457848713	EUNL00154204	XIAR	ő			
	**	2014-10-28 17:01/18	418406867686NCEV-F04146286113	EUNL00184224	XMAR	ő			
	4.5	2014-10-25 17:51:15	378406867686NCEV/F041467779713	EUNL00164224	XMAR	8			
	+0	2014-10-25 17:51:18	3TRADEREFERENCEV//FD41663855113	EUNL00164224	XIBAR	8			
	4.5	2014-10-26 17:61/18	3TRADEREFERENCEV/FD4106285555	EUNL00184224	XMAR	0			

- ALERTS Block :

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

ALERTS 2.23%		4					bnp20	
4 TRANS	ACTIONS		SELECT COLUMN T	O DISPLAY	FREE	SEARCH Q		FILTER
STATUS O	OF TRADE ©	REASON OF THE STATUS	TRADING VENUE O	ISIN O	TRADE REFERENCE ©	TRADING DATE TIME	PRE TRADE FLAG	ENTERING COUNTERPART
	A		XMSM	IE008D4H0F21	TESTALS1KFQBRVTBSD	2018-08-25 12:10:12	*	7H60LXDRUGQFU67RNE97
	A		XMSM	IE008D4H0F21	KFQ8RVT55D	2018-08-25 12:10:12	•	7H6GLXDRUGQFU67RNE97
	A		XMSM	IE00BDZRXD00	TESTXLS1TRADE0806014453	2018-08-23 12:30:36		54930380V02CPH1DLK72
	A		XMSM	IE008D2PHD00	TRADEOBOE814453	2018-08-23 13:35:36	4	54930080V02CPH1DLX72
<								> I ≪ 1 ≫ H 15 ∨

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- Column to display :

This button can be used to select columns to display

SELECT COLUMN TO DISPLA	AY 🝷
C X X X X X X X X X X X X X X X X X X X	QUAN
Origin	:41
Status	:19
Date	19
Quantity	
Side v 0:	:19
	:19

- FILTER Button :

To filter the transactions list click the **"FILTER"** button:

		💄 bnp20	•
FREE SEAF	асн Q		FILTER 🗮
TRADE VENUE ID	TRADE REF	SECURITY ID	STATUS CHOOSE
VENUE	SIDE CHOOSE	ORIGIN CHOOSE	SETTLEMENT FLAG CHOOSE
BYPASS CONTROL FLAG CHOOSE	DEFERRAL INDICATOR CHOOSE	APA/ARM INDICATOR	ENTERING COUNTERPAR
BUSINESS UNIT	USER	CHOOSE ARM APA	
CLEAR ITEMS	¢	APA & ARM OTC	RUN 2
IE00BDZRXD00	11.15 XSMP	OBOE OBOE & ARM	5463005GIOHA4V/VQNV28

≣

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.



- 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):

@	DASHBOARD					OBOE 1	
t	APA & ARM REPORTING				iel1		•
۳	APA PRE-TRADE		FREE			FILTER	E
\bigotimes	COMMODITY REPORTING		TRADE REFERENCE ©	TRADING DATE TIME	PRE TRADE FLAG	ENTERING COUNTERPART	2
	SLC MANAGER		33TRADEREFERENCE/V/FD19452949/13	2014-10-25 17:51:18	48		۲
5	OTC TRADE		337RADEREFERENCEV//TD41467040713	2014-10-25 17:51:18	48		
			33TRADEREFERENCE/VFD41457779713	2014-10-25 17:51:18	40		Ð
S			S3TRADEREFERENCEV/FD41662665713	2014-10-25 17:51:18	4.5		
	ORDER ID MANAGER		33TRADEREFERENCEV/FD41082085856	2014-10-25 17:51 18	4-5		
ß			33TRACEREFERENCE/V/FD4106286666	2014-10-25 17:51-18	4.5		
0			4TRADEREFERENCE/V/F076452049713	2014-10-25 17:51-18	44		
0			3TRADEREFERENCEV/FD79K32W9713	2014-10-25 17:51:18	40		
•	About		4TRADEREFERENCE/VFD41457W9713	2014-10-25 17:51:18	45		
	O		4TRADEREFERENCE/VFD41457770713	2014-10-25 17:51:18	4-5		
1	New submission		STRADEREFERENCEV/FD41457649713	2014-10-25 17:51:18	45		

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:

📋 OBOE TRADE

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)

EURONEXT SATURN	1 DEV						080
						Itel1	
95 TRANSACTIONS	S	ELECT COLUMN TO	DISPLAY *	FREES	SEARCH Q		FILTER
STATUS OF TRADE #	REASON OF THE STATUS	TRADINO VENUE .	ISN 8	TRADE REFERENCE \$	TRADING DATE TIME	PRE TRADE FLAG	ENTERING COUNTERPAR
		xmman	PR000120644	TRUCEREPERENCET/RETORGEN415 REFORCESCON	2018-08-11 11 38-40 2018-08-29 00:11:20	muteu	544000UP2308Min/14/547
		XMSM	100000410721	REPOBLESCES	2016-05-35 22:40.15		644030V/75058/C/HC2130
		XMEM	1000802793000	REFORME5028	2018-08-30 10:40:22		54630553-04CJPPF1VH07
>		X08.	DUNL00104150	1%-00767070x0556.0121408749	2015-11-25 22:57:38	40	
		XERA	DURIL20003100	433178-0078278780000000000000000000000000000	2015-11-00 18-49-05	+5	
		xindar	E0054W27611	43277840ERGFERENCE082794832213759	2015-11-00 12:49:05	45	
		XATH	FROMETOROS	TRADEREFERENCES/LUESSIGHED	2015-11-19 17:11:20	+0	
-		NUT	FRENUD184208	4277426R6767850CE/VCS18894058	2015-11-17 11.98-47	45	
		XBRA	FREND2154080	TRADEREFERENCEOJA/10221148711	2015-10-29 14:20:45	45	
		ATTA	8/4/2007/200	TRADEPERENCE/CPRE18803106	2016-11-13 14:14:54	4.0	
-		X TRANSACTIONS S	NINNSACTIONS SELECT COLUMN TO Non- No	INTERSECTION SUBJECT COLUMN TO DISPLAY TOTAL TOTAL	X TRANSACTIONS SELECT COLUMN TO DISPLAY	Interactions DELECT COLUMN TO DISPLAY DECENCIL DECENCIL <thdecencil< th=""> DECENCIL DE</thdecencil<>	

The following default information is provided:

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

The window offers additional information and features:

• A "Free Search" field allows the possibility to search information from Free text fields:

FREE SEARCH

Transactions criteria – access to all transaction filters:

FILTER

=

Q

• Choice of the columns to display on the table:



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

FUNCTION	DESCRIPTION
3	Refresh button
	Display extended view of the report, i.e. all fields of the transaction (including client information)
X	Export to Excel. The exported file will contain the list of all transactions with all columns.
×	Cancel selected item
	Edit Selected Transaction
අ	Copy Selected Transaction
Ð	Insert a new transaction
	Generate ESMA Report
Ő	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 <u>Status</u>		
Checked & Ready	\bigcirc	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	A	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 \square , go directly to new view and click on "Insert Transaction" icon from the contextual menu in the right part of screen \square

OFF-BOOK ON EXCHANC	GE OBOE						
Total Transactions	ALL FAILED 112 59.89%	ALL CANCELLED	4 ALERTS 2.14%	4			
DETAIL	3						
						bnp20	
187 TRANSACTIONS	S	SELECT COLUMN TO	DISPLAY *	FREE	SEARCH Q		FILTER
STATUS OF TRADE \$	REASON OF THE STATUS	TRADING VENUE	ISIN ¢	TRADE REFERENCE +	TRADING DATE TIME	PRE TRADE FLAG	ENTERING COUNTERPART
		XMSM	IE00BDZRX000	TDD2A5LU4TE44541469	2018-09-18 11:11:12	7	7H6GLXORUGQFU67RNER7
		XMEMX	IE00BDZRXD00	TD02A5LU4TB4454145454	2018-09-18 11:11:12	7	7H8GLXDRUGQFU57RNE97
• •		XMSM	IED08D2RxD00	TD02A5LU4T84454145154	2018-09-18 11:11:12	7	7H6GLXDRUGQFU67RNE97
		XMSM	IE008D2F0x000	T002A5LU4T844541478542	2018-09-18 11:11:12	7	7H80LXDRU0QFU87RNE97
		XMSM	IED0BD2PXD00	TDD2A5LU4T844541895682	2018-09-18 11:11:12	7	7H6GLXDRUGQFU67RNE97
• •		XMSM	IE00802R×D00	SILCWNEMOZORIUKISWW02FEC3008J00	2018-09-18 11:11:12	7	7H6GLXORUGQFU67RNE97
. 0		XMSM	IE508027X000	1TFENGM7YRHOE42HF8SRXSX1E4FN9MU	2018-09-18 11 11 12	7	7H60LXDRU0QFU67RNE97
. 0		XMSM	IE00802RXD00	YGSSGQXXSYFJ5SJHOPWAFTYLD5232EJ	2018-09-18 11:11:12	7	7H6GLXDRUGQFU57RNE97
• •		XMSM	IE00802RX000	YOSSGOXXISYFJ55JHOPWAFTYLD5232EJ	2018-09-18 11 11 12	7	7H6GLXDRUGQFU57RNER7
. 0		XMSM	IE008D2RXD00	35X/0EXTRI290X52207LU00W+FEIT005	2018-09-18 11 11 12	7	7H6GLXORUGQFU67RNE97
		XSMP	IE00BDZRXD00	SRFYFTOE501509	2018-09-17 18:42:22		54630052KMCJPPF1VH37

7.4.1 Transaction Type : OBOE

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

	INSERT NEW TRANSACTION	
ERT NEW TRANSACTION	APA/ARM indicator : OBOE	•
ARM indicator : CHOOSE 🗸		OBOE Details
	Trade Ref	
	Executing Firm	Trading date time
	549300WCGB70D06XZS54	YYYY-MM-DDThh:mm:ss.dddZ
	Instrument Id	Venue
	Side CHOOSE	Trading Capacity CHOOSE
	Price	Quantity
	OTC Post Trade Id	Waiver Indicator CHOOSE
	Bypass Control Flag	
		Ĩ
	Counter Part Type CHOOSE	Entering Counterpart
	Deferral Indicator	Publication Datetime
	CHOOSE	 YYYY-MM-DDThh:mm:ss.dddZ
	<	>

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

INSERT NEW TRANSACTION	APA/ARM Indicator OBDE & ARM		8	INSERT NEW TRANSACTION APA/ARM indicator : 080E & ARM	-		APA/ARM indicator : 080E 8.7		8
	Transaction detail OBO	E Details Client detail		Transaction detail OBO	E Details	Client detail	Transaction detail		
	Trade Ref		î	Counter Part Type CHOOSE	Entering Counte	rpart	Side Type		. 0
	Trade Id			Deferral Indicator CHOOSE	Publication Date	etime DThhommoss.dddZ	Identification Code First Name Surname		
	Executing Firm 549300WCGB70D06XZS54		L	Euronext Trade Flags	Free Text		BirthDate	YYYY-MM-DD	
	Instrument Id	Venue	I.						
	Price	Price Notation CHOOSE							
	Guantity	Quantity Notation CHOOSE							
	Price Currency	Quantity Currency							
	Net Amount	Side CHCOSE							
	Transmission Order CHOOSE	Country Branch Membership							
	Trading Capacity 1 CHOOSE	Trading Capacity 2 CHOOSE	~						
CANCEL X INSERT +	CANCEL X	INSERT	+	CANCEL X		INSERT +	CANCEL X		INSERT +

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 :

ALL FAILED	107	ALERTS	4
60.45%		2.14%	

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

							💄 bnp20	
1 07 TF	ANSACTIONS		SELECT COLUMN 1	TO DISPLAY	FRE	E SEARCH Q		FILTER
STATU	S OF TRADE 🗢	REASON OF THE STATUS	TRADING VENUE \$	ISIN ¢	TRADE REFERENCE \$	TRADING DATE TIME	PRE TRADE FLAG	ENTERING COUNTERPART
	0		XSMP	IE008DZRXD00	SRFYFTOE501509	2018-09-17 18:42:22		54930052kMCJPPF1VH37
	0		XSMP	IE008DZRXD00	SRFYFTOE5015458	2018-09-17 12-42-22		549300SZHMCJPPF1VH37
	0		XMSM	IE008DZRXD00	TDD2A5LU4TB44255	2018-09-17 12:11:12	7	7H8GLXDRUGQFU57RNE97
	0		XMSM	IE008DZRXD00	TDD2A5LU4TB148593	2018-09-17 12:11:12	7	7H6GLXDRUGQFU57RNE97
	0		XSMP	IE008DZRXD00	SRFYFTOE5015148	2018-09-17 08:42:22		549300SZHMCJPPF1VH37
	0		XSMP	IE008DZRXD00	SRFYFTOE50151548	2018-09-17 08:42:22		540300SZHMCJPPF1VH37
	0		XMSM	IE008D27XD00	TDD2A5LU4TB4454354354	2018-09-15 01:11:12	7	7HSGLXDRUGQFUS7RNE97
	0		XMSM	IE008DZRXD00	TDD2A5LU4TB44154	2018-09-15 01:11:12	7	7H5GLXDRUGQFU57RNE97

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

OE	BOE Details			OBO	E Details	
Executing Firm	Trading date time	^			V	
549300WCGB70D06XZS54	2018-09-17T10:11:12.260000Z		Executing Firm 549300WCGB70D06XZS54		Trading date time 2018-08-25T10:10:12.260000Z	
Instrument Id	Venue					
IE00BDZRXD00	XMSM		Instrument Id		Venue XMSM	
	Trading Capacity					
BUY	CHOOSE		Side BUY		Trading Capacity DEAL	
•	(1001) missing	•		•	JEAL -	
Price	Quantity		Price		Quantity	
123.456	5000		145		23	
80111 price must be reported as a multiple of	3000	- 11	OTC Post Trade Id		Waiver Indicator	
à¬0.0001			LRGS	(and the second	PRIC	1
OTC Post Trade Id	Waiver Indicator			6	[8019] pric is only used under the requirements set out in article 6 - rts 1	
BENC	LIS	•	Bypass Control Flag			
Bypass Control Flag			Syptos contorring			
				<u></u>		
8025] by pass must be 0 or 1 for oboe trades	ř.		Counter Part Type		Entering Counterpart	
Counter Part Type	Entering Counterpart		CHOOSE	•	7H6GLXDRUGQFU57RNE97	
CHOOSE	7H6GLXDRUGQFU57RNE97		Deferral Indicator		Publication Datetime	
1001] missing	THOUGH BRITERIA	- 11	IMMEDIATE PUBLICATION	-	YYYY-MM-DDThh:mm:ss.dddZ	
Deferral Indicator	Publication Datetime		Euronext Trade Flags		Free Text	
IMMEDIATE PUBLICATION	2018-08-24T10:11:12.260000Z		5	_		
Euronext Trade Flags	Free Text	~				

After correcting the erroneous fields, click on the "UPDATE" button and confirmation message appears.



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 :

Image: constraint of the											💄 bnp20	
Image: constraint of the	8 TRANSA	ACTIONS	SELECT	COLUMN	TO DISPLAY	-		FREE	SEARCH	Q		FILTER
O TESTALSTIPACECOCCOCCC O O O 2019-06-29 19:01:33 690 513.339 O EXERCI-06-271 30198.001 XMEM BL033 5400044/04-07142/ML71 O TESTALSTIPACECOCCOCCC O 2019-06-29 19:01:33 690 191.108 0 EXERCI-06-271 305198.001 XMEM BL033 5400044/04-07142/ML71 O TESTALSTIPACECOCCOCCC O 2019-06-29 11:01:03 60111.108 0 EXERCI-06-271 20191.219 XMEM BL033 5400044/07-071 O TESTALSTIPACECOCCOCCC O 2019-06-29 17:10-09 12 XMEM BL033 5400004/007000022544 O TESTALSTIPACECOCCOCCCC O 2019-06-29 17:10-09 12 XMEM BL033 5400004/00700002544 O TESTALSTIPACECOCCOCCOCCC O 2019-06-29 17:10-29 O AM00817096 12 XMEM BL033 5400004/00700002540 O TEXALSTIPACECOCCOCCCC O 2019-06-29 19:01:33 64718.19 O EXERCI-06-271 201910-09 XMEM BL033 54000	HISTO	TRANSACTION REFERENCE NUMBER \$	ORIGIN 🗢	STATUS ≎	DATE ¢	QUANTITY	SIDE	SECURITY ID	PRICE	VENUE 🗢	BUSINESS UNIT 🗢	EXECUTING ENTITY ID
O TESTALSTRAGEOROGEO1 S O 2016-05-20 f601.33 69111.106 G ED350-46721 23551.2019 XMBM BL023 54600884948679/07021 O TESTALSTRAGEOROGEO1 S Q 2016-05-20 f601.33 69111.106 Q ED350-46721 23551.2019 XMBM BL023 54600884948679/07021 O TESTALSTRAGEOROGEO1 S Q 2016-05-20 f601.33 671/611.44 S ED350-46721 51025.94/05 XMBM BL023 5460084948679/07024 O TPAOE08000000 S 2016-05-20 f601.33 677/611.44 S ED350-46721 51025.94/05 XMBM BL023 54600044094170404.17 O TPAOE0800000000 S 2016-05-20 f601.33 647/61.239 S ED3000-46721 31010.8001 XMBM BL023 54600044094717404.17 O TPAOE0800000000 S 2016-05-20 f601.33 64011.239 S ED3000-46721 31010.8001 XMBM BL023 54600044094717404.17 O TPAOE080000001 S 2016-05-		TESTXLS1TRADEOBOER003	G	0	2018-08-29 16:01:33	6771611.49	S	IE00BD4H0F21	51325.09106	XMSM	BU020	5493001B2OGZ3KOG1G03
Image: Constraint of the		TESTXLS1TRADE08068002	6	0	2018-08-29 16:01:33	056128.330	6	IE008D4H0F21	336109.6001	XMSM	BU020	548300HUWQH7YHZVHL75
O TRADECORDERCCI O 2016-06-2016.03 071911.40 O EXCERCE-0671 5132.0100 XMEM BLCC3 54600182022X001003 O TRADECORDERCCI G Q 2016-06-2016.03 G 100 5120.0100 XMEM BLCC3 54600182022X001003 O TRADECORDERCCI G Q 2016-06-2116.0133 64913.230 G 86000140721 23619.0001 XMEM BLCC3 54600182022X001003 O TRADECORDERCCI G 2016-06-2116.0133 64913.130 G 86000140721 23619.0010 XMEM BLCC3 54600182002X00100.001	•	TESTXLS1TRADEOBOE6001	6	0	2018-08-29 10:01:33	591311.108	B	IE008D4H0F21	328551.2619	XMSM	BU020	549300BXEK8ERXF07G21
O TRADECIDEDEDIZ O S Q 2319-06-29 H0:133 645128.339 S EE0800-40727 33518.6001 XMEM BU033 5460004.00/4/74/24/LTS O TRADECIDEDEDIX S 2319-06-29 H0:133 649138.339 S EE0800-40727 33518.6001 XMEM BU033 5460004.00/4/74/24/LTS O TRADECIDEDEDIX S 2319-06-29 H0:133 649131.108 G EE0800-40727 33518.6001 XMEM BL033 5460084.00/4/74/24/LTS	•	TESTXLS1TRADREMRF558920180823	S	0	2018-08-23 17:19:40	12	U	AN8068571086	12	XOFF	BU020	546300WCG870D06X2S54
O TRADEGREERON S O 2016-06-20 16:01:33 NN111.105 EDESCH-0F2'1 220501.2010 XXEM ELCC3 546000000000000000000000000000000000000	•	TRADEOBOE8003	S	0	2018-08-29 16:01:33	6771611.49	6	IE008D4H0F21	51325.09108	XMSM	BU020	5493001B2OGZ3KOG1G03
	9	TRADEOBOE6002	S	0	2018-08-29 16:01:33	956128.339	6	IE00BD4H0F21'	336109.6001	XMSM	BU020	546300HUWQH7YHZVHL75
C THARENFESSION 10023 C C 2016/04/23 17:14-0 12 C ANGOMETIONS 12 XOFF BLOOD 5440000/CG6T0004/2354		TRADEOBOE6001	6	0	2018-08-29 16:01:33	591311.105	B	IE008D4H0F21	328551.2519	XMSM	BU020	540300BXEK8ERXF07G21
	•	TRADREMRF558920180823	S	0	2018-08-23 17:19:40	12	U	AN8068571088	12	XOFF	BU020	549300WCG870D06X2S54

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

Transaction detail	OBOE Details	Client detail		Transaction detail	OBOE	Details	Client detail
rade Id RADINGVENUEQBPU93570530)5		^	Counter Part Type CHOOSE	-	Entering Counte 549300B0VO	rpart 2CPH1DLK72
Executing Firm 5493001B2OGZ3KOG1G03				Deferral Indicator CHOOSE	-	Publication Date 2011-11-19T	etime 13:24:52.114600Z
nstrument Id E00BD4H0F21	Venue XMSM			Euronext Trade Flags		Free Text	
Price 51325.09106	Price Notation MONE			55	Ð		
Quantity 6771611.49	Quantity Notation UNIT	-					
Price Currency	Quantity Currency						
Net Amount 737724.4009	Side SELL	•					
Fransmission Order TRUE	Country Branch M	embership					
Frading Capacity 1 AOTC	Trading Capacity 2 CHOOSE	2					
Buyer Firm Id	Seller Firm Id						

After correcting the erroneous fields, click on the "UPDATE" button and confirmation message appears.



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.

							abnp20		
T 113 TR	ANSACTIONS		SELECT COLUMN T	O DISPLAY	FREE	E SEARCH Q		FILTER	E
STATU	S OF TRADE O	REASON OF THE STATUS	TRADING VENUE	ISIN ¢	TRADE REFERENCE \$	TRADING DATE TIME	PRE TRADE FLAG	ENTERING COUNTERPART	С
	0		XMSM	IE00BD2FxID00	TDD2A5LU4TB44541478542	2018-09-18 11:11:12	7	7H8GLXDRUGQFU57RNE97	
	0		XMSM	IE00BD2RXD00	SLLCWNEMO200/UKISMWDZFEC3008JG0	2018-09-18 11:11:12	7	7H8GLXDRUGQFU67RNE07	x 1
	•		XMSM	IED0BD2P0(D00	YGSSGQXKSYFJSSJHOPWAFTYLD6Z3ZEJ	2018-09-18 11:11:12	7	7H8GLXDRUGQFU57RNE97	(X)

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

12111-1010/0210	Z88Z06Z 10570	M1	JAMPA DU ZUZANIN.
			×
are you sur	e you want to cano	el items ?	
		✓ YES	× NO

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

OFF-BOOK ON EXCHANG	E OBOE				
Total Transactions	ALL FAILED	113	ALL CANCELLED	7 ALERTS	
192	58.85%	113	3.65%	2.08%	4

The status of trade cancelled changed from \heartsuit or $\stackrel{(0)}{•}$ or $\stackrel{(1)}{•}$ to \bigotimes

							bnp20	
7 TRA	SACTIONS	1	SELECT COLUMN TO	DISPLAY *	FREE	SEARCH Q		FILTER
STATU	S OF TRADE \$	REASON OF THE STATUS	TRADING VENUE	ISIN ¢	TRADE REFERENCE \$	TRADING DATE TIME	PRE TRADE FLAG	ENTERING COUNTERPART
	8		XMSM	IE008DZRXD00	TDD2A5LU4TB4454145154	2018-09-18 11:11:12	7	7H8GLXDRUGQFU57RNE97
	8		XMSM	IE008DZRXD00	TDD2A5LU4TB44541478542	2018-09-18 11:11:12	7	7H8GLXDRUGQFU57RNE97
	\$3		XMSM	IE008DZRXD00	1TFBNØMTYRHDE42HF8SRXSX1E4FNØMU	2018-09-18 11:11:12	7	7H8GLXDRUGQFU57RNE97
	8		XSMP	IE008DZRXD00	SRFYFTOE501589	2018-09-17 18:42:22		549300S2kMCJPPF1VH37

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:*

EURONEXT S	ATURN qa2									APA PR	RE-TRADE
									omp20		C
0 QUOTES	SELECT COLUMN TO DISPLAY 👻									FILTER	E
SECURITY ID	PRICE CURRENCY	міс	BID USER	BID DATETIME	BID SIZE	BID	ASK	ASK SIZE	ASK DATETIME	ASK USER	\boldsymbol{c}
					No records found						٢
										H et 1 De H 15	a 🖻

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
DID SIZE	Saturnieu	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).

	REFRESHALL 2									
ARM & APA POST-TRADE O	VERVIEW						Ľ			
Total Transactions	ALL FALED 93.4K	ALL ISIN PENDING 24.0K	ALL REJECTED 6	ALL CANCELLED 33	ALL PENDING 0					
73.1K	100%	32.87%	0.01%	0.05%	0.00%					
DETAIL										
OFF-BOOK ON EXCHANGE	OBOE						Ľ			
Total Transactions	ALL FALED 573	ALL CANCELLED 13	ALERTS 107							
925	61.95%	1.41%	ALERTS 107							
DETAIL 🗃										
POSITIONS OVERVIEW							Ľ			
Total Positions	ALL FALED 721	ALL HEDGING 14	ALL NOT HEDGING 724	ALL CANCELLED 7						
752	95.88%	1.06%	96.28%	0.93%						
DETAIL 📰										
SHORT/LONG CODE OVERV	леw						ď			
Total Codes	ALL FALLED 0	ALL FURDNEXT 0	ALIBN 0	All Signa-X-UK 0	All Sirms-X-FU 0	ALL Synapose 0	ALL AV Block Trading			
0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
4							5			

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.

0

								🛔 usertt		6
peer coor	6		s	ELECT CO	LUMN TO DISPLAY				YATE	
i becer	10006.8	1040 0000 #	0400.07	abetua e		-	EPERTUR DATE 8	exclusion a		0
	- u	distance.	april carses	0	Ramoles West Fritzen and Reference (1)	Arrest	(and the second	100-01-0		R
1		utradicities/	2010/06/06 01	0	inanian'i Sanan West, Fre as at Apr	Arrest -	104.00A	4127 106 16		
	0.00	10000000		0	construct Dancer With Fire as a failure (I	-breest		100.00		
	*101*1	dimension in the second	get in a regain	0	Dari technici et a latore (Da Pini,	Report.	100.000			1.0
1	4140000	L(NAUCON HARD	2011-11-00 (R.24.44	•	Derivatives and shares the Paris	Arrest	annaan			•
	2124044	199120-0440		0	Derivation auf balanci dur Poly	Arrest				
	-	(And Contraction of C	2010/02/1014	0	Designer dates from as a figst value.	Sent.	201-014	10.01		
8	-1012/0002	administration of the		0	Energy West Press and April 1994	Spar.	2016-01-10	300404-08		
	1122429	10400008146	211102103431	0	Camples West Trans Street (1)	Spart 1	82500	1004-0210		
		unaneer.		0	Conception we have been been as the	Spart	2020.04.00			
		- London and A		0	Annual and the Print of a stage setue	Spect.	2040-0	-2006-01-00		
		12400000440	01021004	0	Constant dataset from an a fight, where	Spect.		200404		
10	1001040110	104000		0	The Daniel of Dates (Selection 1.1)	Spect	(and all of			
8	-0002475	1296610082171	201-021-034-01	0	manufacture data and the second spectrum	Spint .	214.625	mon		
		100000000000	1011-1017-1014-17	0	Company of Concession and Concession of Concession, Name	Spin 2	2010/01/1			

On the dashboard page, the "DETAIL" Button:

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

SHORT/LONG C	KORTILONG CODE OVERVIEW									
Total Co	des ALL FALLED	a ALLEU	ONEXT 0 AL		gen-X-UK 0 ALLS	ane X-EU 0	ALL Synapse 0	ALL AX Block Trading		
10.1		0.00%		0.001			ALL Synapse 0 0.00%	0.00%		
DETAIL	-									
17 ITEMS							FILT	ER B		
5147V5 •	TOTAL B	DATE #	MARKET TYPE 8	U108 B	PARTICIPANT ID .	PART				
0	12528	2017-10-10	Econol	larg 11	000	20179				
0		2017-02-27	Spin-1	truit .	000	10879				
0		2017-10-27	format.	traili	000	0879				
0		2017-10-27	Luneviewy	10mg20	000	20879				
0		2017-01-08	Evened	tequilit	000	20879				
							H H I			

≣

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

SLORTLONG O	ODE OVERVIEW							3
Total Co	iw AU, PALED	t ALLEON	UNEST B A	L 808. 0	ALL Signar S. UK	41. Spra X-E0 E	All, Sympto	A MULAR Block Tealing
10.1	K ••••	0.00%	a	00%	0.00%	0.00%	0.00%	0.00%
DETAI	=							×
17 ITEMS						×		
50.02 8	10 M. #	ours a	MARKET OF T	USE (7		DALE		STALUS
0	(more	20140-0	CHEMER		eren .	Fight -	To	CHOCSE -
0	Ð	2010/06-01	Dyce 1		UVD.	IC IM		PARTICIPANT NAME
•		2017 45 27	Derivation 1		lana00	 Fixe	To	
0		V BARRAN	/ unimary		2000 I	USER	BARTICIPANT ID	MARKET TYPE Signali
0	,	2217-11-01	Dava et.		L VD			
						CLEAR LENS		iais 🖉

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:

T 2 ITEMS							
STATUS #	TOTAL .	647E #	WARET TYPE +	usen +	PARTICIPANT ID .		
0	24	897-047	Synax	brgill	00000879		
0		2017-10-28	Synax	apt/me2	00000879		
						H H	H H 5 •

9.2 SLC CONSULTATION

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

								å		6
0000 COO	CK .		S	ELECT CO	LUMN TO DISPLAY				PATER	
Decker	10000 0	4040 DOUG #	84114	analus a	construct a	-	APPECTAL DATE: 0	-	-	3
1		LOwlocotta	21-2107	۲	Rampine Millio Frid at a failure IC	house	214-516	220.014	142	10
	14	Linearanan	107-1410-017	0	transaction (min from a series	deriver.	210.010	201103-0	California	
1	14	(04003052)	2010/06/06 01 01	0	Construct Surgery States Free as a Satural S	from .	214.458	005-05-14		
10	-	(And the second se		0	Carl sectors a chever 0 a field.	heree	gannag			41
	4010103	covercise care	21103124	0	Certilections a terms 2 a Pete.	docume.	3411110-01			Ð
	2124048	10210/2020/00	100 (0. 10. (c) (c)	0	Cart methods as a beauty in a Perio.	former.	percent.		99.01	
11	-makersel	ubvécénikum-	2010/07/01/07	0	Description of the Property states	Tare 1	2011-01-01		test.	
	-0713-0862	T0x000043%LM	1010-0141-014-01	0	Streamer (1999) For an a fight set at	Same -		2020-01-02	mail	
	01004008	100000009-000	201-021-04421	0	1000000 0000 First as a females 10	Spec 7	20+0-0	1010.0	100	
1		-institution	20.01.000	۲	mannet factor With Frence Age.	Spect.	and the second second	mont		
	wateries	Linectotie	101110-01110-011	0	frances and for an engineers	1041	2144-4	228.01.18	and the	
		.000000-00	1017-0147 10104	0	Entering the first at a tips, situal	April 1	21-10-12-10	2020-02-10	****	
11	1001048778	Lawecountgeam	arrived weeks	۲	Test Danaling Brites Table at a 18	19141	2020-02-01	104-02-11	100	
11	-110210020	A PARTY NAMES OF TAXABLE PARTY.	ALC: NO. 7 1944	0	magnetic barren den for an enge	Spar	(114-14-24	Street.	mail	
10.	- Palaneet -	LINGCONTROL	2017/02110-041	0	Standard Million Print and Appl. Annual	Square.	2040-0	100101-07	1000	

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 EU and UK MIFID II Order Record Keeping (RTS 24).			
DATE	YYYY-MM-DD HH:MM:SS	Saturn field	Date/Time of last update of the SLC			
STATUS		Saturn field	Indicates the current status of the SLC A status description is available on roll-over			

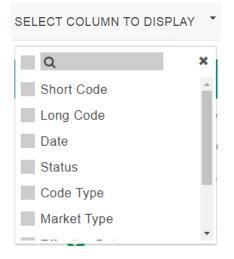
COLUMN	ICON /FORMAT	SOURCE	DESCRIPTION
			Checked & Ready
MARKET TYPE	Multi-choice	Saturn field	The market data
EFFECTIVE DATE	YYYY-MM-DD HH:MM:SS	Saturn field	Date as of which the short and long code mapping is effective.
END DATE	YYYY-MM-DD HH:MM:SS	Saturn field	When filled, indicates when the registration for the short and long code mapping is no longer effective End date must be greater than the effective date.
USER		Saturn field	User that inserted the SLC
FIRST NAME	AlphNum	Saturn field	Full first name of the natural person.
SURNAME	AlphNum	Saturn field	Full Surname of the natural person.
DATE OF BIRTH	YYYY-MM-DD	Saturn field	Birth Date of the client natural person.
LONG CODE 2	AlphNum	Saturn field	Long code that will be populated for the purposes of EU and UK MIFID II Order Record Keeping (RTS 24). (for joint account)
FIRST NAME 2	AlphNum	Saturn field	Full first name of the natural person. (for joint account)
SURNAME 2	AlphNum	Saturn field	Full Surname of the natural person. (for joint account)
DATE OF BIRTH 2	YYYY-MM-DD	Saturn field	Birth Date of the client natural person. (for joint account)

The window offers additional information and features:

■ SLC criteria – access to all SLC filters:



• Choice of the columns to display in the table:



FUNCTION	DESCRIPTION
\mathbf{C}	Refresh button
X	Export to Excel. The exported file will contain the list of all SLC with all columns.
8	Cancel selected SLC
	Edit selected SLC
2	Insert a new SLC via Copy
Ð	Insert a new SLC

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

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 realtime 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	\bigcirc	Compliant SLC
Failed		 Failed: SLC contains errors. Failed SLC can be corrected and re-submitted for Euronext validation. By clicking on the line, users can get access to the list of errors.

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:

ALL FAILED	2371
13.95%	

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

549300IVCJ7FAYQ3IT	
	must be exactly equal to 20 characters)
Effective Date	First Name
YYYY-MM-DD	
Surname	Date of Birth
	YYYY-MM-DD
Joint Account	
NO	~

- 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.

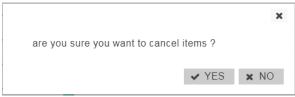


Choose the SLC to cancel by checking the checkbox on the left of the screen.



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

10. A confirmation message appears:



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:

										å 11	8	
007 0000			SI	ELECT CO	LUMN T	O DISPLAY						FATER
	0000.0		0475 B	-	-	SHORT CODE		LONS CODE	v	FECTIVE DATE		
	1.4411	Lineacougu	100000-00-00-00-00	۲					Fa	200		- Ta
		iberconto-	411111111111111111111111111111111111111	۲	in matte	SAUDKET TYPE CHOCKE		CODE TYPE CHOOSE	- E4	IC DATE		· 16
1	1.1	104000001	2011-11-09-00-00-01	0	-	status		USER				
£	#1014		1011-11-00 FT 102-00	0	Queries	CHOOSE	1					
£	an ordered	(2%862209 (1001)	2010/10/06 (0.26-06	0	Certin		-					-
£	2124040	10010200000	41711010400	0	Carlos	111 at 111 lat.	×					808 C
	-	040000	.211 45-27 How17	0	Anna	an ann for a sign on a		Salah.	333+04-28			100
		unerologichi	3017-10-27 10:31-37	۲	-	an Altern Part of a Part, second		Spin .	1010.01.01			141
	-	LINE COLOR IN	3111-0-37 19-34-37	0		an deter free as a famous (d)		Agent (011-0-1		0.00	mail
			2017-10-27 Hole 07	0	-	Deces Other Free as an Equi		Spect.	June 14		16 16 16	
	-	contractor	1011-0127-0124-01	0	. terro	an data fi a a a sign sana		Spect	0000	1.		
		109000009448	207-047-04007	0	1.000	and the second second second		Aprel .	214-014			100
	101104110	- Provide States	-	0	-	the second second process		Apres 1	000141-11			****
1	anizes.	02980.0081817	2010-017-01607	0	-	Chevron drive free as an inpat		Spect.		5 9	100	9922
		1004000000444	and said second	0		Chargest Million Free and Aliger		Servi .	make		NAME:	140

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:

Ð

Click on "Insert Code" icon from the contextual menu in the right part of screen. The new SLC overlay is displayed:

Short Code	Market Type
Code Type CHOOSE	
Long Code	
Effective Date	First Name
YYYY-MM-DD	
Surname	Date of Birth
	YYYY-MM-DD
Joint Account	
NO	$\overline{\mathbf{v}}$

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

9.7.1 Client Natural ID SLC Mapping – non-MiFID Members only

1) In case of a SLC submission for a **Client Natural ID Long Code**, the following fields must be populated:

- First Name, Surname and Date of birth.

Short Code	Market Type
Code Type CLIENT IDENTIFICATION	AS A NATIONAL ID OR PNAL
Long Code	·
Effective Date YYYY-MM-DD	First Name
Surname	Date of Birth YYYY-MM-DD
Joint Account YES	•
Long Code 2	First Name 2
Surname 2	Date of Birth 2 YYYY-MM-DD

2) And if the **Client Natural ID Long Code** correspond to a joint account, the following additonal fields must be populated:

- Long Code 2, First Name 2, Surname 2 and Date of birth 2.



The fields First Name, Surname, Date of Birth, Long Code 2, First Name 2, Surname 2 and Date of Birth 2 are mandatory for non-MiFID Members only.

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.

EURONEXT SATURN qa2			COMMODITY REPORTING
		۲	bnp20
POSITIONS	SELECT COLUMN TO DISPLAY	FREE SEARCH Q	FILTER 🛤
HISTO REPORT REFERENCE NUMBER \$	STATUS C HOLDING POSITION TRADING DAY C DATE C	REPORTING ENTITY ID + POSITION HOLDER ID + POSITION HOLDER ID TYPE	• TRADING VENUE IDENTIFIER •
		No records found	
ITIONS OVERVIEW			
Total Positions ALL FAILED	49 ALL HEDGING 26 ALL NOT HEDGING	ALL CANCELLED 1	
51 96.08%	49 ALL NOT RECOINS 28 49.02%	ALL CANCELLED 1	
TAIL			

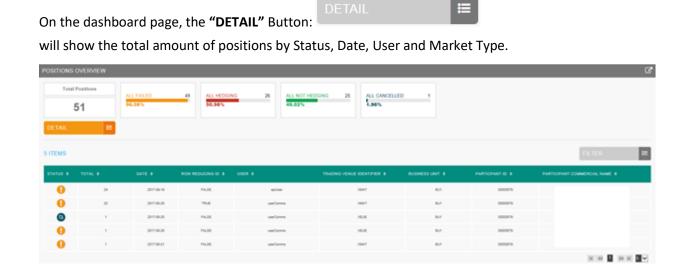
The blocks "ALL FAILED", "ALL HEDGING", "ALL NOT HEDGING", "ALL CANCELLED", are clickable and redirect to a pre filtered list of positions.

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



26 POSITIONS	ITIONS SELECT COLUMN TO DISPLAY			•	FREE SEARCH	Q	FILTER		
USINESS 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	262693	52103	292972	786800	TRUE		
BU1	Futures	Spot month	650444	150007	89570	888317	TRUE		
BU1	Futures	Spot month	744148	10306	131144	513103	TRUE		
BU1	OTC equivalent	All other months	4569-48	340984	652316	065977	TRUE		
BU1	Futures	Spot month	527190	577349	457123	468085	TRUE		
BU1	Options	Spot month	409038	804548	347130	81026	TRUE		
BU1	OTC equivalent	All other months	413083	89660	679603	928970	TRUE		
BU1	Futures	All other months	005240	211788	07500	220807	TRUE		
BU1	OTC equivalent	All other months	64417	851001	370653	83853	TRUE		
BU1	OTC equivalent	All other months	714180	435409	401951	175405	TRUE		
BU1	Options	All other months	307749	551540	722228	965477	TRUE		
BU1	Options	Spot month	247529	584324	172328	043040	TRUE		
BU1	OTC equivalent	Spot month	776743	730411	180042	72582	TRUE		
BU1	OTC equivalent	All other months	120085	304459	380220	9903999	TRUE		
BU1	Options	Spot month	874232	185781	376902	468199	TRUE		

K ≪ 1 2 D N 15 ✓



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

POSITIONS	OVERVIEW								
Total	Positions	ALL FAILED	49 ALL HEDGIN	IG 26 ALL NOT HED		ALL CANCELLED 1			
	51	96.08%	50.98%	49.02%		1.96%			
DETAIL	i=								
ITEMS									FILTER
STATUS ©	TOTAL O	DATE O	RISK REDUCING ID	USER \$	TRADING VENUE IDE				
						DATE			BUSINESS UNIT
0	24	2017-09-19	FALSE	spiUser	XM	DATE	- To	CHOOSE	BUSINESS UNIT
0	24 23	2017-09-19 2017-08-25	FALSE	apiUser userCommo	XM/	DATE	- <u>To</u>	CHOOSE	
					XMA	From TOTAL From	- То	CHOOSE -	
0	23	2017-08-25	TRUE	userCommo	300/ 300/	From		CHOOSE	PARTICIPANT NAME
() (3)	23	2017-08-25 2017-08-25	TRUE	userCommo	300 300 XEL	From TOTAL From USER	- То	CHOOSE VENUE RISK REDUCING ID	PARTICIPANT NAME

Ħ

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:

Т тлем	IS							FILTER III
STATUS #								PARTICIPANT COMMERCIAL NAME
0	20	2017-08-28	79.6	undaren	and	84	00000179	
								H 44 9 H 8 V

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:

EURONEXT SATURN qa2					COMMODITY REP	ORTING
				> bnp20		C
0 POSITIONS	SELECT COLUMN TO DISPLAY		FREE SEARCH	Q	FILTER	E
HISTO REPORT REFERENCE NUMBER \$	STATUS & HOLDING POSITION TRADING DAY & DATE	REPORTING ENTITY ID	POSITION HOLDER ID 0	POSITION HOLDER ID TYPE	TRADING VENUE IDENTIFIER	С
		No-records found				\bigcirc
					H ≪(¹) → H ¹⁵ ∨	 ⊥ ↓ ↓

The list of commodity positions are displayed as follows:

EUR	RONEXT SATURN qa2					🚯 DASHBOARD		G 🗘
							CommoUser	
37 PC	OSITIONS	SELEC	T COLUMN TO DISPLAY	-	FREE SEARCH	Q	FILTER	:
F	REPORT REFERENCE NUMBER 🗢	STATUS 🗢	HOLDING POSITION TRADING DAY	DATE 🌣	REPORTING ENTITY ID 🗢	POSITION HOLDER ID O	TRADING VENUE DENTIFIER \$	C
	QAT CO MM 00 03	•	2017-01-10	2017-11-13 14:35:02	2138007TNJ412N79RU03	2138007TNJ412N79RU03	XMAT	0
	HPWM01KQ50	0	2017-08-02	2017-11-09 10:22:48	7H8GLXDRUGQFU57RNE97	R0MUWSFPU8MPRO8K5P83	XEUE	2
	TRADEREFERENCE597	•	2017-11-21	2017-10-11 14:53:39	54930012Y1LCN3FHSB30	549300FEXEH0B3TS5U26	XMAT	6
	TRADEREFERENCE598	•	2017-11-25	2017-10-11 14:53:39	549300 FEXEH0 B3 TS 5U 25	54930035Z08DW3R34538	XMAT	
	TRADEREFERENCE595	•	2010-10-13	2017-10-11 14:53:39	549300 FEXEH0 B3 TS 5U 25	549300 5GIO HA 4V VQ NV 28	XMAT	Ľ,
	TRADEREFERENCE594	•	2015-10-29	2017-10-11 14:53:39	54930012Y1LCN3FHSB30	549300 OE V8 QJ 44 FN U7 39	XMAT	E
	TRADEREFERENCE593	•	2016-10-25	2017-10-11 14:53:39	5493009Z76P5B851RY34	549300FEXEH0B3TS5U26	XMAT	
	TRADEREFERENCE592	0	2017-10-11	2017-10-11 14:53:39	549300 FEXEH0 B3 TS 5U25	549300KFCCJ1Y2M20965	XMAT	
	TRADEREFERENCE591	0	2015-11-29	2017-10-11 14:53:39	549300BXEK8ERXF07G21	549300 BXEK8ERXF07G21	XMAT	
	TRADEREFERENCE590	0	2016-11-16	2017-10-11 14:53:39	5493003SZ08DW3R34S38	549300UPZ83BMVN7WS47	XMAT	
	TRADEREFERENCE587	0	2017-11-21	2017-10-11 14:49:50	54930012Y1LCN3FHSB30	549300FEXEH0B3TS5U26	XMAT	
	TRADEREFERENCE586	•	2017-11-26	2017-10-11 14:49:50	549300 FEXEH0 B3 TS 5U 26	5493003SZ08DW3R34S38	XMAT	
	TRADEREFERENCE585	0	2018-10-13	2017-10-11 14:49:50	549300 FEXEH0 B3 TS 5U 25	5493005GIOHA4VVQNV28	XMAT	

COLUMN	ICON /FORMAT	SOURCE	DESCRIPTION
SELECTION		Saturn field	User can select one or multiple positions: 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	Indicates the current status of the position report A status description is available on roll-over Accepted -10-18 08:20:22
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		
Euronext <u>Statuses</u>			
Checked & Ready		Checked & Ready: Position report validated	
Failed		 Failed: Position report contains errors. Failed position reports can be corrected and resubmitted 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 : Position report cancelled by user	
Pending		Processing of position report is pending. This status code is used in case the position report cannot be validated due to missing reference data.	

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:

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 V
Free Text1	Free Text2
Smith	Henry
Free Text3	Free Text4
Gris	Audi
Free Text5	
Londres	

11. After correcting the erroneous fields, click on the "UPDATE" button. A confirmation message appears.

12. 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 positon:

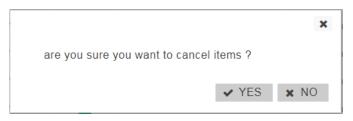
13. From the Transaction details screen, choose the lines to cancel.



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:

				FREE SEARCH	Q	FILTER
REPORT REFERENCE NUMBER \$	STATUS \$	HOLDING POSITION TRADING DAY	DATE O	REPORTING ENTITY ID \$	POSITION HOLDER ID \$	TRADING VENUE IDENTIFIER +
TRADEREFERENCESVEA8376670483	0	2017-10-20	2017-09-19 11:59:40	549300FN297DX0FX0T14	5493009276P58851RY34	XMAT
TRADEREFERENCELYFY3830588801	0	2016-10-23	2017-09-19 11:59:40	549300UP2838M/N7W547	540300EXEKSERXF07G21	XMAT
TRADEREFERENCERYFF3824385596	0	2015-10-10	2017-09-19 11:59:40	540300FEXEH083TS5U28	546300FEXEH063T55U28	XMAT
TRADEREFERENCEIPWQ1205641032	0	2017-10-21	2017-09-19 11:58:40	548300/VCJ7FAYQ3/780	5463003SZ08DW3R34S38	XMAT
TRADEREFERENCESBTG696884258	0	2017-11-24	2017-09-19 11:59:40	549300/VCJ7FAYQ3/760	549300KFCCJ1Y2M20965	XMAT
TRADEREFERENCEZHGT6540041583	0	2016-10-13	2017-09-19 11:59:40	540300K8VS72R87WM840	5403003SZ08DW3R34S38	XMAT
TRADEREFERENCENWW/G706888862	0	2016-11-18	2017-09-19 11:59:40	546300HUWQHITYHZVHL75	546300FN297DXGFX0T14	хмат
TRADEREFERENCEN-H0/4724098444	0	2017-10-28	2017-09-19 11:59:40	5403008XEK8ERXF07021	549300UP2838MVN/7W547	XMAT
TRADEREFERENCECRPT#6105#2222	0	2015-11-15	2017-09-19 11:59:40	54930035Z08DW3R34538	549300FEXEH0B3TS5U26	XMAT
TRADEREFERENCELKFU8789769411	0	2015-11-25	2017-09-19 11:59:40	540300UP2838M/N7W547	5483000EV80J44FNU738	хмат
TRADEREFERENCEHTBU8007357549	0	2018-10-14	2017-09-19 11:59:40	5463005GIOHA4V/QNI/28	5493005GIOHA4VVQNV28	XMAT
TRADEREFERENCELHMT5076082302	0	2017-11-28	2017-09-19 11:59:40	5493008XEK8ERXF07021	549300UP283BM/N7WS47	XMAT
TRADEREFERENCEBCIU2834817457	0	2015-10-21	2017-09-19 11:59:40	549300KFCCJ1Y2M23985	549300/VCJ7FAY(23/780	XMAT
TRADEREFERENCEPCUC8109034029	0	2017-10-24	2017-09-19 11:59:40	5493000EV8QJ44PNU739	546300HUWQH7YHZVHL75	XMAT
TRADEREFERENCE/TPJ8322854757	0	2017-11-18	2017-09-19 11:59:40	549300H8V\$72R87VM/549	54R000FEXEH083TS5U26	XMAT

Two types of views are available:

- a) Restricted view: the most important data for the position report is displayed;
- b) 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:

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

The overlay with all fields is displayed.

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	test3@demo3.com
[11] wrong esma code. not referenced.	
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	

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

10.7 POSITION CRITERIA

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

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

Click on the "RUN" button to apply selected filters:

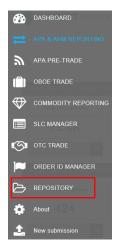
10.8 LIST OF INSTRUMENTS ON THE COMMODITIES WITH THEIR ISIN CODE AND SPOT MONTH INDICATOR

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

Reporting of options on futures contracts follows the same logic as for their equivalent futures: options that have the spot month future as their underlying will also be classified as spot month options. As a reminder, there are only expiries of a monthly nature on MATIF contracts and the issue of infra maturities as mentioned in the ESMA Q&As does not arise.

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

• Go to Repository in the Saturn main menu



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

FILTER		
ISIN	CFI CODE	MIC
	3	XMAT
CLEAR ITEMS	×	v C

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

	ISIN:	FRENX0011028
T 3.1K INSTRUMENTS	AMR:	YFEC0161100000F
FRENX0000393 (XMAT)	Venue:	XMAT
FRENX0000625 (XMAT)	Currency:	EUR
FRENX0000708 (XMAT)	Classification Trans	FCAPSX
FRENX0000815 (XMAT)	Classification Type:	FURPSA
FRENX0000856 (XMAT)	Product Code:	ECO
FRENX0000914 (XMAT)	Symbol Index:	4226300016
FRENX0000922 (XMAT)	Underlying Product Code:	ECO
STRENX0000930 (XMAT)	Underlying Name:	Rapeseed / Colza
FRENX0001177 (XMAT)		
FRENX0001243 (XMAT)	Tick Size Numerator:	25
FRENX0001565 (XMAT)	Tick Size Denominator:	100
FRENX0001664 (XMAT)	Is Deleted:	
FRENX0001961 (XMAT)		
FRENX0002043 (XMAT)	Is Liquid:	
FRENX0002050 (XMAT)	ADT:	0.00000
FRENX0003983 (XMAT)	LIS PreTrade:	0
FRENX0004775 (XMAT)		
FRENX0005053 (XMAT)	LIS PostTrade:	0
FRENX0005061 (XMAT)	SSTI PostTrade:	0
FRENX0005079 (XMAT)	Expiry Date Offset:	Other maturities (2)
FRENX0005087 (XMAT)		
FRENX0010988 (XMAT)	Sent To MDG:	

FILTER

:=

• 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

	_	
T 3.1K INSTRUMENTS	×	ວ
☑ FR0000120644 (XMAT)		-

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. OTC TRADE FACILITY

11.1 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

EURONEXT SATURN prod		PROFILES MANAGEMENT
NEW USER 🔥 NEW BU 🚰	PRITER 🗮	dieblache 🕞
T 1 PARTICIPANTS	R 2 * *	
▶ 🏛 Euronext NV (NXT00000) O		

Thereafter, click on New Profile

EURONEXT SATURN prod	😤 USERS MANAGEMENT	•
	$\ \xi_{\rm D}^{\rm s} _{\rm D}^{\rm D} = {\rm diablache}$	۲
19 PROFILES	277	

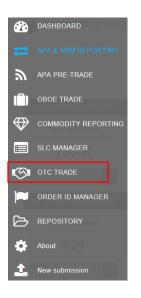
And then check the boxes related to OTC Cleared Facility

Dashboard ARM				
Upload ARM Trades				
Dashboard ARM Trades				
Dashboard Commodities				
Upload Commodities				
Orderld manager				
Upload Orderld				
OTC matching	~	v		
Upload OTC Matching	~		V	
Profile Management				
Referencial manager				
SLC manager	10.00			

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

11.2 OTC CLEARED – EXAMPLE

• Go to OTC Trade in the Saturn main menu



• Click on Insert OTC Transaction

EUR	ONEX	T SATURN peua					🌝 отс те	RADE
TRANSAC	CTIONS	3					FILTER	:
STATUS	s 🗢 1	TRANSACTION REFERENCE NUMBER \$	TRADING DATE TIME	OWNERSHIP	SIDE 🖨	SECURITY ID	PRICE	
STATUS		TRANSACTION REFERENCE NUMBER \$	2018-07-18 14:08:39		SIDE \$	SECURITY ID FR0000133308	PRICE 35.45	
	>							
	3ª	1531915597940000	2018-07-18 14:08:39	C	C	FR0000133308	35.45	EUR
© ©		153191597940000 091234509	2018-07-18 14:08:39 2018-03-19 11:22:22		G	FR0000133308	35.45 35.45	EUR

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 H	IOUSE 🗸

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	•	

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

URONEX	SATURN peua								отс 🕲 т	TRADE
									<u> </u>	
NSACTIONS									FILTER	
	RANSACTION REFERENCE NUMBER \$	TRADING DATE TIME \$	OWNERSHIP	SIDE \$	SECURITY ID	PRICE	CURRENCY	QUANTITY	GUARANTEE FLAG	ENTERIN
	RANSACTION REFERENCE NUMBER ¢ 1531919644142000	TRADING DATE TIME . • 2018-07-18 15:14:04	OWNERSHIP	side ¢	SECURITY ID FR0000133308	PRICE	CURRENCY	QUANTITY	GUARANTEE FLAG Cleared and Guaranteed by a Clearing House	ENTERIP
STATUS + TI	1531919844142000 on reference number [153191964	2019-07-18 15:14:04 4142000]			THE R. LEWIS CO.	6002				ENTERIN
STATUS + TI	1531919844142000	2019-07-18 15:14:04 4142000]		0	FR0000133308	14.2	EUR	94449	Cleared and Guaranteed by a Clearing House	ENTERIN
STATUS + TI	1531919844142000 on reference number [153191964 RINGCOUNTERPART][1015] Entering Counterpart sh	2018-07-18 15:14:04 4142000] @ ould be empty		0	FR0000133308 FR0000133308	14.2 35.45	EUR	94449	Cleared and Guaranteed by a Clearing House Cleared and Guaranteed by a Clearing House	ENTERIN

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

EURONEX	T SATURN peua								100 0TC	TRADE 🗘
ANSACTIONS	3								FILTER	
STATUS \$ T	TRANSACTION REFERENCE NUMBER \$	TRADING DATE TIME	OWNERSHIP	SIDE 0	SECURITY ID	PRICE	CURRENCY	QUANTITY	GUARANTEE FLAG	ENTERING
	TRANSACTION REFERENCE NUMBER •	TRADING DATE TIME \$ 2018-07-18 18:02:83	ownership	side +	SECURITY ID FR0000133308	PRICE	CURRENCY	QUANTITY 94449	GUARANTEE FLAG Cleared and Guaranteed by a Clearing House	ENTERING
5										ENTERING
9	1531919644142000	2018-07-18 16:02:63	0	Θ	FR0000133308	34.2	EUR	94449	Cleared and Guaranteed by a Clearing House	ENTERING
9	1531919544142000	2018-07-18 18:02:53 2018-07-18 14:08:39	0	0	FR0000133308 FR0000133308	14.2 25.48	EUR	04440 04440	Cleared and Guaranteed by a Clearing House Cleared and Guaranteed by a Clearing House	ENTERING

Description
Code used to identify the financial instrument. This code has to be processed with the MiFID Instrument ID Type
Price of an instrument in a Saturn declaration
Currency in which the price is expressed
This field indicates the settlement delay in trading days, from 0 to 30 days
This field indicates if the trade is guaranteed or not (for clearing purposes)
Transaction side
Total transaction quantity
Code used to identify the entity executing the transaction
This field indicates the account type for which the transaction is entered.
Client ID
This field indicates the account type for which the transaction is entered
Clearing firm Identification.

REVIEW LOG, DOCUMENT HISTORY, SIGN-OFF

REVIEW LOG

DOCUMENT NAME	Saturn - User Guide - Euronext Cash and Derivatives Markets
VERSION	5.351.0

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	 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	The following section was updated: - <u>Section 9.1 Dashboard</u> – a new Market Type block "Sigma-X EU" and respective SLCs list are available. The images were also updated
2.6	October 2021	Euronext	 The following sections have been updated: <u>3.2 Logging in</u> (RSA and TOTP Two-Factor Authentication) <u>4.1 Logging in</u> <u>3.5.4 Change User's 2FA mode</u> In <u>1.1 MiFID II Euronext Reporting Services</u> (Added a reference on UK DRSP regulatory framework governing.)
2.7	December 2021	Euronext	 Added Section <u>2.3 Password Policy</u> The following sections have been updated: In <u>1.1 MiFID II Euronext Reporting Services</u> : Added a reference on UK onshored regulation. In <u>1.2 Trade Publication and Transaction Reporting Functionalities</u> : Added a reference on UK onshored regulation.
2.8	December 2021	Euronext	The following sections have been updated: - In Preface : Added a reference on UK onshored regulation. - In 1.1 EU and UK MiFID II Euronext Reporting Services : Section has been renamed and added a reference on UK onshored regulation. - In 1.2 Trade Publication and Transaction Reporting Functionalities : Added a reference on UK onshored regulation. - In 5.1 Transaction Report consultation OUK onshored regulation.

VERSION NO.	DATE	AUTHOR	CHANGE DESCRIPTION
			 In 7.2 Transaction Report consultation : Added a reference on UK onshored regulation. In 9.2 SLC consultation : Added a reference on UK onshored regulation. In 10.8 : Added a reference on UK onshored regulation.
2.9	March 2022	Euronext	 The following sections have been updated: Section 2.3 <u>Password Policy</u>: Updated password historization policy. Addition of section 3.8 <u>E-mails notification</u>: clients may provide e-mails for Euronext communications.
5.16.0	Jun 2022	Euronext	 The following sections have been updated: Section <u>2.2 Configuration</u>: URL are updated Section 6.3 <u>Amending A failed or Rejected Transaction</u>
5.18.0	September 2022	IT Market Services – WMA	 The following sections have been updated: Section <u>Editing a Transaction</u>: Trade ID field is greyed out as it is automatically filled with the Trade Unique Identifier (TUI) by the System for APA Transactions
5.28.0	31 Jul 2023	IT Market Services – MME	 Section 9 <u>Short-long codes management services</u>: Updated with new print screens since functionality improvement. Added Section 9.7.1 <u>Client Natural ID SLC Mapping – non-MiFID Members only</u>: New required fields for non-MIFID members only. Removed Section Order ID Management Service: Depreciated service.
<u>5.351.0</u>	28 Oct 2024	<u>IT Market</u> Services – MME	 Added Section 5.9 Non-Optiq historical transactions reporting (Upload File only) : new functionality offered by the application, which allows non Optiq historical transactions reporting.