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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	
5.356.0	28 May 2025	 Added <u>Section 11.4 Creating a position</u>: added explanation on how to insert a new commodity position. 	

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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
C 111	EUA	https://saturn-eua.euronext.com
GUI	Production	https://saturn-prod.euronext.com
ΑΡΙ	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	
User ID	Sec 27	
Password		
LOGIN		
		· · · 10.35
9		

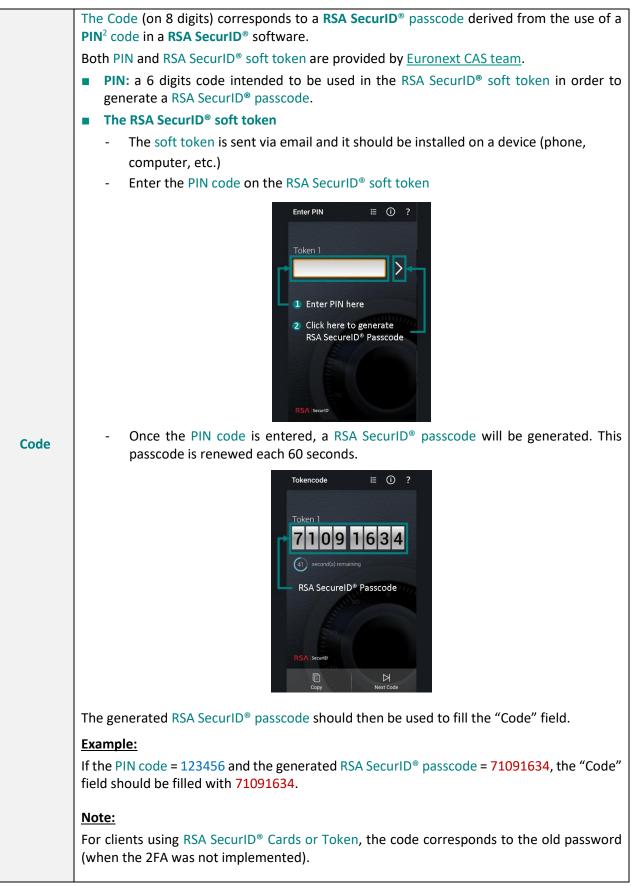
4. When the Saturn login page appears, User must logon with his valid connection parameters:

	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.

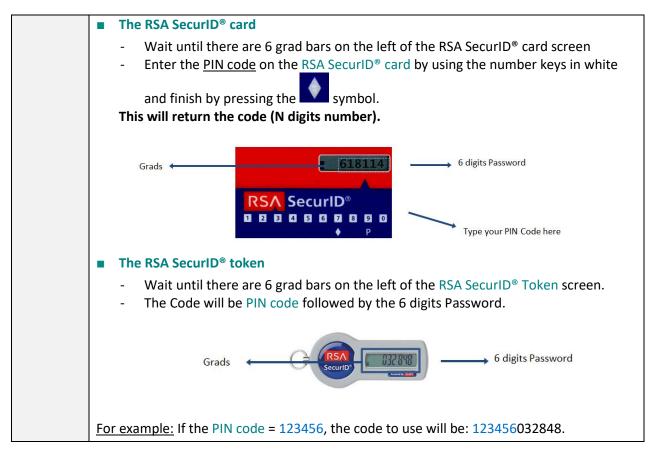
5. Press the "LOGIN" button. If the credentials are valid, the second factor authentication appears.

User ID ******** Password ********** Code	WELCOME T	
Password ********	User ID	
****	******	
	Password	
Code	******	
	Code	
VERIFY	VERIFY	

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.

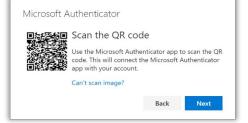
A) User Guide Google Authenticator App

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

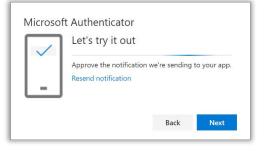
- Download and install the Google Authenticator app for <u>iOS</u> or <u>Android</u>;
- On your mobile device, open the Google Authenticator app;
- Tap on BEGIN SETUP;
- Tap Scan a Barcode (if you do not have Barcode Scanner, you will be asked to install it);
- You can use the application and scan a 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.

WELCOME TO	den
User ID	

Password	

Code	
VERIFY	

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

TOTP Application	Saturn's Connection form
* ● ♥∡ ■ 1:02 Google Authenticator :	der
Euronext Prod (UserName) 137 130	
	User ID ****** Password *********
Code to use	→ 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 qa2	1				USERS MANAGEMENT
NEW USER 🛃 NEW BU 🛃 FILTER	E			admincas1	•
512 PARTICIPANTS	B 2 7 ×	PARTICIPANT DETAIL			
 	4	Commercial Name:	3		28 TRADING
Adminfor2BT O		MIFID Compliant:			0
💉 APISelenium 🧿		Regulator:			N/A
OrderldUser					
1 323 TRADING (00028043) ○ 3 INVESTMENTS (90000001) ○		LEI:		724	500D0F3FMK7FPI293
STREET CAPITAL MARKETS (00004358)		Participant Id:			00028670
AARDVARK TRADING (00000730)		T or or opposite to:			00020010
ABN AMRO BANK (00029009)		Participant Type:			Trading Member
m ABN AMRO BANK (00029101)		Is Activated:			R
ABN AMRO BANK (00004742) • 2		is Activated.			G
ABN AMRO BANK (00000623)		Is Suspended:			0
ABN AMRO BANK (00029003) O					
ABN AMRO CLEARING BANK (00000687)		ARM Reporting:			C
ABN AMRO CLEARING BANK (00000484)		Commodity Reporting:			0
ABN AMRO CLEARING BANK (00029645)					
ABN AMRO CLEARING CHICAGO (00004232)		APA pre-Trade:			•
1 ABR FINANCIAL (00004276)		APA post-Trade:			0
	H ≪(1 2 3 4 5) H 15∨	APA post-frade.			

- 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	* ⁴	BUSINESS UNIT DETAIL	C 🛍
→ <u>m</u> 28 TRADING (00028670) ○ → <u>w</u> Bu1 ○ 1	2	Name:	BU1
Adminfor2BT		tag:	BU1
💅 APISelenium 😏	_ L		

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	
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 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	G (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 .* *
▼ <u>m</u> 2B TRADING (00028670) O	
🕨 🚰 🛛 BU1 💿	
🔅 Adminfor2BT 😏	
💅 APISelenium 😌	
OrderldUser 😗	

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	đ 🌬
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	Profile	
USER	CHOOSE	-
Validity End Date:	¥ YYYY-MM-DD	
API	Suspend User User Locked	,
CANCEL	UPDATE	K

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":

enering			
🌞 EU	RONEXT SATURN qa2		
NEW US	ER 1 🛃 NEW BU	FILTER 🗮	
512 PA	ARTICIPANTS		x 2 2 ×
	2B TRADING (00028670) 323 TRADING (00028043) 3I INVESTMENTS (90000001 9STREET CAPITAL MARKET	 REMOVE BUSINESS UNITS 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
V 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 ×
	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	2
		(
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;

iew User 🔹	FILTER	
1 PARTICIPANTS	_	_
Euronext NV (adminifuly O O UserLing O	NXT00000) O EDIT USER COPY USER REMOVE USER MOVE TO BUSINESS UNIT FORCE LOCOUT.	
Are you sure	to reset 2FA mode of. UserLing ?	×

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



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

2. If their Saturn Administrator is not available or the request is for the Saturn Administrator's own access, the user may contact Euronext Customer Access Services (CAS) on: cas@euronext.com, +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	
CANCEL	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	1.1	
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				
Upload Orderld			1.1	
OTC matching		10	11	
Upload OTC Matching				
Profile Management				
Referencial manager				
SLC manager				
Upload SLC			11	
User Activity				
Users Management			1	
User Unlock				
Suspend User			11	
p Addresse Management				
Business Unit Management				
User Reset Password			10	

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	C 2 *
 Admin AllRights AllRights MasterAdmin CrderIdmanager profileSuperAdmin 	
 Read APA Post-Trade ¹ Read APA Pre-Trade ¹ Read ARM ¹ Read Commodities ¹ Read Referential manager ¹ Read SLC manager ¹ TEST PROFILE ¹ 	
 Write APA Post-Trade Write APA Pre-Trade Write ARM Write Commodities Write SLC manager UserEmptyProfil 	

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 🛛 🕹 🖍 🖈	PROFILE DETAIL				🗹 🛍
Admin O	Name:				TEST PROFILE
AllRights AllRights MasterAdmin	Updatable:				ß
Orderldmanager O profileSuperAdmin	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	0
TEST PROFILE O	Dashboard ARM	0			
Write APA Post-Trade Vrite APA Pre-Trade Vrite APA Pre-Trade	Dashboard ARM Trades	0	€.	0	
Write ARM O	Dashboard Commodities	¥	0	0	
Write Commodities Write SLC manager	lp Addresse Management				
O UserEmptyProfil o	OBOE Dashboard	0	₽.	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
€ ا	AllServices 3
€ ا	MasterAdmin O
a ==	Orderldmanager 🤤
A ==	profileSuperAdmin 📀
A ==	Read APA Post-Trade 📀
A ==	Read APA Pre-Trade 📀
ا≡گ ♦	Read ARM 💿
a ==	Read Commodities O
A ==	Read SLC manager
A ==	
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:

UPDATE PROFILE				5
TESTPROFILE	VIEW	CREATION	UPDATE	DELETE
APA post-Trade Dashboard			1.1	
Upload APA Post-Trade			11 - E	
APA Pre-Trade Dashboard				
Dashboard ARM				
Dashboard ARM Trades				
Upload ARM Trades	V			
Dashboard Commodities	×			
Upload Commodities				
Orderld manager				
Upload Orderld				
Profile Management				
SLC manager				
Upload SLC				
Lleor Activity	-			

Note that:

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

3.7.3 Profile Delete

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

18 PROFILES 2 * *	PROFILE DETAIL				C 🛍
Admin AufiRichtsARMProfile	Name:				TESTPROFILE
AIRightsARMProfile AIServices	Updatable:				¥
• 💷 MasterAdmin 🔾	Last updated:				2017-10-31 17:57:14
Orderldmanager					
📰 profileSuperAdmin O		VIEW	CREATION	UPDATE	DELETE
Read APA Post-Trade	APA post-Trade Dashboard	S	0	0	
Read ARM	APA Pre-Trade Dashboard	-	-	-	
Read Commodities O	APA Pre-Trade Dashboard	ĭ.			
Read SLC manager	Business Unit Management		D		
I TESTPROFILE O	Dashboard ARM				
TestProfileMaster Vrite APA Post-Trade	Dashboard ARM Trades	0	0		
Write APA Pre-Trade					
Write ARM	Dashboard Commodities	×.			
Write Commodities O	Orderld manager	0	D	0	
Write SLC manager	Profile Management				
8 UserEmptyProfil o	SLC manager	0			
	Suspend User				
	Upload APA Post-Trade	0		0	
	Upload ARM Trades	¥			
	Upload Commodities			0	
	Upload Orderld			0	
	Upload SLC	0			

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

18 PR	DFILES C 2 4
a =:	Admin 😌
a ==	AllRightsARMProfile 3
▶ 🚛	AllServices 😌
▶ 🔤	MasterAdmin 😏
a =	Orderldmanager 😏
a ==	profileSuperAdmin 😏
a =	Read APA Post-Trade 😏
a =	Read APA Pre-Trade 🛛 🕄
▶ 🚛	Read ARM 3
a =	Read Commodities 🖸
a ==	Read SLC manager 📀
a ==	
a ==	TestProfileMaster C DELETE PROFILE
4 ==	Write APA Post-Trade
A ==	Write APA Pre-Trade 🛛 🕄
▶ 🔤	Write ARM 3
a ==	Write Commodities 3
A =	Write SLC manager 🔹

Note that:

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

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

3.7.4 Assign Profile

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

UPDATE USER			C
Participant		Business Unit	
EURONEXT	•	BUTEST	•
First Name		Last Name	
stephane		dif	
Login		Email	
sdifrsa		sdif@euronext.com	
Password		Password confirmation	
USER	_	READ SLC MANAGER	_
Validity End Date:		CHOOSE WRITE SLC MANAGER WRITE COMMODITIES WRITE ARM	Î
API	Suspend L	WRITE APA PRE-TRADE WRITE APA POST-TRADE	
		READ SLC MANAGER READ COMMODITIES	_

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 70
		o
		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
SS	E-Mail	
ne	test@test.com	•

- 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.

E-Mail	
	Ο
test@test.com	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.

head and head	0
toot?@toot.com	ŵ
test2@test.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	
	0
test@test.com	Û
CANCEL	SAVE

 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 REPORTIN	g 🕻 🔊 apa pre-trade 🗍 🏵 commod	ITY REPORTING	R S OTC TRADE S OBOE	TRADE	🔁 REPOSITORY 🖸 AUDIT
					i bet1	(+
		REFRESH ALL	Ø			
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						ď
Total Transactions ALL FAILED 5	ALL CANCELLED 0 ALERTS	12				
92	0.00%					
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	ALLAX Block Trading 0	ALL Morgan Stanley 2	
125.0K •.•••	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:

EURONEXT SATURN	🚯 DACHBOARD 🛱 ARA E ARW REPORTING 🔊 ARA PRE-TRADE 😌 COMMODITY REPORTING 📾 SLC MANAGER 🧐 OTO TRADE 🗐 ORDER TABLE 🇯 ORDER 10 MANAGER 🔂 REPORTION	AUDIT
	I bett	۲
	REFRESHALL O	
ARM & APA POST-TRADE OVERVIEW		C
Total Transactions 115.8K ALL FAILED	ALL ISIN FENDINO 236 EK ALL REJECTED 0 ALL CANCELLED 0 0.01% 0 0.01% 0 0.01% 0 0.01% 0 0.01% 0 0.01% 0 0.01% 0 0.01% 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
DETAIL		
OFF-BOOK ON EXCHANGE OBOE		ď
Total Transactions ALL FAILED 92 5.43%	5 ALL CANCELLED 0 ALERTS 12 3.04%	
DETAIL		
	I bett	•

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		🙆 DASHBOA	RD =	APA & ARM REPORTING	، ھ]	IPA PRE-TRADE	моріт	Y REPORTING	NAGE	R OTC TRADE OB	OE TRADE	E P ORDER ID MANAG	ER 🔁 REPOSIT	ORY	\$ 1
													i bet1			۲
							REFRESH AL	L	0							
ARM & APA POST-TRADE O	VERVIEW															C.
Total Transactions	ALL FAILED	13	ALL ISIN PENDING 23	9.8K	ALL REJECTED	0	ALL CANCELLED		ALL PENDING							
115.8K	0.01%		100%		0.00%		0.01%		0.00%							
DETAIL 🗮																
OFF-BOOK ON EXCHANGE	OBOE															ď
Total Transactions 92	ALL FAILED 5.43%		ALL CANCELLED	0	ALERTS	12										
DETAIL																
POSITIONS OVERVIEW																C
Total Positions 49	ALL FAILED		ALL HEDGING	27	ALL NOT HEDGING	15	ALL CANCELLED	11								
DETAIL 🗮																
SHORT/LONG CODE OVER	/IEW															C
Total Codes	ALL FAILED		ALL EURONEXT	5	ALL BDL 0.00%	0	ALL Sigma-X 0.00%	0	ALL Synapse 1 0.01%	3	ALL AX Block Trading 0 0.00%	ALL M	organ Stanley 2			
DETAIL																
APA PRE-TRADE OVERVIEW	v															ľ
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%	

												188.	
1	TT TRA	ISACTIONS	SELECT	COLUM	TO DISPLAY	•		FREES	EARCH		Q	F6.115	
	inter.	NAMESACTION REPORTS OF NUMBER 0		-	641.4	Guinerer av	-	-	-	-	Anti-	EXECUTIVE EXTENT IN .	n. 10
н.	0	A07310	0	0	arreactain		0				841	1000011-0000	
	0	2,019470(1998)(10100)	0	0	2012/02/02 10:00:00	100002-0019	0	40-041/00088	-	1414	80	HARDON, SADNERS	- 11
	0	1.20190101760000	0	0	-	000000-0010	0	abide et capetal	-	10.0		9480001112407-0808	- ×
	0	1,40702702700000	0	0	an orange.	VALUE AND	0	40404-0100000	-	+8.8		HARDING CONTRACTOR	- 2
а.	0	0.0759/0016036	0	0	2011/02/08 10:02/10	And and and a	0	abda/#comm;	-	18.0	811	A4000111-001-0818	-
ŧ.	0	Autochan and and a	0	0	2011-02-02-02-02-02	1000001-0010	0	10-0-1203081	-	-	80	Hereiter wirden auf	- 5
1	0	Language and the second	0	0	2011/02/09 10:00:00	2444427029	0	42424-0-000088	000033400	10.0	311	Heater to Skot-state	-
н.	0	2,000000000000000	0	0	-	000000 70170	0	4349405000	-	10.0		AND DESCRIPTION OF THE OWNER.	1.000
1	0	Lancar neurones	0	0	data of the second seco	100031-0110	0	404047000000	-	10.0		NAMES OF TAXABLE PARTY.	
12	0	100000000000000000000000000000000000000	0	0	2010/06/08 00 2012	Territer August	0	APRIL PT COURSE	alour series	- 10	811	10000000000000000000000000000000000000	- 100
11	Θ	0.0000000000000000	0	0	2011-02-02 20-22-22	2002002-0010	0	104041000000	-	1010	84	Hermony Scholmstein	
1	0	0.0000000000000000000000000000000000000	0	0	2011/06/06 16 20:20	2402021019	0	40-0419-00089	mark head	10.0	341	Heating Control and	
п.	0	1,00000101100000	0	0		00000.7077	0		-			\$42300011_0007-0000	1.000
8	0	LOCAT STUDIES	0	0	ALC: N. Y.	100000-0010	0	49494-91000000	-	-		NAMES OF TAXABLE	
	0	CONTRACTOR CONTRACTOR	0	0	211112-01120-0120-02	UNION CONTRACTO	0	adda to paint	-	16.0	811	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 ETAIL		13.99%	ALL REJECTED 546	ALL CANCELLED 11			
106 (TE	MS						FRIER
							PARTICIPANT COMMERCIAL NAME
0	98	2017-02-18	94(HP)	TNL8	84	80000579	
0	102	2017-00-18	0.007	716.8	84	00000176	
0		2017-00-08	bruit.	AL10 ⁹	8.0	00000119	
0		2017-02-08	lengt	1000	8.1	00000176	
0		2017-00-08	long 1	XBRU	8.4	80000178	

≣

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

	sactions	ALL FAILED 2371	ALL REJECTED 946	ALL CANCELLED 11				
17.0		13.95%	5.57%	0.06%				
TAIL	E							\sim
ITEMS				\sim				FILTER
TUS ♦	TOTAL O	DATE \$	USER ¢	TRADING VENUE IDENTIFI	ATE		STATUS	BUSINESS UNIT
0	198	2017-10-18	outAPI	TNLB	rom	- To	CHOOSE	•
	152	2017-10-18	outAPI	TNLB	OTAL		VENUE	PARTICIPANT NAME
0				ALXP	rom	- To		
-	93	2017-10-18	bnp1					
0		2017-10-18	bnp1	XMAT	ISER wtAPI	PARTICIPANT ID 00000579		

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

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

•

•

•

•

•

•

•

About

- **Business unit**
- Participant Name

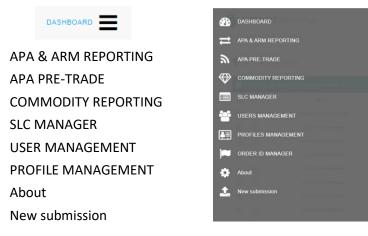
Click the "RUN" button to submit the filter or the "CLEAR ITEMS" button to reset the filter.

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	3
•	to clear the filter and return	to the initial display	, click on the "CLEAR ITEMS	5 " button:
		CLEAR ITEMS	×	

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

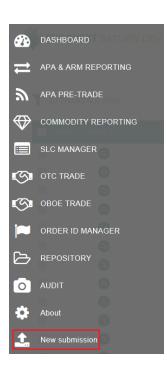
The Saturn application provides the ability to **manually** import transaction or trade publication reports by uploading CSV files.

Users must pay attention to the following limitations:

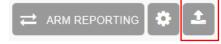
- Up to five (5) CSV files can be uploaded concomitantly;
- Each file cannot exceed 1Mo, i.e. around 1700 transaction reports.

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 qa2				New submission
			🚢 n	
	♦ CHOOSE ± UP	LOAD X CANCEL		
STATUS NAME		92X 07	LOADED DATE	6
0	0.0x001x103xx,2011008,1214073,1,11.0x	853.304 ×8	2017-02-02 10 54:08	- C
•	Dest.org/cons.2017.008_0204071_1_28.au	801.400 KB	2017-10-10 10 10 10 10	
•	Startungtons,217508,524871,1,36 ac	501.405 ×8	2017-10-10 10:01.18	
0	Dest.org/cons.2017.008_0204071_1_04.ad	101.400 KB	2017-10-08 18:38:00	
0	Prof.org/conc,217100,1200071,1,36 or	501.408×38	2017-10-08 10:20:20	
0	Dest.org/cons.2017108_0204011_0_01.ac	501.400 KB	2017-10-08 18:21.48	
0	File_Dilate	1.428.108	2017-10-06 10:00:00	
0	Multer, her Law	1.001×0	2017-10-08 18 44 08	
0	164,310 cm	1.492-0	2017-10-08 10:00:00	
0	to financia	104.001 ×3	2017-10-04-09-39-40	
				5.*

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
				👗 II	0
		+ CHOOSE ± UP	LOAD N CANCEL		
	STATUS NAME		802E UPLO	ADKO BATE	
	0	0-der/03horCodes_20171008_103H878_11_11.def	1013 3030 + 48	2017-00-00 10.04 10	2
	•	Starting(asse,3011038,1038011,1,0144	501.400.10	2017-02-02 10:01:00	
	•	DestaryColor, 2019 008, 1004011, 1, 24 ad	201-400-40	2017-40-40 10 81 48	
	0	Prof.org/selac_20171031_1034571_1_04.04	501.405.40	2017-0-08 10:00	
	0	DesturyCone,2019308,1058191,1,24 ar	101.400.40	2017-00-08 10 20 20	
	0	Prof.org5oba_2019308_5098976_5_86.ad	501-688-68	2017-00-08 10 21 10	
~	0	Pag, D. av	140.48	2017-10-08 58 58 58	
	0	Multiplication	3.288.43	2017-10-08 10 44 08	
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		Uninsam salumi (U	derying insisyment index)		
	0	tella cor	156 AUT + B	2017-10-De De De HE	

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.

											-	AL .	
	TRANS	CTIONS	SELECT	COLUMN 1	TO DISPLAY			FREE SE	ARCH	c	2	010.12.00	5
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R.	0	TheCarton	0		-		0			-	144	NAMES AND ADDRESS OF ADDRESS ADDRESS OF ADDRESS OF ADDR	-
a,	0	ngn (m	0	0	101010-0110-0110-0		0			54	1.64	100000102007-0000	-
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ŧ,	0	1,41/74210110404444	0	0		100001-0070	0	4040419100000	-	1010		140002152507-0800	-
8	0	0.0001000000	0	0	STATES.	24000,7078	0	404/04/07/020001	second bears	10.0	947	Netters whereast	
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1	0	1.0000000000000000000000000000000000000	0	0	1000 (0.00 (0.00 (0.00	1000017079	0	42404(0)(00000)	*****	10.0	847	NAMES OF STREET, NOT STREET, N	100
1	0	2,0799-901010919	0	0	311110-0104-0104	Jacies Here	0	40404/01020000	1010031400	1618	84	hereige school-date	100
	0		0	0	ar-season	Terror Mar.	0	*******	17101 10101	10	817	100000-01409-016	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	E	Saturn field	Indicates whether the transaction was uploaded by Saturn

COLUMN	ICON /FORMAT	SOURCE	DESCRIPTION
STATUS	 ••• ••• 	Saturn field	Indicates the current status of the transaction A status description is available by hovering the mouse cursor over the icon.
			
DATE	YYYY-MM-DD	Saturn	Date/Time of last update of the transaction
SIDE	HH:MM:SS	field	Nature of transaction, can be Ruy, Coll. Cross or unknown
SIDE	C	Saturn field	Nature of transaction, can be Buy, Sell, Cross or unknown
	S		
QUANTITY	decimal	ESMA &	Total transaction quantity.
		FCA RTS 22, ref. 30	
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.

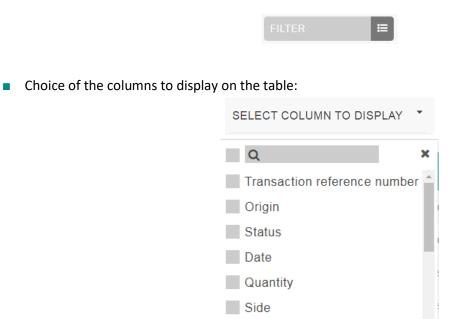
The window offers additional information and features:

• 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:



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

FUNCTION	DESCRIPTION
\mathbf{C}	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 transaction
	Edit selected transaction
2	Insert a new transaction via Copy
Ð	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	83	Cancel transaction request accepted at the regulator side
Accepted	*	Transaction has been accepted by the competent authorities.

5.3 CREATING A POSITION

It is possible to submit a new position 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 position, do the following:

• Click on "Insert Position" icon from the contextual menu in the right part of screen:

The new position overlay is displayed:

Report reference number			
Security Id		Business Unit	
Holding Position Trading Day		Reporting Entity ID	
YYYY-MM-DD			
Position holder ID		Position holder email	
Position holder ID type CHOOSE			~
Ultimate Parent entity ID		Ultimate Parent entity email	
Ultimate Parent entity type		Trading Venue	
CHOOSE	\sim		
Position Type		Position Maturity	
CHOOSE	\sim	CHOOSE	~

Populate all fields with expected data and click on the "INSERT" button. The new position line appears in the list of commodity positions.

5.4 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%	

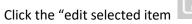
■ For a "Rejected" transaction, it is recommended to point directly to the list of "ALL REJECTED" transactions by clicking on the dedicated button from the dashboard page:

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 on the left of the screen or by clicking in the transaction's line.

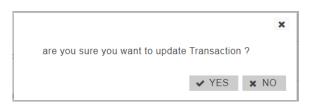


icon on contextual menu on the right of the screen.

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 value	B		
lassification Type		Price Multiplier	
FDSPX			
1002] please do not fill, unexpected value	Ð		
lotional Currency 1		Notional Currency	/ 2
JL Instrument Code		UL Instrument Na	me
IL Instrument index		Strike Price	
Strike Price Notation		Strike Price Curre	ency
CHOOSE	•		
Option Excercise Style		Maturity Date	
CHOOSE	•	YYYY-MM-DD	
)elivery Type		Option Type	
CHOOSE	•	CHOOSE	-
Expiry Date			
(YYY-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:

A/ARM indicator : ARM	•	
Transaction detail	Client detail	Instrument detail
Trade Ref		
CLIENTREF15076409999		
Trade Id		
TRADINGVENUECKUK408841	7888	
Executing Firm		
549300I2Y1L		
549300i2y1l' field should match the p z0-9]{18,18}[0-9]{2,2}	pattern [a-	
Instrument Id	Venue	
AOAGA151202800C	TNLB	
Price	Quantity	
663405.64906	2992682.753	75
Net Amount	Side	
184474.10494	SELL	∇
Transmission Order	Country Branch	Membership
FALSE	▼ PT	
Trading Capacity 1	Trading Capaci	ty 2
DEAL	- DEAL	•
Buyer Firm Id	Seller Firm Id	
Up Front Payment	Up Front Paym	ent Currency
548102	GBP	
Investment Decision Within Firm	Investment Dec	ision National ID Type
FR00000000ZA#C#ZA#C#	CONCAT	•
Investment Decision Within Firm type	e Country Of Inve	estor
NATIONAL ID	▼ FR	

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

5.5 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:

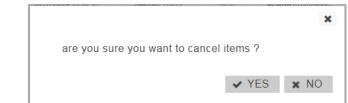
 $\mathbf{\sim}$

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 \bigotimes :

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er.	TRANSA	Chickes	SELECT	OLUMN 1	O DISPLAY			FREE SE	EARCH		Q	7.517.61	5
	am. 1	NAMAGETCH REPORTED BUILDING	-	stores a	047614		-	-	-	-	-	Expositive exercises a	12.110
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	0	5.0079p11027sass(1004ee)	0	0		100.000 10110	0	40404-0100000	101012-0020	- 10.04	. 811	1000011-007-008	
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	0	State Page (SCHOOL)	0	0	2754897	101003-0119	0	sistement	-	-8.6	8.7	PRODUCTION	- 100
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	0	0.4575071073403008	0	0	-		0	40404/0100000	*****	18.4	84	1400011-0101-000	480
	0	CLASHING WITHOUGHTS	0	0	2010/07/14/06/06	1003027029	0	40-049400088	860405 04608	-10.0	8,1	Interior supportant	
	0	0.45/3071001013030011	0	0	*******	100100-0179	0	404041030000	001428-0400	10	94	10000211-0.007-0040	
	0	0.45750702752568148	0	0	State and state	2012/01/12/19	0	40404/9/2010022	000428.04020	-11.0		1400273-207-688	
	0	G, Brumer rechtscharten	0	0			0	Anna Argunati	-	-9.4	44	American Sciences II	
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	0	1600407010-0000-10111-0000	0	0	4111-10-10 01-20-02	7417141-00821	0	Carso massar	Carenar server	10	847	141000-142-401-070	1.404

5.6 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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	nine. no	NUMBER OF TRADE OF TRADE OF		-	048-8	- 000000000	100.0	-	-	Acce-ma	. 140113-0	Concerned detrois of a	
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10	0	2,0190700700700000000000	0	0	101110-0010-0010-00	100121011	0	40404-0100881	101010-0107	100	1.00	140003-120(00000)	
н.	0	1,0000000000000000000000000000000000000	0	0		24030.7075	0	A1434/01020001	-	1010		\$4000011-1_21(01994)00.00	1
п	0	1.0101001000000	0	0	-	200201-017	0	A0404/01002000	100421000	10.0	1.001	NAMED 1/24/14/08	- li
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12	0	Sciller Stransmission	0	0	01110100200	200201-0011	0	4040479(00000)	100403	10	. 84	1400011-020710000	10
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н.	0	1,0100-00000000	0	0	817-1108-1048-00	1002002-2029	0	ADADA PERSONAL	-	100	841	******	10
	0	adorner-strations's	0	0	227-11-01-11-02/20	1000121021	0	40404-0100888	1000010408	10.0	100	140303-12049-0000	10
8	0	***************	0	0	-	76739,8987	0	A*941111120000	-		. 81	100000000000000000000000000000000000000	
n.	0	2.001971212141904	0	0	-	240302-7177	0	40404/01000000	100403 14000	10.0		MARKED SCHWAREN	
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1	0	Lawrence and the set	0	0	-	1000011010	0	******	-	16.6	- 10	NAMES OF STREET	
ii.	0	0.00000000000	0	0	-	(minut minut	0	ADAMA PURSUES	-	10.0	100	NAMES NOW THE OWNER.	1
12	0	0.001001001000000	0	0		3943943-5179	0	-	-	1000		1400011-02070800	

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
Frade Ref		
CLIENTREF1507640532525		
Frade Id		
TRADINGVENUECKUK408841788	38	
Executing Firm		
549300I2Y1LCN3FHSB30		
Instrument Id	Venue	
AOAGA151202800C	TNLB	
Price	Quantity	
663405.64906	2992682.75375	5
Net Amount	Side	
184474.10494	SELL	$\overline{\nabla}$
Transmission Order	Country Branch M	1embership
FALSE	▼ PT	
Trading Capacity 1	Trading Capacity	2
DEAL	DEAL	•
Buyer Firm Id	Seller Firm Id	
Up Front Payment	Up Front Paymen	t Currency
548102	GBP	
Investment Decision Within Firm		ion National ID Type
FR00000000ZA#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.

5.7 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:

											â !!		
toni i	TRANSACT		SELECT C	OLUMN T	O DISPLAY			FREE SEA	ясн	Q		FRIER	1
TR	ADE VENVE I	9	TRADE REF				BECURITY ID				USER		
VENUE BLOK CHOOSE					шс				EUTATUS CHOOSE				
VO FID	CUME 20		- 5				TRADED PRICE				BUSINESS UNIT		
TO BE CLEARED. CHOOSE			EYPASS CONTROL FLAG CHOOSE				DEPERRAL INDICATOR CHOOSE				TRANSACTION PRICE TYPE CHOOSE		
NUBMITTING ENTITY ID			APALARM P CHOOSE	APWARM INDICATOR CHOOSE			ENTERING COUNTERPART				EXECUTING BROKER		
	IGN 009E		i.									100	
e	LOND COMP.												
			-	-			-						ø
		Larger difference	0	õ	a*******	10000 To T	0	-	-	19.4	-	Network's Conference	
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	õ	Large discussion					0						
	000	CLEWING OF OUR DESIGN	0	0	gnianes	parate and	0	****	*****	-16.0	**	And Control of Control and	:
	000	a, an	0	0	2011-04-04-04-04 2011-04-04-04-04	(0000-1011 (0000-1011	0		MENCE SHARE	16.4 19.4	40 20	5400001-0.0007-0000 6400001-0.0007-0000	:
	000000	одаления налагания одаления налагания одаления налагания маряния налагания маряния на налагания	0 0 0	0	80.081088 811.081088 811.00828	(0000) 707 (0000) 707 (0070) 0000	0 0 0			18.8 19.8 42	40 10 10		
	000000	адалан на продактична адалан на продактична адал на продактична адалан на продактична адалан на продактична а	0 0 0 0	000000000000000000000000000000000000000		(0000, 1011) (0000, 1013) (0000, 1013)	0 0 0 0 0 0			10.0 10.0 10.0 10.0	80 80 80	540000110,00074888 640000110,00074888 640000010,00074888 640000110,00074888	
THE R. P. LEWIS CO., LANSING MICH.	000000	сциплиналирован сциплиналирован сциплиналирован сциплиналирован сциплиналирован сциплиналирован сциплиналирован сциплиналирован	0 0 0 0 0	000000000000000000000000000000000000000	8010491488 8010491488 8010491488	9000,107 9000,707 9000,707 9000,707	000000		10100 10000 101000 10000 10100 10000 101000 10000	84 94 92 94 94	801 801 801 801		

5.8 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 CHOOSE	
Transmission Order CHOOSE	Country Branch	Membership
Frading Capacity 1 CHOOSE	Trading Capacit CHOOSE	y 2
Buyer Firm Id	Seller Firm Id	
Jp Front Payment	Up Front Payme	nt Currency
nvestment Decision Within Firm	Investment Deci CHOOSE	sion National ID Type
nvestment Decision Within Firm type CHOOSE	Country Of Inve	stor
nvest Firm Indicator	Derivative Notio	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.

5.8.1 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:

Transaction detail	Client detail	Instrument deta	il
Side	CHOOSE	•	C
Туре	CHOOSE	-	
dentification Code			
First Name			
Surname	YYYY-MM-DD		
BirthDate			
dentification Type	LEI	-	۱ ک
Seller Identification Code	549300I2Y1LCN	3FHSB30	æ
Seller Country Branch	FR		
Seller First Name	SELLER		
Seller Surname Seller BirthDate	SELLER YYYY-MM-DD		
dentification Type	LEI	-	Ŵ
Buyer Identification Code Buyer Country Branch	549300I2Y1LCN	3FHSB30	6
	FR		
Buyer First Name	BUYER		
Buyer Surname Buyer BirthDate	YYYY-MM-DD		
Suyer Diraibate			

3. Click the "add" icon at the bottom of the client's details list: 😯

Once all required information has been entered, click on the "UPDATE" button.

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

EURO	NEXT SATURN qa2									APA & ARM REPORTING
									👗 11	
197 TRA	NSACTIONS	5	ELECT COLUMN TO	D DISPLAY		FRE	E SEARCH	Q		FILTER
ee •	STRIKE PRICE NOTATION	STRIKE PRICE CURRENCY	OPTION EXERCISE STYLE	MATURITY DATE .	EXPRESSION ENTER	DELIVERY TYPE	OURNER DETAILS	USER +	BYPASS CONTROL FLAG	
							*	brack.	140	N0
							*	lang-11	N0	10
							*	lesp11	PH.16	Ph.38
							CLIENTS	DETAIL		14.50
							Seller 1d C Seller Co	untry Branch	545300(2Y1LCNOFH5830 FR	14.36
							Salar Fin		SELLER BELLER	14.55
						/	Buyer Id C	Code untry Branch	540300(2Y1LCN0/H5830 FR	14,38
						/	Buyer Fin Buyer Las	at Name	BUYER	FALSE
							444	100 g = 10	Pag. 10	74.08

5.9 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

5.9.1 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
 - c: l
 - 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.

5.9.2 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.

5.10 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:
 - 5- New non-Optiq transaction;
 - 6- Amend non-Optiq transaction;
 - 7- Cancel non-Optiq Transaction.
- 4- 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-Optig transaction" will be displayed to the members:

HISTO	TRANSACTION REFERENCE NUMBER \$	ORIGIN 🖨	STATUS ≑	DATE ≑ [4042] Pending Eurone	QUANTITY	SIDE	SECURI 🔁
	VQQ3LUMFBCZR65483X9023FIWEDL17RBQ9PSW8PJW6	6	0	Market Surveillance validation for non-Opti	588	0	
	164VDDA282	6	0	transaction. 2023-10-19 12:11:01	5000	0	NLE X

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".

4 TRANSACTIONS	SELECT COLUMN TO DISPLAY	FREE SEARCH	FILTER 🗮
TRADE VENUE ID	TRADE REF	SECURITY ID	USER
VENUE	SIDE CHOOSE	MIC	STATUS CHOOSE
VOLUME		TRADED PRICE	BUSINESS UNIT
From	- To		
TO BE CLEARED	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	
7 .178	ANSACTIONS	SELE	CT COLUI	IN TO DISPLAY			FR	EE SEARCH	•	Q	(411)	
-	TRANSPORTON REFERENCE MANDER 1	-	-	MILL.	-	100.1	-	1000.0	80.4	MINISTRA	EXECUTIVE ENTERING &	-
0	Teophylopecial-sea - re-	0	0	2011-0-00.00	-	0	1.0000000	-	-		antergelisered is	-
0	Notemportaning or diff.	0	0	-	-	0	N-DWEDDWE	-	-	81	NUMBER OF STREET	-
0	TADDOCTOR/COMPAGING	0	0	and shares	-	0	-	-		80	Instantaction of H	
0	Notemproprocessing and the	0	0	-	-	0	4.01000000	-	104	44	Incomprisional in	
0	Nucleinin and a low long out of the	0	0	and the second	wearer.	0		10000-0010		84	second restored a	
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0	REMOTION .	0	0	and the second		0	101206001	(second	10	(A.C.)	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 in the left of the screen or by clicking in the transaction's line.

Click the "edit selected item licon on co

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 Id		
xecuting Firm	Business Unit	
069500AUXWPSHFPKUM60	N/D	
nstrument Id	Venue	
CH0006227612	XSWX	
ide	Invest Firm Indicator	
BUY	TRUE	-
rice	Quantity	
29.95531	518	
rading Capacity 1	Trading Capacity 2	
DEAL	МТСН	-
Price Currency	Price Notation	
EURA	MONE	-

- 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	Transaction	1?
	✓ 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.

APA Post-Trade	Instrument detail	
Trade Id		
CDM0YEJ4		
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	
DEAL	мтсн	•
Price Currency	Price Notation	
EUR	MONE	

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	😤 DASHIGAND 🛱 AFA & ARM REPORTING 🔊 AFA PRE-TRADE 🖤 COMMODITY REPORTING 📾 SLC MANAGER 🧐 OTC TRADE 🧐 OBDE TRADE 🏴 ORDER ID MANAGER 🖄 REPORTING 🕲 AUDIT 🕏 🛓
	The set the se
	REFRESHALL O
ARM & APA POST-TRADE OVERVIEW	ď
Total Transactions ALL FAILED 13 0.01%	ALL SIN PENDING 233 EK ALL REJECTED 0 ALL CANCELLED 0 ALL PENDING 0 100% 0.00% 0.00% 0.00% 0.00% 0.00% 0
DETAIL	
OFF-BOOK ON EXCHANGE OBOE	C.
Total Transactions 92 ALL FAILED 5 6.43%	ALL CANCELLED 0 0.69% 12 13.64%
DETAIL	
POSITIONS OVERVIEW	ß
Total Positions ALL FAILED 35	ALL HEDONO 27 ALL NOT HEDOING 15 ALL CANCELLED 11
49 71.43%	22.40% 22.40%
DETAIL	
SHORT/LONG CODE OVERVIEW	ď
Total Codes ALL FAILED 0	ALL EURONEXT 5 ALL BOL 0 ALL Signe-X 0 ALL Sympte 13 ALL AX Block Trading 0 ALL Morgan Stanley 2
125.0K ••••	0.00% 0.00% 0.00% 0.00% 0.00%
DETAIL	
APA PRE-TRADE OVERVIEW	ď
Total Quotes O PRIVATE QUOTES 0 .00%	
- DETAIL buttor	1:

- Dashboard for members profile :

On the dashboard page, the "DETAIL" Button:

ETAIL

Ħ

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

	N EXCHANGE OB	DE						C
		ALL FAILED 5	5 ALL CANCELLED 0 0.00%	ALERTS 12 13.04%				
DETAIL	E							
ITEMS								FILTER 🗮
				TRADING VENUE IDENTIFIER \$	BUSINESS UNIT	PARTICPANT ID \$	PARTICIPANT COMMERCIAL NAME	тх туре 🔹 🔗
•	1	2018-09-08	bet1	XOFF	my BU 2	0000001	MDA TEST LEI	OBOE
A	1	2018-09-00	bet1	XOFF	my BU 2	0000001	MDA TEST LEI	OBDE
A	1	2018-09-05	bet1	TARR	my BU 2	0000001	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%									
	Ν.								
	Å	EURONEXT SATURN							CBOE TI
								⊘ seb3	
		T 11 TRANSACTIONS		SELECT COLUMN TO	D DISPLAY	FREE SE	EARCH Q		FILTER
		STATUS OF TRADE	REASON OF THE STATUS	TRADING VENUE	ISIN .	TRADE REFERENCE	TRADING DATE TIME	PRE TRADE FLAG	ENTERING COUNTERPART
		• •		XBAR	EUNL00104224	43TRADEREFERENCEV/F078462949713	2014-10-28 17:81:18	44	
		•		XIBAR	EUNL00184224	43TRADEREFERENCEV/FD41457049713	2014-10-25 17:51:19	4-5	
		. 0		XIBAR	EUNL00184224	43TRADEREFERENCEV/FD41467770713	2014-10-26 17:51:18	4-5	
		• •		XBAR	EUNL00104224	43TRADEREFERENCEV//FD41962966713	2014-10-25 17:51:10	4.5	
		• •		XBAR	EUNL00184224	43TRADEREFERENCEV//FD41962955555	2014-10-25 17:51:18	4-5	
		• •		XBAR	EUNL00184224	4TRADEREFERENCEV/FD41982985858	2014-10-26 17:51:18	4-5	
		• •		XBAR	EUNL00184224	4TRADEREFERENCEV/TD4198298558	2014-10-25 17:51:10	4.5	
		• •		XMBM	FR0000120544	3TRADEREFERENCE/VFD4106204076	2014-10-24 17:51:18		
		• •		XPRA	FR0000120844	43TRADEREFERENCE/VFD4105294078	2014-10-24 17:51:18	4.5	
		• •		XMSM	FR0000120844	STRADEREFERENCETKBT2443038418	2014-10-17 23:10:39	+0	
				XMSM	FR0000120544	43TRADEREFERENCETH8T2443038418	2014-10-17 23:10:30	+.5	

- ALL CANCELLED Block :

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

									0	L CANCELLED
										00%
080							NEXT SATURN	🕌 EURO		
	seb3									
FILTER		ARCH Q	FREE SE		SELECT COLUMN TO		ANSACTIONS	T 22 TD		
PIETEN		ARCH Q	PREE St		OLLEOT OOLOMIT IT		AN ANG TIONS	1 22 110		
ENTERING COUNTERPART	PRE TRADE FLAG	TRADING DATE TIME	TRADE REFERENCE .	ISIN #	TRADING VENUE	REASON OF THE STATUS	S OF TRADE .	E STATUS		
	40	2014-10-25 17:51:10	SSTRADEREFERENCE/V/F078452646715	EURL00164224	XBAR		0			
	+-5	2014-10-25 17:51:18	22TRADEREFERENCE/VFD41457648713	EUNL00184224	XMAR		0			
	4.0	2014-10-28 17:61:18	33TRADEREPERENCE/VPD41457778713	EUNL00184224	XMAR		8			
	40	2014-10-25 17:51:10	SSTRADEREFERENCE/V/F0419528/8713	EURL00164224	XBAR		8			
	4.5	2014-10-25 17:51:18	23TRADEREFERENCE/VFD4195265555	EUNL00184224	XMAR		0			
	4.8	2014-10-25 17:61:18	337RADEREPERENCE/VPD4195286856	EUNI.00184224	XINA		0			
	48	2014-10-25 17:51:10	4TRADEREFERENCE/V/FDT8462949713	EUNL00164224	XMAR		0			
	40	2014-10-25 17:51:10	317A0EREFERENCE/V/F013453448113	EUNL20164224	XMAR		8			
	45	2014-10-25 17:51:15	477400707070146770713	EUNL00184224	XMAR		8			
	+0	2014-10-25 17:51:10	attradereference/v/F041457948713	EUNL00164224	XIAR		8			
		2014-10-25 17-51-18	ATTACEAEPERENCEV/FD41062865113	EURL00104224	1000		8			
	4	2014-10-25 17:01:10	3784068676868069V/T041467770713	EUNI.00164224	XMAR		8			
	+1	2014-10-25 17:51:19	3TRADEREFERENCE/VFDH1953955713	EUNL00164224	XMAR		8			
	**	2014-10-25 17 51 18	DTRADEREPERENCE/V/FD41062055555	EUNU00184224	XMAR		ő			

- 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 TRANSACTIONS		SELECT COLUMN TO	DISPLAY *	FREE	SEARCH Q		FILTER
STATUS OF TRADE	REASON OF THE STATUS	TRADING VENUE	ISIN 9	TRADE REFERENCE •	TRADING DATE TIME	PRE TRADE FLAG	ENTERING COUNTERPART
		XMSM	IE008D4H0F21	TESTXLS1KFQ8RVT5SD	2018-08-25 12:10:12	4	7H80LXDRU0QFU67RNE97
• A		XMSM	IE008D4H0F21	HFQ8RVT55D	2018-08-25 12:10:12		7H6GLXDRUGGFU67RNE97
A		XMSM	IE008DZRXD00	TESTXLS1TRADE080E614453	2018-08-23 12:38:38	4	54930380V02CPH1DLK72
A		XMSM	IE00BDZRXD00	TRADEOBOE514453	2018-08-23 13:35:30	4	54930080V02CPH1DLK72
							X 4 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

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- Column to display :

This button can be used to select columns to display

SELECT COLUMN TO DISPLAY	Y 🔻
C X	QUAN
Origin II:41	
Status	
Date	
Quantity	
Side v ette	
< > e:10	

- FILTER Button :

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

💧 bnp20 FREE SEARCH Q TRADE VENUE ID TRADE REF SECURITY ID STATUS CHOOSE SETTLEMENT FLAG VENUE SIDE ORIGIN CHOOSE CHOOSE CHOOSE BYPASS CONTROL FLAG DEFERRAL INDICATOR APA/ARM INDICATOR ENTERING COUNTERPART CHOOSE CHOOSE OBOE --CHOOSE BUSINESS UNIT USER ARM APA APA & ARM × OBOE & ARM

≣

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	
₽	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		33TRADEREFERENCEV//TD41467040713	2014-10-25 17:51:18	45		
			33TRADEREFERENCE/VFD41457779713	2014-10-25 17:51:10	40		Ð
S			33TRADEREFERENCEV/FD41052055713	2014-10-25 17:51:18	4.5		
	ORDER ID MANAGER		33TRADEREFERENCE/VFD41092065555	2014-10-25 17:51:18	4.5		
ß			33TRADEREFERENCEV/FD4106286666	2014-10-25 17:51-18	4.5		
0			4TRADEREFERENCEV/F075452049713	2014-10-25 17:51-18	4.5		
0			3TRADEREFERENCEV/FD75M52W9713	2014-10-25 17-51-18	40		
•	About		4TRADEREFERENCE/VFD41457049713	2014-10-25 17:51-18	4.5		
*			4TRADEREFERENCE/VFD41467779713	2014-10-25 17:51:18	45		
1	New submission		STRADEREFERENCE/V/FD41457049713	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)

DASHBOARD	EURONEXT SATUR	N DEV						080
APA & ARM REPORTING							Itel1	
APA PRE-TRADE	95 TRANSACTIONS	S	ELECT COLUMN TO	DISPLAY *	FREES	SEARCH Q		FILTER
COMMODITY REPORTING	STATUS OF TRADE #	REASON OF THE STATUS	TRADING VENUE	ISIN 8	TRADE REFERENCE .	TRADING DATE TIME	PRE TRADE FLAG	ENTERING COUNTERPAR
			XMEM	PR000120644	TRACEMENTERINCET/RETOROSOM15	2018-08-11 11.38-40	000000	542320.P2232844.0738547
SLC MANAGER			XMSM	E005040721	REPOBLESC24	2018-08-35 00:11:20		544000/P253844/APW647
OTC TRADE			XMSM	1000002794000	MEPOBOE5026	2010-08-30 18 40:22		5460005253ACUPTETV407
OTC TRADE			EVEN		4327840ER0FERENCE/V/T041487778888	2010-08-20 12:12:54		
OBOE TRADE	<u>→</u> "		XOSL	DUNE30104150	18+0EREFERENCESE.01221408749	2015-11-25 22:57:38	40	
			XZRA	EUN4.25093196	433TRADEREFERINCED82R49822222	2015-11-20 10:49:25	+5	
ORDER ID MANAGER			XERA	EUN4.05093199	432778-0676767690-0606278-6822437556	2015-11-20 12-49-28	+0	
0	A		XMSM	E00549(2701)	433TR40EREFERENCE082R4582213759	2015-11-20 18:46:28	+5	
REPOSITORY			X084	6LP4.07063166	TRADEREFERENCERJ-027102/0144	2010-11-12 21 32 54	40	
AUDIT			XLIT	FFED002184268	431TRADEREFERENCE///CENSIN-0000	2015-11-17 11.80-47	+5	
	= A		XBRA	FRENDRINADAD	TRADEREFERENCEOUX/SIZINATIO	2015-10-20 14:20:45	4.5	
About	= 🔺		XVTX	U6/15660/1005	TRADEREFERENCEOHOLMM8071248	2016-11-26 21 14:42	4.5	
			ATEK	8UNL0817428	TRADEREPERENCE/CPREIBIO3108	2010-11-18 14:14:54	4.0	

The following default information is provided:

	ICON	DESCRIPTION						
COLUMN	/FORMAT							
		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						
Text Text for failed or warning reject								
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						
	LITCT's sets	Timestamp in microseconds of when the order/transaction request						
TRADING DATE TIME	NG DATE TIME UTCTimesta was initiated/released by the trader or trading system, or execution/order creation							
PRE TRADE FLAG	mp	execution/order creation						
_	100 17110	Code used to identify the entity executing the transaction						
ENTERING	ISO 17442							
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 FLAG		trade waiver in accordance with Articles 4 and 9 of Regulation (EU)						
		600/2014 as it has been on-shored in the UK						
CUSTOM TEXT1	String	Free form text manually entered by the client – Custom Field						
TRADING VENUE	ISO 10383	Code assigned for a matched trade by the Euronext Trading Engine						
TRANSACTION ID		and which was disseminated to both Buyer and Seller						
	Integer	EU and UK MiFID II field that indicates whether the transaction						
TRADING CAPACITY	0-	submitted results from trading as matched principal, on own account						
1		or as any other capacity						
USER	Person/Firm	Member						
BYPASS CONTROL	alphanum	Control indicator of the price and LEI. Indicates whether a trade						
FLAG		should bypass the LEI controls or not.						
DEFERRAL	Integer	Indicates the subscriber's deferred publication wish						
INDICATOR		וומוכמנכי נווב משמכוושבו ז מכובורכם אמשווכמנוטוו שומו						

COLUMN	ICON /FORMAT	DESCRIPTION
OTC POST TRADE INDICATOR	String	Indicator as to the type of transaction in accordance with Articles 20(3)(a) and 21(5)(a) of Regulation (EU) 600/2014 as it has been on- shored in the UK

The window offers additional information and features:

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

FREE SEARCH Q

Transactions criteria – access to all transaction filters:



• Choice of the columns to display on the table:



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

FUNCTION	DESCRIPTION
Ş	Refresh button
٢	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
ľ	Edit Selected Transaction
2	Copy Selected Transaction
Ð	Insert a new transaction
	Generate ESMA Report
	Export TX in Errors

7.3 TRANSACTIONS STATUS

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

Please note that for OBOE Trade:

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

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

Status referring to this validation can be referred to "Euronext Status".

STATUS		DESCRIPTION
Euronext Status		
Checked & Ready		Compliant Transaction after Client validation - Checked & Ready
Failed		 Failed: Transaction contains errors. Failed transactions can be corrected and 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	83	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

Total Transactions	ALL FAILED 112	ALL CANCELLED	4 ALERTS	4			
187	59.89%	2.14%	2.14%				
ETAIL	≡						
						bnp20	
TRANSACTIONS	s	ELECT 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	IE00BDZRXD00	TD02A5LU4TB44541469	2018-09-18 11:11:12	7	7H6GLXDRUGQFU67RNEB7
		XMSM	IE00BDZPXD00	TD02A5LU4TB4454145454	2018-09-18 11:11:12	7	7H6GLXDRUGQFU57RNE97
0		XMSM	IE00BD2RXD00	TD02A5LU4T84454145154	2018-09-18 11:11:12	- T.:	7H8GLXDRUGQFU57RNE97
0		XMSM	E00BD2PXD00	TDD2A5LU4TB44541478542	2018-09-18 11:11:12	7	7H8GLXDRU0QFU57RNE97
0		XMSM	IE00BD2PXD00	TDD2A5LU4T844541895692	2018-09-18 11:11:12	7	7H6GLXDRUGQFU57RNE97
0		XMSM	1600802RXD00	SLLCWNEM0209UHISWW02FEC3008J00	2018-09-18 11:11:12	7	7H60LXDRUGQFU57RNE97
0		XMSM	1E00802RX000	17FBNGM7YRHOE42HF8SRXSX1E4FNGMU	2018-09-18 11:11:12	7	7H6GLXDRU0QFU57RNE97
0		XM/SM	IE00B02RXD00	YGSSGQXHSYFJ5SJHOPWAFTYLD5Z3ZEJ	2018-09-18 11:11:12	7.	7H6GLXDRUGQFU57RNE97
0		XMSM	IE00802RXD00	YGSSGQXHSYFJ5SJHOPWAFTYLD5232EJ	2018-09-18 11:11:12	7	7H6GLXDRUGQFU67RNE87
0		XMSM	IE0080ZRX000	3SXVDEXTRI2GOX5Z2Q7LUCOWHFEIT085	2018-09-18 11:11:12	7	7H6GLXDRUGQFU67RNE97
8		XSMP	IE00BDZRXD00	SRFYFTOE501509	2018-09-17 18:42:22		549300SZKMCJPPF1VH37

7.4.1 Transaction Type : OBOE

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

INSERT NEW TRANSACTION	
APA/ARM indicator : OBOE	*
OB	OE Details
Trade Ref	\sim
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	
Counter Part Type CHOOSE	Entering Counterpart
Deferral Indicator	Publication Datetime
	OB Trade Ref Executing Firm 549300WCGB70D06X2554 Instrument Id OCHO05E Price OTC Post Trade Id OTC Post Trade Id OTC Post Trade Id Counter Part Type CutOpe

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

APA/ARM Indicator CH006E	INSERT NEW TRANSACTION APA/ARM indicator OBDE & ARM		APA/ARM indicator : 000E & ARM			APA/ARM indicator : OBOE & ARM		8
	Transaction detail OBO	E Details Client detail	Transaction detail	OBOE Details	Client detail	Transaction detail	OBOE Details	Client detail
	Trade Ref	î	Counter Part Type CHOOSE	Entering	g Counterpart	Side Type	CHOOSE	
	Trade Id		Deferral Indicator CHOOSE		tion Datetime MM-DDThh:mm:ss.dddZ	Identification Code First Name Surname		
	Executing Firm 549300WCGB70D06XZS54		Euronant Trada Flags	Free Te	ot	BirthDate	YYYY-MM-DD	
	Instrument Id	Venue						
	Price	Price Notation CHOOSE						
	Guantity	Guantity Notation CHOOSE						
	Price Currency	Quantity Currency						
	Nat Amount	Side CHOOSE						
	Transmission Order CHOOSE	Country Branch Membership						
	Trading Capacity 1 CHOOSE	Trading Capacity 2 CHOOSE						
CANCEL X	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 :



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

107 TRANSACTIONS		SELECT COLUMN	TO DISPLAY	FREE	E SEARCH Q		FILTER
STATUS OF TRADE 🗢	REASON OF THE STATUS	TRADING VENUE 🗢	ISIN ¢	TRADE REFERENCE +	TRADING DATE TIME	PRE TRADE FLAG	ENTERING COUNTERPART
0		XSMP	IE00BD2RXD00	SRFYFTOE501509	2018-09-17 18:42:22		54930052kMCJPPF1VH37
•		XSMP	IE00BD2RXD00	SRFYFTOE5015458	2018-09-17 12:42:22		546000S2HMCJPPF1VH37
•		XMSM	IE00BDZRXD00	TDD2A5LU4TB44255	2018-09-17 12:11:12	7	7H5GLXDRUGQFU57RNE97
0		XMSM	IE00BD2RXD00	TDD2A5LU4TB148593	2018-09-17 12:11:12	7	7H5GLXDRUGQFU57RNE97
0		XSMP	IE00BD2RXD00	SRFYFTOE5015148	2018-09-17 08:42:22		549300S2KMCJPPF1VH37
•		XSMP	IE00BD2RXD00	SRFYFTCE50151548	2018-09-17 08:42:22		549300SZKMCJPPF1VH37
0		XMSM	IE00BD2RXD00	TDD2A5LU4TB4454354354	2018-09-15 01:11:12	7	7H50LXDRU0QFU57RNE97
0		XMSM	IE00BD2RXD00	TDD2A5LU4TB44154	2018-09-15 01:11:12	7	7H5GLXDRUGQFU57RNE97

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

Executing Firm Trading date time	A/ARM indicator : OBOE	▼	APA/ARM indicator : OBOE	~
549300WCGB70D06XZS54 2018-09-17T10:11:12:260000Z Executing Prim Trading date time 549300WCGB70D06XZS54 2018-09-2510:10:12:260000Z Instrument Id Venue IE00BD2RXD00 XMSM IE00BD4I0F21 XMSM BUY CHOOSE DEAL DEAL 10011 missing 0EAL Price Quantity 123:456 5000 OTC Post Trade Id Waiver Indicator US US Executing Print Findice BENC US Vaiver Indicator US BS/25 [by pass must be 0 or 1 for obce trades Entering Counterpart Counter Part Type Entering Counterpart CHOOSE Theding Augustion Date(inter) Trading date time Store 10011 missing Trading Capacity Bypass Control Flag Entering Counterpart 60025 [by pass must be 0 or 1 for obce trades Entering Counterpart ChoosE Theding Augustion Date(inter) 10011 missing Thedring Counterpart ChoosE Thedir Indicator Publication Date(inter) 10025 [by pass must be 0 or 1 for obce trades Theding Counterpart ChoosE Theding Counterpart ChoosE Thedin	OBO	E Details		OBOE Details
hstrument Id Venue IE00BDZRXD00 XMSM IE00BDZRXD00 XMSM Side Trading Capacity BUV CHOOSE Toding Trading Capacity Defact Trading Capacity BUY CHOOSE Toding Trading Capacity BUY Choose Trading Capacity BUY Choose Toding Trading Capacity BUY Choose Toding Trading Capacity BUY Choose Tr	Executing Firm 549300WCGB70D06XZS54			-
Side Trading Capacity Index partity BUY ChOOSE DEAL 10011 missing Price Quantity 23.456 5000 OTC Post Trade Id Valver Indicator LIS OTC Post Trade Id BENC LIS Buy Soloe Soloe Frice Soloe OTC Post Trade Id Waiver Indicator LIS Entering Counterpart Bypass Control Flag Soloe Trading Capacity Buy B00525 by pass must be 0 or 1 for oboe trades Entering Counterpart CHOOSE TheGLXDRUGGFU57RNE97 Titoling missing Future Fast Type Counter Part Type Entering Counterpart THOGUNGFUSTRNE97 Deferral Indicator UID Insising VYYY-MM-DDThh.mm ss.dddZ			Instrument Id	Venue
Price Quantity 123.456 5000 3011 juncie must be reported as a multiple of information provide and information provide as a multiple of information provide as a multiple of information provide and information provide and information provide as a multiple of information provide and information provide as a multiple of information provide and		CHOOSE	Side	Trading Capacity
à -0.001 Waiver Indicator IRGS IRGS BRIC BRIC <td< td=""><td></td><td>Quantity</td><td></td><td>,</td></td<>		Quantity		,
BENC LIS Bypass Control Flag Bypass Control Flag Bypass Control Flag B025] by pass must be 0 or 1 for oboe trades Entering Counterpart Counter Part Type Entering Counterpart CHOOSE 7H6GLXDRUGQFU57RNE97 T1001 missing MMEDIATE PUBLICATION	à⇒0.0001	Waiver Indicator		PRIC
Image: Note of the second s	b	LIS	Bypass Control Flag	set out in article 6 - rts 1
CHOOSE TH6GLXDRUGQFU57RNE97 Deferral Indicator Publication Datetime IMMEDIATE PUBLICATION YYYY-MMI-DDThh:mm:ss.dddZ		Estains Counterpart		Entering Counterpart
Deferral Indicator Publication Datetime Euronext Trade Flags Free Text	CHOOSE 🗸			
IMMEDIATE PUBLICATION - 2018-08-24T10:11:12.260000Z			Euronext Trade Flags	

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

			×
a	re you sure you want to update	Transaction	?
		✓ YES	× NO

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

7.5.2 Amendment of OBOE + ARM Transaction

To amend a transaction, do the following :

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

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

TRANSA	CTIONS	SELECT	COLUMN	TO DISPLAY			FREE	SEARCH	Q		FILTER
HISTO	TRANSACTION REFERENCE NUMBER \$	ORIGIN \$	STATUS \$	DATE ¢	QUANTITY	SIDE	SECURITY ID	PRICE	VENUE ¢	BUSINESS UNIT 🗢	EXECUTING ENTITY ID
9	TESTXLS1TRADE0806003	S	0	2018-08-29 10:01:33	0771011.49	S	IE008D4H0F21	51325.09108	XMSM	BU020	5493001B2OGZ3K0G1G03
0	TESTXLS1TRADEOBOE6002	S	0	2018-08-29 18:01:33	956128.339	S	IE00BD4H0F21	336109.6001	XMSM	BU020	548300HUWQH7YHZVHL75
9	TESTXLS1TRADEOBOE8001	S	0	2018-08-29 16:01:33	601311.106	B	IE008D4H0F21	328551.2619	XMSM	BU020	549300BXEK8ERXF07G21
9	TESTXLS1TRADREMRF558020180823	S	0	2018-08-23 17:19:40	12	0	AN8083571085	12	XOFF	BU020	549300WCGB70D08X2S54
9	TRADEOBOE6003	S	0	2018-08-29 16:01:33	6771611.49	S	IE00BD4H0F21	51325.09106	XMSM	BU020	5493001B2OGZ3KOG1G03
9	TRADEOBOE6002	S	0	2018-08-29 16:01:33	956128.339	6	IE00BD4H0F21'	335109.5001	XMSM	BU020	549300HUWQH7YHZVHL75
9	TRADEOBOE6001	S	0	2018-08-29 16:01:33	591311.108	B	IE00BD4H0F21	328551.2819	XMSM	BU020	549300BXEK8ERXF07G21
Ξ	TRADREMRF558920180823	S	0	2018-08-23 17:19:40	12	0	AN8068571086	12	XOFF	BU020	549300WCG870D06XZ354

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

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Transaction detail	OBOE Details	Client detail	Transaction detail	OBOE Details	Client detail
rade Id RADINGVENUEQBPU935705	305		Counter Part Type CHOOSE		ounterpart 0VO2CPH1DLK72
Executing Firm 5493001B2OGZ3KOG1G03			Deferral Indicator CHOOSE		n Datetime 19T13:24:52.114600Z
nstrument Id E00BD4H0F21	Venue XMSM		Euronext Trade Flags	Free Text	
Price 51325.09106	Price Notation MONE	•	33	<i>I</i>	
Quantity 6771611.49	Quantity Notation UNIT	-			
Price Currency	Quantity Currency				
Net Amount 737724.4009	Side	-			
Transmission Order TRUE	Country Branch M	ambership			
Frading Capacity 1 AOTC	Trading Capacity 2 CHOOSE	-			
Buyer Firm Id	Seller Firm Id		~		

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

		×
are you sure you want to update	Transaction	0
are you sure you want to update	Transaction	r
	✓ YES	× NO

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

7.6 CANCELLATION OF OBOE OR OBOE+ARM TRADES

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

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

							💄 bnp20		
T 113	RANSACTIONS		SELECT COLUMN TO	D DISPLAY	FREE	SEARCH Q		FILTER	E
STA	TUS OF TRADE O	REASON OF THE STATUS	TRADING VENUE	ISIN ¢	TRADE REFERENCE \$	TRADING DATE TIME	PRE TRADE FLAG	ENTERING COUNTERPART	3
	0		XMSM	IE008D2PxD00	TDD2A5LU4T844541478542	2018-09-18 11:11:12	7	7H8GLXDRUGQFU57RNE97	
	•		XMSM	IE00BD2FXID00	SLLCWNEMO200/UKISMWDZFEC3006JG0	2018-09-18 11:11:12	7	7H6GLXDRUGQFU67RNE97	x l
	•		XMSM	IE00BD2PXD00	YGSSOQXKSYFJ5SJHOPWAFTYLD5Z3ZEJ	2018-09-18 11:11:12	7	7H6GLXDRUGQFU57RNE97	(8)

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

	H114	×
are you sure you want to cance	el items ?	
	✓ YES	× NO

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

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

The status of trade cancelled changed from \bigcirc or 0 or 4 to 3

							a bnp20	
7 TRANSACTIONS SELECT COLUMN TO DISP		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
	8		XMSM	IE008D2RXD00	TD02A5LU4TB4454145154	2018-09-18 11:11:12	7	7H8GLXDRUGQFU57RNE97
	83		XMSM	IE00802RXD00	TD02A5LU4TB44541478542	2018-09-18 11:11:12	7	7H8GLXDRUGQFU57RNE97
	\$3		XMSM	IE00BD2FXD00	1TFBN0MTYRHOE42HF8SRXSX1E4FN0MU	2018-09-18 11:11:12	7	7H6GLXDRUGQFU57RNE07
	8		XSMP	IE00BDZRXD00	SRFYFTOE501569	2018-09-17 18:42:22		549300SZKMCJPPF1VH37

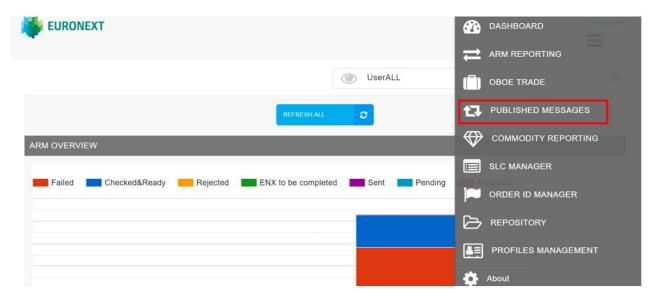
8. PUBLISHED MESSAGES

The Published Messages page allows Saturn's users to have more information regarding the messages published to the market: their status and delay of publication.

8.1 DASHBOARD

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 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 restricted access the services are shown in tabs at the top of the screen:



8.2 MESSAGES CONSULTATION

The Saturn application provides the details of all published messages with their respective status.

From Dashboard, select Published Messages to view the details of OBOE's published messages. By clicking on Published Messages, the window below display all Published Messages with all status (Sent, To be sent, Cancelled, Error, Message group undefined)

8.2.1 User Interface

The list of published messages are displayed as follows:

			UserALL				(
416 MESSAGES	SELECT CO	DLUMN TO DISPLA	Ý V		FIL		E
 TRANSACTION REFERENCE NUMBER	TRADE UNIQUE IDENTIFIER	PUBLICATION STATUS	DEFERRAL DELAY	PUBLICATION DATE (UTC)	PUBLICATION TIME (UTC)	PUBLICATION INDICATOR	${old c}$
H3ZYGVCO7Z80JAC9PS0JQ50ZGFR7FOC16GAN5IJC0Y1YB	5DD122CU	0	Immediate	2024-11-14	5:34:37	NEW	R
7E796YURACIU4WWSADSSI3VH4VTSH0Q7DQX9DRVZEFRY2	5DD122CV	1	Immediate	2024-11-14	5:34:46	NEW	
J8V5CKPXFKSY4WV008B9NXU1F3NKX7CQ5HZIIO8THZNUZ	5DD122CW	0	Immediate	2024-11-14	5:34:50	NEW	
6K2WAEZTXJNOBDSO0AAT4830Y4ML4Q71BGYQJZYI3MXTI	5DD122CX	1		2024-11-14	5:34:57	NEW	
3TXFGJN10WR02197GWVW3P9ZO1R6N7RPQZO21LS3OQMH5	5DD122CY	1	Immediate	2024-11-14	5:46:07	NEW	
					3 4 5 🕨	15 🗸	

The following default information is provided:

COLUMN	ICON/FORMAT	DESCRIPTION
TRANSACTION REFERENCE NUMBER	String	Refers to the OBOE transaction reference number.
TRADE UNIQUE IDENTIFIER	String	Refers to the OBOE trade unique identifier.
PUBLICATION STATUS	String	Status of the published message.
DEFERRAL DELAY	String	Delay of publication.
PUBLICATION DATE (UTC)	Date	Date of publication (YYY-MM-DD).
PUBLICATION TIME (UTC)	Date	Time of publication (HH:MM:SS).
PUBLICATION INDICATOR	String	Indicates whether the publication refers to a new, amend or cancelled OBOE transaction.

The window offers additional information and features:

IN TO DISPLAY	~			FILTER	=
UE PUBLICATION D	ATE		_		
TRADE UNIQUE	IDENTIFIER	Ë	ХТо		Ë
TRADE REF			PUBLICATION ST	ATUS	
			CHOOSE		~
CLEAR ITEMS	×			RUN	3

FUNCTION	DESCRIPTION
3	Refresh button
X	Export to Excel. The exported file will contain the list of all transactions with all columns.

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

8.3 MESSAGES STATUS

The table hereunder list all possible status of published messages :

STATUS	ICON	DESCRIPTION
Sent	1	Sent: the message is published.
To be Sent	X	To be Sent : the message is ready but not yet sent. (deferred publication)
Error	0	Error: the message couldn't be sent due to an error. (technical error)
Message Group Undefined	•	Message Group Undefined : the message group is undefined for this message. (technical or configuration error)

8.4 EXPORTING DATA

The messages visible in the Saturn User Interface 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.

9. APPROVED PUBLICATION ARRANGEMENT PRE-TRADES – QUOTES

9.1 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	SATURN qa2									APA PR	E-TRADE
									🅐 bnp20		C
D QUOTES	S SELECT COLUMN TO DISPLAY									FILTER	i=
SECURITY ID	PRICE CURRENCY	MIC	BID USER	BID DATETIME	BID SIZE	BID	ASK	ASK SIZE	ASK DATETIME	ASK USER	C
					No records found						۲
										H 44 1 D H 15 V	

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	Saturn neiu	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

9.2 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.

10. SHORT-LONG CODES MANAGEMENT SERVICES

10.1 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).

			REFRESH ALL	Ø			
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	OBÓE						Ľ
Total Transactions	ALL FAILED 573	ALL CANCELLED 13	ALERTS 107				
925	61.95%	1.415	ALERTS 107				
DETAIL 🗮							
POSITIONS OVERVIEW							Ľ
Total Positions	ALL FAILED 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	VIEW						ď
Total Codes	ALL FAILED 0	ALL EURONEXT 0	ALLEDI 0	All Signa-X-UK 0	ALL Sirms-X-EU 0	ALL Synapose 0	ALL AX Block Trading
0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
•							•

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

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eer oob				YATER						
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	-a	distance.	arrive and	۲	Ramon the Provide Interest (I	Lonai	(Jana man	internet.		R
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	attypes	1000000000	get in a respect	0	Dari terihakin aka berara (Dar Pini,	Report.	201-0-0			10
	474/0000	Linescore Halts	1011-1110-12.34 AL	0	Derivatives a character in Phys.	Arrest	ann said			•
	2124044	1819210000		0	Destination and below it of the	Arrest	20710.00			
		00000000	2010/02/1014	0	Executer description as a figst value.	Sent.	202-014	225-25-28		
	-1012094	alternational at the	1011-1012 Volume	0	Exercise Stree Fire as a figs, on a	Spar.	2016-01-02	3320.01.01		
	010204200		2010/2110/08	0	Constant West Friday & Marine C.	Spart .	101-10-10	004-0210		
		and the second		0	Concept Secure State For an antipe	Sput.	2020.00.00	-		
				0	Annual and the Park of a logit second	Ser. 1	anen-11	-		
1		1240000144	2102104	0	Executer Street Fire as a flags, velow	Spect.		100.010		
	1001048110	(Percenter)		0	for family from (also a cd)	Spot	passion of	228449-m		
ú	000045	12460108277	and support of the second	0	manager because work from as pringer	Seren .	204004	100-02-07		
		a descent data and a	and installation	0	Internet Descention For an elinge.	Spin 1	Canada C	.00-0-04		

On the dashboard page, the "DETAIL" Button:

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

HORT/LONG C	CODE OVERVIEW							
Total Co	des ALL FALLED	a ALLEN	RONEKT 0 AL	LODL 0 ALL Signa-WUK	0 ALL Signar 30-DU	0 ALL Synapse 0 ALL AX Block T		
10.1		0.00%		0.00%	0.00%	0.00%	0 ALL AX Block Trading 0.00%	
DETAIL								
17 ITEMS							FILTER	
			MARKET TYPE			PARTICIPANT COMMERCIAL NAM	••	
۲	10228	2017-10-10	Econet	brg-11	00000879			
0		2017-02-27	Spre I.	mail	00000879			
0	9	2017-10-27	Bernet	trull	00000879			
0	1.00	2017-10-27	Lunerteurg	10mp20	00000879			
0	1	2017-01-08	former	tryitt	00000879			

≣

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

HORTH ON SIG	XODE OVERVIEW						
тын са 10.1	AULPALED	R ALLEO BLOOK	0NEX1 9 ALL		(UK 0) ALL S (pro X 8) 0.00%	0 8 AU. Symptom 8.00%	1 ALLAS Book Seeing
DETAI	E						
7 ITEMS							FILTER
• • • • •	10 /4 7	20140-0	MARKETTAL P	USE4 7	DATE From	• To	STATUS CHOCSE +
ŏ		1011-00-01	Dycard.	0.00	From	Tu	PAYLE PAYL KARE
0	•	2017 40 ST	Derivation (lene20	USER	BARTICIPANT ID	MARKETTYPE
ŏ	2	2019-01-01	Day of	6.00	CLEAR DENS		Sgrax -

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 .	DATE #	WARET FYPE #	USER 0	PARTICIPANT ID .		
0		2017-02-27	Synax	trail.	00000479		
0		2017-10-28	Spra X	aptimed	00000879		
						H H	H H 5 *

10.2 SLC CONSULTATION

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

								🌲 . H		0
0000 COO	SELECT COLUMN TO DISPLAY								10,111	
ucer		41040 COURT #	00110	-	(come more: •)	-	APPECTAN DATE &			3
10	4	Löwletootat	21-22.02	۲	Remains Million Print and a Restorate IC	Scene.	204-018	222.02.10	142	D
	14	LO-MORE A	1010-0-04 10 10 17	0	transmit Jacker (00) for marings	Sec.	2112-112	2021-00-0	Carlant.	
	14	(040030528	21102001	0	Transmitt Sampler (Millio Forma) a Satural (S	forest	274.4538	005-05-14		
10	-	LONDON WAR	000004000	0	Carl sectors in a term (1) in this	Acres	gast-stag			141
	4103103	Constructions	2010/02/04	0	Card Section in a National State Public	Series.	341115-01		ang/11	Ð
		F887527242484	#17-1-18 (K.2) (I	0	Cart methods in a brand it is free.	Revenue.	101.048		99471	
1	-mainternet	control of the second	20.62.9940	0	Description of the Area and Area and	Tares	2001-08-08	100.00.00	****	
1	-971210442	104000083414	provide stated	0	Streamer West Free as a fight set at	Spect.	2212-21-10	2021-0-10	****	
	012244228	10x0x000press	27.62 8.62	0	Statution dates from as a factorie C	Sync 7	20+0-0	101-0-0	100	
1		Construction and	21.07.010	۲	magnet factor title fire as a tip.	Spect	and the second	20404.0		
15	analytics.	linectoties	2110210340	0	franciscomo for acargo una	Aprel 1	2016-0-0	2226.0114	inali	
B		1000000-000	1017-05-07 10-04-07	0	Entering the first state type when	April 1	22-04-02-05	2020-02-05	****	
11	1001048778	LINKCODESSAR	2110210447	0	Test Danuting Brites Table as a UK	Spin 5	2020-02-01	1004-02-11	0.01	
11	-714214121	LONG DISCOURSE.	ALC: U.S. (1999)	0	manifest factors dotte from as an inge-	Spal	2014-04-20	10110-08	10410	
10. I		Lineologiane	2010/02110/04/01	0	Statutes when free as a logit, lotter	Squar.	2060-0	100101-01	angeld.	

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					

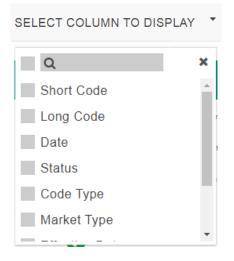
COLUMN	ICON /FORMAT	SOURCE	DESCRIPTION
			Checked & Ready
MARKET TYPE	Multi-choice	Saturn field	The market data
EFFECTIVE DATE	YYYY-MM-DD HH:MM:SS	Saturn field	Date as of which the short and long code mapping is effective.
END DATE	YYYY-MM-DD HH:MM:SS	Saturn field	When filled, indicates when the registration 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
3	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
අ	Insert a new SLC via Copy
Ð	Insert a new SLC

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

10.3 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	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.

10.4 **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:

st be exactly equal to 20 characters)
First Name
Date of Birth
YYYY-MM-DD
7

- 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.

10.5 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.

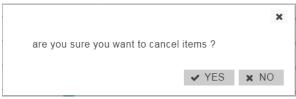


Choose the SLC to cancel by checking the checkbox on the left of the screen.



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.

10.6 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:

Saturn - User Guide	- Euronext Cash an	d Derivatives Markets
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										-	188		1
SELECT COLUMN TO DISPLAY *												FATER	
	conc •		9478. B	-	-	вноят соок		LONS CODE		EFFECTIVE	DATE		
	1.601	LOWISCOURS.	100.010.00.00.00	0						From		- 31	
			ATT 11 48 46 48 37	0	- and the	Andread		CODE TYPE CHOOSE	manufal				
	1.00	124000000	2011-01-00-00-01-07	0	ingener		+			Figes		- 74	
	#1314		arrives man	0	Queries	CHOOSE		USER					
	energiante	1246(2001000)	annia aise	0	Certie								-
1	21240340	representation	4111114141414	0	Owine	E11 #1 P11#1	×	Į.				and a	0
1	- and a second	0000000	201402141407	0	Anna	an anna fion as a right since		Saint.	300	-01-27			
1	-171-100	unanity of the	3017-10-27 10(3m3) ²	0	1.644	and an other strength and a		Spin F		10.4	100.014	4400	
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	41407014	circulation	1011-0121-0144/F	0	. base	er den er for av a reger verse		Spect.		10-0	1000-0-10		
1		109000009442	20.047.0407	0		and the first of a sign seture		19141	- 214	10.01	100101-0	100	
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		12940100021404	WHEN AN AD ADDRESS	0	1400	Owner they for a side		Spect.		10121		110	

10.7 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.

10.7.1 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.

11. COMMODITY REPORTING SERVICES

11.1 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			
			💿 bnp20
0 POSITIONS	SELECT COLUMN TO DISPLAY	FREE SEARCH Q	FILTER 🗮
HISTO REPORT REFERENCE NUMBER \$	STATUS \$ HOLDING POSITION TRADING DAY \$ DATE \$	REPORTING ENTITY ID ¢ POSITION HOLDER ID ¢ POSITION HOLDE	R ID TYPE + TRADING VENUE IDENTIFIER +
		No records found	
			K < 1 🔉 N 15 🗸 🔀
			e *
POSITIONS OVERVIEW			മ
Total Positions			
ALL FAILED	49 ALL HEDGING 26 ALL NOT HEDGING		
51 96.08%	50.98% 49.02%	1.96%	
DETAIL			

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

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

ALL HEDGING	26
50.98%	

26 POSITIONS		SELECTIC	OLUMN TO DISPLAY		FREE SEARCH	Q	FILTER
JSINESS 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	202003	52103	292972	765500	TRUE
BU1	Futures	Spot month	650444	150067	69570	888317	TRUE
BU1	Futures	Spot month	744140	10306	131144	513103	TRUE
BU1	OTC equivalent	All other months	455948	345904	662316	005877	TRUE
BU1	Futures	Spot month	527190	577340	457123	466035	TRUE
BU1	Options	Spot month	409038	804548	347139	81026	TRUE
BU1	OTC equivalent	All other months	413093	8905D	679603	928970	TRUE
BU1	Futures	All other months	905249	211788	97859	220807	TRUE
BU1	OTC equivalent	All other months	64417	851001	379653	83853	TRUE
BU1	OTC equivalent	All other months	714180	438409	401951	175408	TRUE
BU1	Options	All other months	307749	551540	722228	965477	TRUE
BU1	Options	Spot month	247529	584324	172328	843848	TRUE
BU1	OTC equivalent	Spot month	778743	739411	198642	72582	TRUE
BU1	OTC equivalent	All other months	120085	304459	380220	990889	TRUE
BU1	Options	Spot month	874232	185781	376902	488199	TRUE
) ((1 2)) 15

DETAIL

On the dashboard page, the "DETAIL" Button:

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

POSITIONS	OVERVIEW							C
Total	Positions	ALL FALED	49 ALL HEDGIN	G 26 ALL NOT HED	OING 25 ALL CANCELLES			
-		H.08%	50.54%	49.02%	OIND 25 ALL CANCELLES			
DETAIL	-							
_								
5 ITEMS								FILTER 2
STATUS &								PARTICIPANT COMMERCIAL NAME
0	28	2017-08-18	FML38	api./ww	x104.7	805	00000879	
0	10	2011-08-28	79.4	undorm	1007	8.1	000007%	
0		20108-28	Frie.100	uarGenne	XEA	845	00000716	
0		2017-08-28	Fm_50	uartenne	10.6	8/1	0000879	
0	,	2017-08-21	F16,335	une Correso	1007	8.4	0000079	

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

Total	Positions	ALL FAILED	49 ALL HEDGIN	NG 26 ALL NOT HE	DGING 25	ALL CANCELLED	1		
ļ		96.08%	50.98%	49.02%		1.96%			
TAIL	i=								
EMS									FILTER
									FILIER
itus o	TOTAL 0	DATE 🕈	RISK REDUCING ID	USER \$	TRADING VENUE IDE	DATE		STATUS	BUSINESS UNIT
	TOTAL ©	DATE © 2017-09-19	RISK REDUCING ID ©	USER ¢	TRADING VENUE IDE	DATE From	- <u>To</u>	STATUS CHOOSE	BUSINESS UNIT
tus ÷					TRADING VENUE IDE XM		- To	CHOOSE	BUSINESS UNIT
TUS =	24	2017-09-19	FALSE	apiUser	XMA	From	- To - To	CHOOSE -	BUSINESS UNIT
tus ≎	24 23	2017-08-19 2017-08-25	FALSE	apiUser usarCommo	2004 2004	From		CHOOSE -	BUSINESS UNIT

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 1 ПЕМ	s							FILTER 🔠
STATUS #								PARTICIPANT COMMERCIAL NAME 8
0	10	2017-04-28	79.4	uarCome	2007	84	00000779	
								HH BHH

11.2 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				
			() bnp20	6
0 POSITIONS	SELECT COLUMN TO DISPLAY	FREE SEARCH	Q	FILTER 🔳
HISTO REPORT REFERENCE NUMBER .	STATUS • HOLDING POSITION TRADING DAY • DATE •	REPORTING ENTITY ID POSITION HOLDER ID	POSITION HOLDER ID TYPE • 1	RADING VENUE IDENTIFIER •
		No records found		
				K 44 1 39 H 15 🗸 🔀
				<u>a</u>

EURONEXT SATURN qa2 🚳 DASHBOARD 🔀 COMMODITY REPORTING 🔅 🚣 CommoUser SELECT COLUMN TO DISPLAY 737 POSITIONS FREE SEARCH Q REPORT REFERENCE NUMBER \$ 0 2017-01-10 2017-11-13 14:35:02 QATCOMM0003 2138007TNJ412N79RU03 2138007TNJ412N79RU03 XMAT \bigcirc 2017-08-02 HPWM01KQ50 2017-11-09 10:22:48 7H8GLXDRUGQFU57RNE97 R0MUWSFPU8MPR08K5P83 XEUE 2017-11-21 н. TRADEREFERENCE597 0 2017-10-11 14:53:39 54930012Y1LCN3FHSB30 549300FEXEH0B3TS5U26 XMAT 0 2017-11-25 TRADEREFERENCE596 2017-10-11 14:53:39 549300 FEXEH0 B3TS5U26 5493003SZ08DW3R34S38 XMAT TRADEREFERENCE595 . 2018-10-13 2017-10-11 14:53:39 549300FEXEH0B3TS5U28 5493005GIOHA4VVQNV28 XMAT TRADEREFERENCE594 2015-10-29 2017-10-11 14:53:39 549300I2Y1LCN3FHSB30 549300 OE V8 QJ 44 FN U7 39 XMAT TRADEREFERENCE593 11 0 2018-10-25 2017-10-11 14:53:39 5493009Z76P5B851RY34 549300FEXEH0B3TS5U26 XMAT 11 0 TRADEREFERENCE592 2017-10-11 2017-10-11 14:53:39 549300 FEXE H0 B3 TS 5U 25 549300KFCCJ1Y2M20965 XMAT TRADEREFERENCE591 0 2016-11-29 2017-10-11 14:53:39 649300BXEK8ERXF07G21 549300BXEK8ERXF07G21 XMAT TRADEREFERENCE590 0 2016-11-16 2017-10-11 14:53:39 5493003SZ08DW3R34S38 649300UPZ83BMVN7WS47 XMAT TRADEREFERENCE587 0 2017-11-21 2017-10-11 14:49:50 54930012Y1LCN3FHSB30 649300FEXEH0B3TS5U26 XMAT 54930035Z08DW3R34538 TRADEREFERENCE586 0 2017-11-25 2017-10-11 14:49:50 549300 FEXE H0 B3 TS 5U 26 XMAT 0 2018-10-13 2017-10-11 14:49:50 TRADEREFERENCE585 549300 FEXEH0 B3 TS 5U 26 5493005GIOHA4VVQNV28 XMAT

The list of commodity positions are displayed as follows:

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.
	•		Indicates the current status of the position report A status description is available on roll-over
STATUS	8		Accepted -10-18 08:20:22
	*	Saturn field	
	8		
HOLDING POSITON DAY	Date		
DATE	Date	Saturn field	Submission date
REPORTING	Alphanum	Saturn	
ENTITY ID		field	
POSITION		Saturn	
HOLDER ID		field	
TRADING VENUE IDENTIFIER	MIC code	Saturn field	Identification of the venue applicable to the position

11.3 THE DIFFERENT POSITION STATUSES

	зпон керо	
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 re- submitted for Euronext validation prior to the cut-off time.

Possible status of Commodity Position Report:

		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.

11.4 CREATING A POSITION

It is possible to submit a new position 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 position, do the following:

• Click on "Insert Position" icon from the contextual menu in the right part of screen:

L		

The new position overlay is displayed:

Report reference number			
Security Id		Business Unit	
Holding Position Trading Day		Reporting Entity ID	
Position holder ID		Position holder email	
Position holder ID type CHOOSE			~
JItimate Parent entity ID		Ultimate Parent entity email	
Ultimate Parent entity type CHOOSE	~	Trading Venue	
Position Type		Position Maturity	
CHOOSE	\sim	CHOOSE	\checkmark

Populate all fields with expected data and click on the "INSERT" button. The new position line appears in the list of commodity positions.

AMENDING A FAILED POSITION 11.5

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:

ALL FAILED	49
96.08%	

- 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.

on the left of the screen or by 4- Choose the position to amend by checking the checkbox 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 NATIONAL ID	Trading Venue
	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	

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.

11.6 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:

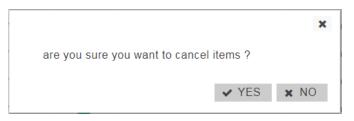
13. From the Transaction details screen, choose the lines to cancel.



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.

11.7 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:

PO	SITIONS	SELE	CT COLUMN TO DISPLAY *		FREE SEARCH	Q	FILTER
	REPORT REFERENCE NUMBER \$	STATUS 🗢	HOLDING POSITION TRADING DAY	DATE 🕈	REPORTING ENTITY ID \$	POSITION HOLDER ID \$	TRADING VENUE IDENTIFIER O
	TRADEREFERENCESVEA6376670463	0	2017-10-20	2017-09-19 11:59:40	549300FNZ97DXGFX0T14	5493009276P58861RY34	XMAT
	TRADEREFERENCEL YFY303058901	0	2018-10-23	2017-09-19 11:59:40	540300UP2838MVN7WS47	540300EXEKBERXFC7G21	ХМАТ
	TRADEREFERENCERYFF3624385596	0	2015-10-10	2017-09-19 11:59:40	540300FEXEH083TS5U28	546300FEXEH083T55U26	XMAT
	TRADEREFERENCE/PWQ1205641032	0	2017-10-21	2017-09-19 11:59-40	54R300/VCJ7FAYQ3/T80	5463003SZ08DW3R34538	XMAT
	TRADEREFERENCESBT0695804058	0	2017-11-24	2017-09-19 11:59:40	549300/VCJ7FAYQ3/T60	549300KFCCJ1Y2M20965	XMAT
	TRADEREFERENCEZHG75545041588	0	2015-10-13	2017-09-19 11:59:40	540300H8VST2R87WM540	5402003S208DW3R34538	XMAT
	TRADEREFERENCENMINIGT/05080052	0	2016-11-18	2017-09-19 11:59:40	548300HUWQHTYHZVHL75	548300FN2970XGFX0T14	XMAT
	TRADEREFERENCEN-MX4724098444	0	2017-10-28	2017-09-19 11:59:40	54R000BXEK8ERXF07021	549300UPZ838MvH/7WS47	XMAT
	TRADEREFERENCECRPT0610592222	0	2015-11-15	2017-09-19 11:59:40	54930035ZD8DW3R34538	549300FEXEH0B3T35U28	XMAT
	TRADEREFERENCELKFU8789769411	0	2015-11-26	2017-09-19 11:59:40	549300UP2838MVN7W547	5493000EV8QJ44FNU739	XMAT
	TRADEREFERENCEHTBUB007357549	0	2018-10-14	2017-09-19 11:59:40	5490005GIOHA4V/VQNV28	5493015GIOHA4VVQNV28	XMAT
	TRADEREFERENCELHMT5078082302	0	2017-11-26	2017-00-19 11:59:40	549300BXEK8ERXF07021	549300UP2838MVN7WS47	XMAT
	TRADEREFERENCEBCIU2534617457	0	2015-10-21	2017-09-19 11:59:40	549300KFCCJ1Y2M20905	549300/VCJ7FAYQ3/T60	XMAT
	TRADEREFERENCEPCUC8109034029	0	2017-10-24	2017-09-19 11:59:40	5463000EV8QJ44FNU736	546300HJ/WQH/TYHZVHL75	XMAT
	TRADEREFERENCE/TPJ8322854757	0	2017-11-18	2017-09-19 11:59:40	549300H8VS72R87WM/549	549300FEXEH083T35U29	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 [11] wrong esma code. not referenced.	test3@demo3.com
Ultimate Parent entity ID	Ultimate Parent entity email
5493003SZ08DW3R34S38	holder1@client.com
Ultimate Parent entity type	Trading Venue
NATIONAL ID	XMAT
	[13] invalid value
Position Type	Position Maturity
OPTIONS .	ALL OTHER MONTHS
Long Position Quantity	Delta Equivalent Long Position
852317	873795
Short Position Quantity	Delta Equivalent Short Position
198020	515436
Risk Reducing Indicator	Investment Firm Indicator
FALSE	FALSE
Free Text1	Free Text2
Smith	Henry
Free Text3	Free Text4
Gris	Audi
Free Text5	
Londres	

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

11.8 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:

11.9 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

-	DASHBOARD
₹	APA & ARM REPORTING
۳	APA PRE-TRADE
	OBOE TRADE
\bigotimes	COMMODITY REPORTING
	SLC MANAGER
S	OTC TRADE
	ORDER ID MANAGER
B	REPOSITORY
Ф	About
1	New submission

 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	МІС
	3	XMAT
CLEAR ITEMS	× RUI	N 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	CARCY
✓ FRENX0000815 (XMAT)	Classification Type:	FCAPSX
FRENX0000856 (XMAT)	Product Code:	ECO
FRENX0000914 (XMAT)	Symbol Index:	4226300016
FRENX0000922 (XMAT)	Underlying Product Code:	ECO
FRENX0000930 (XMAT)	Underlying Name:	Rapeseed / Colza
FRENX0001177 (XMAT)	Underlying Hame.	Rapeseou / Goiza
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	2
☑ 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.

12. OTC TRADE FACILITY

12.1 ADD A OTC TRADE FACILITY PROFILE

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

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

EURONEXT SATURN prod		F 🔚 PROFILES MANAGEMENT
NEW USER 🛃 NEW BU 🔮	PILTER I	dieblache 📦
T PARTICIPANTS Euronext NV (NXT00000)	12 C V X	

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	

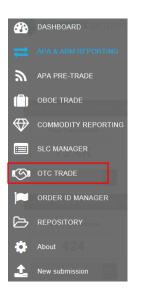
And then check the boxes related to OTC Cleared Facility

Dashboard ARM			
Upload ARM Trades		11.1	
Dashboard ARM Trades			
Dashboard Commodities		11.1	
Upload Commodities			
Orderld manager		11.1	
Upload Orderld			
OTC matching	~		
Upload OTC Matching	V		
Profile Management			
Referencial manager	10.00		

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

12.2 OTC CLEARED – EXAMPLE

• Go to OTC Trade in the Saturn main menu



Click on Insert OTC Transaction

EURON	IEXT SATURN peua					🔊 отс тғ	RADE
TRANSACTI	ONS					FILTER	:
STATUS \$	TRANSACTION REFERENCE NUMBER \$	TRADING DATE TIME 🗢	OWNERSHIP	SIDE 🖨	SECURITY ID	PRICE	
status 🕈	TRANSACTION REFERENCE NUMBER +	TRADING DATE TIME Ф 2018-07-18 14:08:39		SIDE ¢	SECURITY ID FR0000133308	PRICE 35.45	
							i i i i i i i i i i i i i i i i i i i
1	1531915597940000	2018-07-18 14:08:39	Ö	C	FR0000133308	35.45	EUR
(S) (S)	1631915597040000 991234699	2018-07-18 14:08:39 2018-03-19 11:22:22	Ö	G	FR0000133308 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**

LUKUNEX	T SATURN peua								ОТС 🕲	TRADE
									<u>å</u>	
NSACTIONS								FILTER		
STATUS 🕈 T	RANSACTION REFERENCE NUMBER \$	TRADING DATE TIME	OWNERSHIP	SIDE \$	SECURITY ID	PRICE	CURRENCY	QUANTITY	GUARANTEE FLAG	ENTERIN
status + t	RANSACTION REFERENCE NUMBER	TRADING DATE TIME + 2018-07-18 15:14:04	ownership	SIDE ÷	SECURITY ID FR0000133308	PRICE	CURRENCY	QUANTITY 94449	GUARANTEE FLAG Cleared and Guaranteed by a Clearing House	ENTERIN
() Transaction	1531919844142000 on reference number [1531919644	2018-07-18 15:14:04 4142000]			III DOWN DATE:	SHEEK.				ENTERIN
() Transaction	1531910844142000	2018-07-18 15:14:04 4142000]	OWNERSHIP	G	FR0000133308	14.2	EUR	94449	Cleared and Guaranteed by a Clearing House	ENTERIN
() Transaction	1531919844142000 On reference number [1531919644 ERINGCQUNTERPART][1015] Entering Counterpart sh	2018-07-18 15:14:04 4142000] IP ould be empty	OWNERSHIP O O O	0	FR0000133308 FR0000133308	14.2 35.45	EUR	94449	Disarted and Guaranteed by a Disarting House Disarted and Guaranteed by a Disarting House	ENTERIN

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

EURON	EXT SATURN peua									TRADE
									<u>.</u>	
RANSACTIO	ONS								FILTER	
STATUS 0	TRANSACTION REFERENCE NUMBER ©	TRADING DATE TIME	OWNERSHIP	SIDE 🕈	SECURITY ID	PRICE	CURRENCY	QUANTITY	GUARANTEE FLAG	ENTERIN
	TRANSACTION REFERENCE NUMBER	TRADING DATE TIME \$		side •	SECURITY ID PR0000133308	PRICE	CURRENCY	QUANTITY 94449	GUARANTEE FLAG: Cleared and Quaranteed by a Clearing House	ENTERIN
0										ENTERIN
9	1531919644142000	2018-07-18 16:02-63	0	Θ	FR0000133308	14.2	EUR	94449	Cleared and Guaranteed by a Clearing House	ENTERIN
9	1831919644142000	2018-07-18 18:02:83 2018-07-18 14:08:39	0	0	FR0000133308 FR0000133308	14.2 25.45	EUR	04440 04440	Cleared and Guaranteed by a Clearing House	ENTERIN

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

REVIEW LOG, DOCUMENT HISTORY, SIGN-OFF

REVIEW LOG

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

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 2.3 Password Policy The following sections have been updated: In 1.1 MiFID II Euronext Reporting Services : Added a reference on UK onshored regulation. In 1.2 Trade Publication and Transaction Reporting Functionalities : Added a reference on UK onshored regulation.
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 : Added a reference on UK 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.
5.351.0	28 Oct 2024	IT Market 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.
5.353.0	27 Dec 2024	IT Market Services – MME	 Added <u>Section 8. Published Messages</u>: addition of a new screen which displays the publication made by Saturn.
3.356.0	28 May 2025	IT Market Services – MME	 Added <u>Section 11.4 Creating a position</u>: added explanation on how to insert a new commodity position.