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INTRODUCTION

DOCUMENT PURPOSE

The purpose of this document is to inform clients about the agenda and activities that will take place during the two Dress Rehearsals organised in the context of the Borsa Italiana migration onto Optiq.

This document aims to provide guidance on prerequisites, timing, scope and a detailed schedule to the clients for them to prepare for the event.

TARGET AUDIENCE

The intended audience of this document is any client active on the Euronext and Borsa Italiana Markets (Trading Member Firm, ASP, ESP, ISV, Data Vendor) on the:

- Legacy Euronext markets: already connected to Optiq® and not connected to Borsa Italiana markets
- Italian markets: connected to Borsa Italiana markets and moving to Optiq®

DOCUMENT HISTORY

DOCUMENT VERSION	DATE	CHANGE DESCRIPTION
1.0	09 February 2024	First version for the Phase 3 migration
1.1	22 February 2024	BCS logon time & Closing Price
1.2	4 March 2024	Information on the Open Interest and Closing Price (Daily Settlement Price) dissemination

ASSOCIATED DOCUMENTS

The following are the associated documents, which should be read in conjunction with this document or which provide other relevant information for the user:

Document	Description
Migration Guidelines - Borsa Italiana Optiq Migration v5.2	Provides clients with information, milestones and timing regarding the migration strategy of the Borsa Italiana markets to Optiq so that they can prepare for a successful migration.
IDEM Product Codes Mapping v1	File describing the mapping of Product Codes between SOLA vs OPTIQ and also the Product Codes that are applicable on the Clearing System for the IDEM Market (Euronext Derivatives Milan).

Optiq OEG Service - Euronext Cash and Derivatives Markets - Interface Specification - External - v5.29.0	Provides an overview of all the IP addresses and connectivity details needed to connect to the Optiq Order Entry Gateway.
Optiq MDG Production Connectivity - Euronext Cash and Derivatives Markets - External - v5.28.0	Provides an overview of all the Multicast IP addresses and connectivity details needed to connect to the Optiq Market Data Gateway.
Euronext Optiq Market Data Gateway MDG Lite - Production Connectivity v1.4	Provides an overview of all the Multicast and TCP/IP addresses and connectivity details needed to connect to the Optiq MDG Lite.
Optiq OEG SBE Messages - Euronext Cash and Derivatives Markets - Interface Specification - External - v5.30.0	This document sets out the client messages specifications for Optiq OEG using the SBE format. More specifically, it describes the contents of administrative and application messages and provides detailed field descriptions.
Optiq OEG FIX 5.0 Messages - Euronext Cash and Derivatives Markets - Interface Specification - External - v5.30.0	This document sets out the client messages specifications for Optiq OEG using the FIX format. More specifically, it describes the contents of administrative and application messages and provides detailed field descriptions.
Optiq OEG MDG - Kinematics Specification - Euronext Derivatives Markets - External - v5.30.0	The purpose of this document is to describe Cash Market Kinematics for Optiq Order Entry Gateway (OEG) and Market Data Gateway (MDG).
Optiq Files - Euronext Cash and Derivatives Markets - Interface Specification - External - v5.29.0	The purpose of this document is to describe all the files required for Trading on Optiq platform.
Optiq MDG Messages - Interface Specification - Euronext Cash and Derivatives Markets - External - v5.29.0	This document describes the Optiq Market Data Gateway.
Common File Transfer System - Members User Guide - Euronext Cash and Derivatives Markets - External - v5.30.0	This document provides general technical information about Euronext Common File Transfer System Services (CFTS).

DEFINITIONS

External Dress Rehearsal or Customer Dress Rehearsal (CDR): real-condition tests that take place before the Go-Live weekend, for clients to validate their full readiness in the Production environment.

Roll-back: Data and applications are reverted back to the situation they were at on Friday evening, before each Dress Rehearsal

ESP: Extranet Service Provider; Service Provider providing infrastructure and/or hosting services to clients

ASP: Application Service Provider; Service Provider providing hosting services and/or applications to their clients

ISV: Independent Software Provider; Service Providers that provide trading and/or market data software to their clients

Data Vendor: Provider of Market Data to clients

SP: Service Provider

OEG: Order Entry Gateway

MDG: Market Data Gateway

TAL: Trading At Last

CMC: Client Managed Connectivity

EMC: Euronext Managed Connectivity

MTA: Euronext Milan

EGM: Euronext Growth Milan

GEM: Borsa Italiana Global Equity Market

MIV: Euronext MIV Milan

TAH: Trading After Hours

ETP: Exchange-Traded Products including ETFs, ETCs, ETNs

MOT: Italian Retail Bond Regulated Market (Fixed Income)

ExtraMOT: Italian Retail Bond MTF (Fixed Income)

SeDeX: Borsa Italiana W&C market

EuroTXL, Bond-X, Cert-X and TLX Equity: EuroTLX markets with its segments (Fixed Income, W&C, Equity)

IDEM: Euronext Derivatives Milan

TCS: Trade Confirmation System

CFTS: Common File Transfer System

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1 CUSTOMER DRESS REHEARSAL OVERVIEW

The objective of the Customer Dress Rehearsal is to simulate the migration of Borsa Italiana markets onto Euronext trading system, Optiq, and to validate that all services are fully operational and clients can trade and process data simultaneously on the Optiq platform.

Dress Rehearsals are **conducted in the Production environment** with clients and aim at:

- Testing new production set-up and network in the live environment (including physical connectivity);
- Validating clients' configuration (Logical Access set-up, LP config, etc.) and related accesses to services and applications;
- Executing a test under real conditions before the Go-Live;
- Validating that clients can operate the IDEM market hosted on the Optiq platform.

1.1 CRITICAL DATES

There are two Customer Dress Rehearsals:

- **1st CDR:** 24 February 2024
- **2nd CDR:** 9 March 2024

It is **mandatory** for trading members, ASPs and Data Vendors connected to Borsa Italiana markets to **participate in both Dress Rehearsals** (even if they already successfully participated to the first one).

Trading Members, ASPs and Data Vendors **shall also join the Saturday before the Go-Live** to perform a final check and **ensure their readiness for Monday's Go-Live** planned on 25 March 2024.

- **Go-Live Weekend:** 23 March 2024

ESPs and **ISVs** are expected to support their clients during the Customer Dress Rehearsals and Go-Live weekend.

Notes:

- Customer Dress Rehearsals take place on Saturdays to avoid impact on Production services. It supports technical and functional testing on the Production environment.
- Clients are invited to participate actively in the Saturday test by sending orders / quotes to enrich the orderbooks and execute trades.
- **At the end of the Dress Rehearsal, clients must roll back all data and applications to the situation they were at on the previous Friday evening (at the end of the Trading session).**

1.2 CONFIRMATION FORMS

It is mandatory for clients to:

- **Register for both Customer Dress Rehearsals, prior to the first CDR**
- **Confirm their successful participation after each of the CDRs** (within the day of the CDR)

For that purpose, it is **mandatory for clients to fill in the below webforms**:

Document type	Description	Link to the form	Last date for submitting by the clients
Registration to the Dress Rehearsal	Clients must register and indicate their participation for both Dress Rehearsals beforehand.	<u>Customer Dress Rehearsal Registration Form</u>	9 February 2024
Result form	After the dress rehearsals, clients need to confirm their successful participation.	<u>Results Form</u>	For CDR 1: post DR on 24 February 2024 For CDR 2: post DR on 9 March 2024

1.3 PRE-REQUISITES

Clients will be authorised to take part in the Dress Rehearsal weekend only if they have validated the following steps:

- ✓ **[Connectivity/Colocation]** Signed agreement and completed installation and tested configuration (Telnet)
- ✓ **[Order Entry Gateway testing in Next EUA]** Validated conformance test (full, partial or light) or self-certification as well as High Availability test (when applicable)
- ✓ **[Market Data Gateway]** Ordered Production Market Data channels and validated the reception of Production Market Data channels
- ✓ **[Legal documentation]** Executed Membership pack, Regulatory Reporting Solution Registration form, SPA, SPAA, EMDA and MM and LP application form (when applicable)
- ✓ **[Production Access]** Requested Production Logical Accesses (via Initial Set-up Form) and completed CFTS form
- ✓ **[CDR Registration]** Registered for both Dress Rehearsals via dedicated form
- ✓ **[DR Connectivity Testing] before the CDR, it is mandatory for clients to check TCP connectivity (Telnet) to DR IP (ports)**

1.4 DRESS REHEARSAL SUCCESS

Client success to the Dress Rehearsal shall be achieved by performing the following activities during the Dress Rehearsal:

- Logon using all of their **different Firm IDs**
- Connect from all of their **physical connection points**
- Logon to **all of the segments they are a member of**
- Logon using all of their **Logical Accesses**
- **Send orders and quotes** (quotes were applicable) **and execute trades** on all the segments they are a member of, with a special focus on the IDEM instruments
- Validate the **reception of Market Data messages**
- **Connect to the different applications** including CFTS, and validate the correct processing of data associated with all the applications
- Perform all the **required tests** according to the shared schedule
- Complete the **Results Form** after each Dress Rehearsal

1.5 COMMUNICATION DURING DRESS REHEARSALS

During the Dress Rehearsal, customer support will be provided via:

- **Market Status:**
Euronext will keep clients informed of all activities through the [Market Status Webpage: https://live.euronext.com/market-status](https://live.euronext.com/market-status).
All clients are advised to subscribe to the Market Status alerts, which can be done through My Subscriptions menu on the [Euronext customer connect web portal](#).
- **Customer Support:**
Support will be provided to clients by the Optiq Migration Team from 09:30 CET to 16:00 CET.
In case of any issues or questions related to the tests, customers may contact the Optiq Migration Team ahead of the tests and during the Migration weekend by email at optiqmigration@euronext.com and by phone at:
 - Italy +39 02 4541 1399
 - France +33 1 8514 8585
 - Belgium +32 2620 0585
 - Norway +31 20 721 9585
 - Portugal +351 2 1060 8585
 - Ireland +353 1 6174 289
 - UK +44 207 660 8585
 - Netherlands +31 20 721 9585

2 SCOPE OF THE TEST

The scope of the Dress Rehearsals is outlined below for each specific section.

2.1 ENVIRONMENT

During the Dress Rehearsals, only the **Production environment** is in scope.

2.2 MARKETS

During the Dress Rehearsals, **Technical** (connectivity, logon, etc.) and **Functional Testing** (e.g. testing the trading activity and market data reception) will be performed for the legacy Euronext Derivatives markets, including the Euronext Derivatives Milan (IDEM) market migrating to Optiq.

Clients can also validate Trading and Market Data Reception for the other Borsa Italiana Cash Markets that are already available on Optiq in order to simulate the set-up that will be in place at the Go-Live of Phase 3.

2.3 MARKETS IN SCOPE

The following markets will be part of the Dress Rehearsals:

	Optiq		
Euronext Markets	<ul style="list-style-type: none"> ✓ <u>Derivatives Markets (Financial Derivatives)</u> ✓ Equity Markets ✓ Funds Markets ✓ Fixed Income Markets ✓ Warrant & Certificates Markets 		
Borsa Italiana Markets	Phase 1 markets: <ul style="list-style-type: none"> ✓ MTA ✓ EGM ✓ GEM ✓ MIV ✓ ETF (ETF Plus) 	Phase 2 markets: <ul style="list-style-type: none"> ✓ MOT ✓ Euronext Access Milan ✓ Bond-X ✓ Sedex ✓ Cert-X ✓ Equity ETLX 	Phase 3 markets: <ul style="list-style-type: none"> ✓ <u>IDEM</u>

2.4 MARKETS OUT OF SCOPE

The following markets will **not** be part of the Dress Rehearsals on **Optiq**:

- Trading After Hours,
- Bourse De Luxembourg (BDL),

- TCS

–
Even though the BDL and the commodity (CMO segment) market will technically be available, Euronext will not open the instruments for trading on this market.

2.5 APPLICATIONS AND SERVICES

Please see below the applications and services that are **in scope** for the two Dress Rehearsals.

EURONEXT APPLICATION	SERVICES
Optiq	<ul style="list-style-type: none"> ▪ Order Entry Gateway (OEG) ▪ Market Data Gateway (MDG) ▪ Drop Copy
MDG Lite	<ul style="list-style-type: none"> ▪ MDG Lite Multicast ▪ MDG Unicast - the TCP compressed service
Common File Transfer System (CFTS)	<p>Referential Files, fully available for testing</p> <ul style="list-style-type: none"> ▪ Standing Data ▪ SBE templates ▪ Tick Sizes
BCS	<ul style="list-style-type: none"> ▪ Client can test the logon to BCS system over the new Source IPs

- The full list of functionalities that will be available during the Dress Rehearsals can also be found in the *Guide to Trading System* and the *Migration Guidelines*

To note:

During CDR 1 and CDR 2, Euronext OEG and MDG will be on the SBE template version 331. Clients can use any of the earlier versions of SBE as long as their application is backward/forward compatible in accordance with the [Euronext Compatibility Rules](#).

2.6 OUT OF SCOPE FOR THE DRESS REHEARSALS

The following elements are out of scope and will not be available during the Dress Rehearsals:

- **Post-trade systems & Front-To-Back testing:**
Clients should be advised that post-trade systems (*except for connectivity to BCS*) and front-to-back testing will not be available during the Customer Dress Rehearsals. **Clients need to connect to the Next EUA environment to test all their post-trade applications and validate their front-to-back systems** (with a strong point of attention related to the reconciliation key used for reconciliation process). Front-To-Back testing to be executed during normal trading days, not during the Customer Dress Rehearsals.

- **Disaster Recovery sites:**
Euronext will not activate the Euronext Disaster Recovery site. Clients must validate connectivity to the Euronext Disaster Recovery site by performing a Telnet test to the Destination IPs of the site, which can be executed 24 hours 7 days a week.
- **Euronext Saturn Application** (SLC, OBOE, ...)
- **MyEuronext portal services**, apart from CFTS service.
- **Index Calculation and Dissemination**, as well as the **Index Standing Data files:**
Client to note that no index standing data file will be available during the Dress Rehearsal
- **End of Day** (EOD) file order and trade files
- **All BITA applications & services** not mentioned above as part of the scope
- Inclusion and dissemination of the **IDEM Open Interest** in the Optiq Open Interest files on the Customer Dress Rehearsal.

3 TEST DETAILS FOR DRESS REHEARSALS

Below is a summary of the tests clients are expected to perform during the Dress Rehearsals.

1.1 LOGON FOR OEG

All Trading members are advised to perform:

- 1) A **logon from all the forecasted network sources** (i.e. Colocation, CMC, EMC, connectivity via a Service Provider) that may be used in Production;
- 2) A **successful logon with at least one Logical Access per segment** they trade on, although clients are requested to test using all of their Logical Accesses;
- 3) A **replication of the logon for all Member Codes / FIRM IDs** owned by the Trading Members

Important note for Liquidity Providers: LPs should actively test and send quotes on the IDEM markets during the Dress Rehearsal in order to make instruments tradable.

Optiq OEG IP-Filtering security

The **Optiq OEG IP-Filtering** security will be put in place during the CDR as this is already the case during trading on normal Trading Day.

Only source IPs already registered for dedicated Firm IDs (Logical Access) will be allowed to receive a logon acknowledgement.

!/! Clients who are not yet connected to Optiq should be aware that **this security will be applicable on the Go-Live** planned for 25 March 2024.

Euronext is following the below principles to ensure clients are properly enabled on Optiq:

For clients **not impacted** by an infrastructure change

- Euronext has replicated the source IPs set-up from the Borsa Italiana markets onto Optiq.

For clients **impacted by an infrastructure** change

- For Direct clients: IPs are directly assigned and registered by Euronext.
 - For Indirect clients (clients behind Service Providers):
 - 1 IPs are assigned by the Service Provider according to the range assigned to the Service Provider by Euronext.
 - 2 Then, IPs are registered by Euronext upon request from the Service Providers.
- ⇒ Clients are requested to verify that all their source IPs are properly set up either with Euronext directly or with their Service Provider.
- ⇒

Prior to the Dress Rehearsal, clients are requested to test the logon on the Next EUA environment, as Optiq OEG IP-Filtering is already in place on this environment.

In case of any issues related to Logon, clients are advised to contact the Optiq Migration Team before the Dress Rehearsal in order for it to be fixed for the Customer Dress Rehearsal.

In addition, Euronext can provide clients with the list of source IPs that are already registered. Such list can be obtained upon request to cas@euronext.com (the request must include Firm ID).

1.2 FUNCTIONAL OEG

During the Customer Dress Rehearsals, it is requested that Trading Members simulate their trading behaviour like during a normal trading day. **Clients should send orders and execute trades on all markets they are connected to, with a special focus and attention on the Euronext Derivatives Milan instruments** that will be migrating on Optiq with phase 3.

1.3 FUNCTIONAL MDG

Trading Members are requested to validate **the Market Data messages received**. The Market Data messages received could be both technical and functional. Clients should be aware that functional messages, this includes standing data, real-time feeds and snapshot messages, will be disseminated when clients send orders to the market. During the Customer Dress Rehearsal, Clients without trading access can only validate the proper reception of Market Data.

1.4 WEB APPLICATIONS

Trading members are requested to validate their connectivity to the web application (CFTS). **If a given member is using different connectivity set-ups, clients should test with all its possible connectivity combinations.**

1.5 LOGON TO BCS

Both General Clearing Members and Trading Members that have a connection to the BCS system in place are requested to perform a Logon to BCS over the new Production Source IP during the CDR.

Environment	Server	IP Address
Production	Server 01	212.107.67.4
	Server 02	212.107.67.5

Only logon will be available, any trade executed during the Customer Dress Rehearsal will not be transferred to BCS. It will be possible to log in to the BCS Production **from 9:30 to 15:00 CET**.

4 SCHEDULE

Please see below the detailed schedule for the two Dress Rehearsals.

For information, in case of any changes to the scheduled activities on Dress Rehearsal day, Euronext will keep clients informed through the Market Status

Webpage: <https://live.euronext.com/market-status>

TIME CET	DESCRIPTION OF SCHEDULE ON OPTIQ	DER	CASH
09:00	<p>Start of Optiq, client’s connection and referential files</p> <p>Starting of Optiq by Euronext. Clients will be informed via Market status when all segments are up. Clients can start connected to Optiq in Production environment.</p> <ul style="list-style-type: none"> Referential File publication on CFTS: Euronext will publish all Referential files on CFTS. The complete list of files is provided in paragraph 5. Clients should download and integrate the referential files. 		
	<p>Notes:</p> <ul style="list-style-type: none"> The Index file (OptiqMDG_PROD_CashStandingDataFile_Indices_yyyymmdd.xml) will not be published as index calculation is out of scope. When downloading the Standing Data clients should target the date of next Monday as this date will be part of the filename. Closing prices available during the CDR will reflect the last closing prices coming from SOLA Platform on Thursday, 7 March 2024, at the closure. The time schedule described below will be applied to all trading groups, including those that in production have a single uncrossing pattern or a different sequencing of phases (Cash only). 		
09:30	<p>Optiq up & running</p> <ul style="list-style-type: none"> At this time, clients to be connected and have validated their Logical Access(es) to Optiq in the Production environment hosted in the Aruba Data Centre in Bergamo, Italy. 		
	<p>Note: As a reminder, clients should perform functional testing from all the forecasted network sources (i.e. Colocation, CMC, EMC, connectivity via a Service Provider) that may be used in Production.</p> <p>Clients can also test the Logon to the BCS Production from 9:30 to 15:00 CET.</p>		
10:00	<p>Standing Data Broadcast over MDG</p> <p>Publication of Market data referential messages over the Euronext Market Data Gateway (MDG).</p> <ul style="list-style-type: none"> Clients to validate the reception of standing data over the Market Data Gateway. 	✓	✓
10:30	<p>Call Phase on Euronext Derivatives & Cash Markets</p> <ul style="list-style-type: none"> Clients to send orders to the Optiq trading platform. For all Euronext Markets (including all Borsa Italiana Markets) the Call Phase will be triggered. 	✓	✓
11:00	<p>Uncrossing & Continuous trading on Euronext Derivatives & Cash Markets</p> <ul style="list-style-type: none"> Clients to trade on all Euronext Markets including the IDEM market migrating onto Optiq. 	✓	✓
15:15	<p>Call Phase (Closing) – Euronext Cash Markets</p> <p>Clients to send orders for the Trading At Last (TAL) phase to the Optiq trading platform.</p> <p>Note: Derivatives Market will remain in continuous trading.</p>		✓

15:20	<p>Closing Uncrossing – Euronext Cash Markets</p> <p>Continuous trading of the TAL and Random Uncrossing trading phase.</p> <p>Note: Derivatives Market will remain in continuous trading.</p>		✓
15:25	<p>Closed Phase on Euronext Cash Markets</p> <p>Closing of the normal trading session.</p> <ul style="list-style-type: none"> ▪ Clients to validate the successful closing of the continuous trading session. 		✓
15:30	<p>Closed Phase on Euronext Derivatives & Cash Markets</p> <p>Closing of the normal trading session.</p> <ul style="list-style-type: none"> ▪ Euronext will disseminate the Daily Settlement Prices for Derivatives Markets. Client should note that the settlement prices for Derivatives might not be in line with Production. The prices are disseminated to validate the reception of them by clients. 	✓	✓
15:45	<p>Dress Rehearsal Client Feedback</p> <ul style="list-style-type: none"> ▪ Clients to confirm the CDR Test results by filling in the Results webform for Production 		
15:45	<p>End of Customer Dress Rehearsal Test</p> <p>Euronext will stop Optiq and all applications hosted in the Aruba Data Centre in Bergamo, Italy.</p> <ul style="list-style-type: none"> ▪ Clients can disconnect from all Euronext applications. 	✓	✓
	<p>Note: It is mandatory that clients roll back their internal systems to be ready for the Trading Session on the following Monday morning.</p>	✓	✓

5 IMPORTANT INFORMATION

Clients are advised to keep the below reminders in mind before, during and after the Dress Rehearsal.

3.1 REFERENCE DATA PRICES, INSTRUMENTS AVAILABILITY AND ORDER INJECTION DURING CDR

Instruments available in Production

- All instruments currently tradable on Borsa Italiana (Milan) IDEM Markets are technically created in the Optiq Production environment and will be available for testing during the Customer Dress Rehearsals.
- The full list of instruments available in Production can be retrieved from the Standing Data Files and is being updated the day before the CDR with latest adjustments.

Order Injection on instruments during CDR

- During the CDRs, Euronext will inject a limited amount of orders on some specific instruments upon client's request if they would like to see their orders being executed. In order to do so, clients must send an email to optiqmigration@euronext.com with the details of the instrument, quantity and price for which they would like to see some order injection.

Reference Data Price & Closing Price (Daily Settlement Price - DSP)

- Closing prices available during the CDR will reflect the last closing prices coming from SOLA Platform on Thursday, 7 March 2024, at the closure.
- Euronext will disseminate the closing price for Derivatives Market on 9 March 2024, however client should note that the prices might not be aligned with the trades and best bid / best offer published during the test or production prices of Thursday 7 and Friday 8 March 2024 in Production.

3.2 TRADING DATA REFERENTIAL FILES

Please see below the complete list of the referential files that will be available during the Customer Dress Rehearsals on CFTS for the **Optiq Trading Platform**.

Although the test will be executed on a Saturday, clients should be aware that the date on the filename will reflect the date of Monday, so for example the Block standing data file will be named: OptiqMDG_Production _ DerivativesStandingDataFile_ IndexDerivatives _20240311.xml.

This logic is true for all files that are published for the Customer Dress Rehearsal. This will help retrieve the files quicker.

The Referential Files are located in the following folders:

Block:

- OptiqMDG_Production_CashStandingDataFile_Block_yyyymmdd.xml
- OptiqMDG_Production_TimeTableFile_Block_yyyymmdd.xml
- OptiqMDG_Production_AuthorizedPriceFluctuationFile_Block_yyyymmdd.xml
- OptiqMDG_Production_SBETemplate_Block_yyyymmdd.xml

Current:

- OptiqMDG_Production_MemberMappingFile_ALL_yyyymmdd.xml
- OptiqMDG_Production_CashTickSizeReferentialFile_ALL_yyyymmdd.xml
- OptiqMDG_Production_RepoSettlementPriceFile_ALL_yyyymmdd.xml

Equities:

- OptiqMDG_Production_CashStandingDataFile_Equities_yyyymmdd.xml
- OptiqMDG_Production_AuthorizedPriceFluctuationFile_Equities_yyyymmdd.xml
- OptiqMDG_Production_TimeTableFile_Equities_yyyymmdd.xml
- OptiqMDG_Production_PrevDayCapAndVolTradFile_yyyymmdd.xml

FixedIncome:

- OptiqMDG_Production_CashStandingDataFile_FixedIncome_yyyymmdd.xml
- OptiqMDG_Production_AuthorizedPriceFluctuationFile_FixedIncome_yyyymmdd.xml
- OptiqMDG_Production_TimeTableFile_FixedIncome_yyyymmdd.xml
- OptiqMDG_Production_PrevDayCapAndVolTradFile_FixedIncome_yyyymmdd.xml

Funds:

- OptiqMDG_Production_CashStandingDataFile_Funds_yyyymmdd.xml
- OptiqMDG_Production_AuthorizedPriceFluctuationFile_Funds_yyyymmdd.xml
- OptiqMDG_Production_PrevDayCapAndVolTradFile_Funds_yyyymmdd.xml
- OptiqMDG_Production_TimeTableFile_Funds_yyyymmdd.xml

Warrants And Certificates:

- OptiqMDG_Production_CashStandingDataFile_WarrantsAndCertificates_yyyymmdd.xml
- OptiqMDG_Production_AuthorizedPriceFluctuationFile_WarrantsAndCertificates_yyyymmdd.xml
- OptiqMDG_Production_TimeTableFile_WarrantsAndCertificates_yyyymmdd.xml
- OptiqMDG_Production_PrevDayCapAndVolTradFile_WarrantsAndCertificates_yyyymmdd.xml

Commodities:

- OptiqMDG_Production_DerivativesStandingDataFile_Commodities_yyyymmdd.xml
- OptiqMDG_Production_CashTickSizeReferentialFile_Commodities_yyyymmdd.xml
- OptiqMDG_Production_DerivativesTickSizeFile_Commodities_yyyymmdd.xml
- OptiqMDG_Production_OpenInterestFile_Commodities_yyyymmdd.xml
- OptiqMDG_Production_TimeTableFile_Commodities_yyyymmdd.xml
- OptiqMDG_Production_ReferenceSpreadsFile_Commodities_yyyymmdd.xml

Equity Derivatives:

- OptiqMDG_Production_DerivativesStandingDataFile_EquityDerivatives_yyyymmdd.xml
- OptiqMDG_Production_CashTickSizeReferentialFile_EquityDerivatives_yyyymmdd.xml
- OptiqMDG_Production_DerivativesTickSizeFile_EquityDerivatives_yyyymmdd.xml
- OptiqMDG_Production_OpenInterestFile_EquityDerivatives_yyyymmdd.xml
- OptiqMDG_Production_TimeTableFile_EquityDerivatives_yyyymmdd.xml
- OptiqMDG_Production_ReferenceSpreadsFile_EquityDerivatives_yyyymmdd.xml

Index Derivatives:

- OptiqMDG_Production_DerivativesStandingDataFile_IndexDerivatives_yyyymmdd.xml
- OptiqMDG_Production_CashTickSizeReferentialFile_IndexDerivatives_yyyymmdd.xml
- OptiqMDG_Production_DerivativesTickSizeFile_IndexDerivatives_yyyymmdd.xml
- OptiqMDG_Production_OpenInterestFile_IndexDerivatives_yyyymmdd.xml
- OptiqMDG_Production_TimeTableFile_IndexDerivatives_yyyymmdd.xml
- OptiqMDG_Production_ReferenceSpreadsFile_IndexDerivatives_yyyymmdd.xml

3.3 ROLL-BACK OF CLIENT APPLICATIONS

After the Customer Dress Rehearsal test, clients must restore/roll back their internal Production systems to reflect the conditions of Friday evening (day before the Customer Dress Rehearsal), including all corporate events.

It is important that clients do not synchronise their order book with data from the CDR day.

Clients are responsible for purging all market data and order entry data sent and received during the Saturday Dress Rehearsal test. All client applications should be reverted back to be able to trade on the following Monday morning and ensure their readiness for the next trading day following any Saturday test.

6 APPENDIX

Please see below the technical details needed to connect to the Optiq Trading Platform.

Order Entry Gateway Production Environment

Optiq Segment Name	Partition ID	IP of Individual Partition
Equities	10	212.107.95.2
	11	212.107.95.5
	12	212.107.95.8
	13	212.107.95.11
Funds (ETFs)	20	212.107.95.14
Fixed Income (Bonds)	30	212.107.95.20
Warrants and Certificates	40	212.107.95.23
	41	212.107.95.47
Block	140	212.107.95.60
Commodities	80	212.107.95.29
Equity Derivatives	120	212.107.95.38
	121	212.107.95.41
	122	212.107.95.35
Index Derivatives	110	212.107.95.32

Please review the [Optiq OEG Service - Euronext Cash and Derivatives Markets - Interface Specification - External - v5.29.0](#) for details on the Unicast IP addresses.

Market Data Gateway Production Environment

	FEED A	FEED B
Rendez-vous Point (RP) for Colocation	212.107.67.240	212.107.67.241
Rendez-vous Point (RP) for CMC	212.107.67.248	212.107.67.249
Primary IP Address	212.107.93.0/24	212.107.94.0/24
Secondary IP Address	212.107.93.0/24	212.107.94.0/24
Channel ID 1(n)xxx Real-Time	224.0.208.0/24	224.0.209.0/24
Channel ID 2(n)xxx Snapshot	224.0.210.0/24	224.0.211.0/24

Please review the [Optiq MDG Production Connectivity - Euronext Cash and Derivatives Markets - External - v5.28.0](#) for details on the Multicast IP addresses.

Euronext Applications Production environment

	IP address	DNS
CFTS on Euronext network (connection via Colocation or CMC network)	212.107.67.2	cftsoptiq-prod.euronext.com
CFTS SFTP Internet Access	Cloud IP addresses are dynamic	sftp.cfts.prodnr.euronext.cloud
CFTS API Internet Access	Cloud IP addresses are dynamic	api.cfts.prodnr.euronext.cloud

Euronext BCS Production environment

Server	IP Address
Server 01	212.107.67.4
Server 02	212.107.67.5

7 CONTACTS

Find below the contact details of Euronext’s and partner support teams:

Team	Contact details
<p>Optiq Migration Team Clients’ first point of contact during the Customer Dress Rehearsals. Technical & functional assistance with testing on Optiq. Assistance with conformance tests, timeline and customer readiness checklist.</p>	<ul style="list-style-type: none"> ■ Italy +39 02 4541 1399 ■ France +33 1 8514 8585 ■ Belgium +32 2620 0585 ■ Norway +31 20 721 9585 ■ Portugal +351 2 1060 8585
<p>Connectivity Clients’ point of contact for connectivity matters related to the Borsa Italiana migration onto Optiq.</p>	<ul style="list-style-type: none"> ■ Ireland +353 1 6174 289 ■ UK +44 207 660 8585 ■ Netherlands +31 20 721 9585 ■ Email: Optiqmigration@euronext.com
<p>Membership Market participants’ point of contact for the membership contracts and any relevant update to the membership requirements (i.e., update contacts or membership declarations)</p>	<ul style="list-style-type: none"> ■ Tel: +39 02 72426964 ■ Borsa Italiana Email: BIIt-Membership@euronext.com ■ Euronext Email: EuronextMembership@euronext.com
<p>Market Access Support for market participants’ access and connections to Euronext markets, including Logical Accesses on Optiq (i.e. access and log-in credentials to Optiq OEG).</p>	<ul style="list-style-type: none"> ■ Email: market-access@euronext.com