

Document title

**EURONEXT OPTIQ PHASE 3: DRESS REHEARSAL FOR THE DERIVATIVES
MARKET DATA SEGMENTATION CHANGE ON 27 APRIL 2019**

Document type or subject

Dress Rehearsal Guidelines

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Author

Euronext

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EXECUTIVE SUMMARY

Customers are invited to test the Euronext Optiq® Phase 3 Market Data segmentation on All Derivatives Market segments during the Dress Rehearsal organised in the Production environment on **Saturday 27 April 2019**, between 13:00 and 16:00 Central European Summer Time (CEST).

This Dress Rehearsal will allow customers to test the target Production implementation of the Derivatives Market Data segmentation ahead of the implementation on **Monday 29 April 2019**, subject to final approval.

All Production customers will be authorised to take part in the Dress Rehearsal week-end.

Markets will close on the evening of Friday 26 April 2019 and open on Monday 29 April 2019 as usual, without taking the activity of Saturday 27 April 2019 into account.

Customers are responsible for purging all market data received during any Saturday test.

PREFACE

PURPOSE

The purpose of this document is to provide customers with a detailed description of the Euronext Optiq Dress Rehearsal on Saturday 27 April 2019, for the MDG Derivatives Segmentation change.

ASSOCIATED DOCUMENTS

This document should be read in conjunction with the following documents.

TITLE	DESCRIPTION
Optiq MDG Client Specifications – v1.6.0	Optiq MDG message specifications
Euronext Derivatives Markets – Optiq File Specifications – v2.4.0	Specifications of files used in Optiq
Euronext Derivatives Markets – TRF Conversion Parameters Files Specifications - v1.6	Specification of TRF files used for the Derivatives markets
Change Summary: MDG Derivatives Segmentation Change v2	Summary of all changes for the implementation of the MDG Derivatives segmentation change.
Euronext Optiq Market Data Gateway Feed Configuration External User acceptance Environment v2.0	MDG Channel configuration for the External User Acceptance (EUA) Environment
Euronext Optiq Market Data Gateway Feed Configuration Production Environment v2.1	MDG Channel configuration for the Production Environment

DOCUMENT HISTORY

The following table provides a description of all changes to this document.

VERSION NO.	DATE	CHANGE DESCRIPTION
1.0	April 2019	First Version of Dress Rehearsal Guidelines for Euronext Optiq® Phase 3: Preparation phase of the Derivatives Market Data segmentation Go Live in Production

Further Information

- For additional product information please visit: www.euronext.com/optiq
- For Optiq documentation please visit: [Optiq documentation page](#)

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1. DRESS REHEARSAL OVERVIEW

1.1 SUMMARY OF TESTS

Customers are expected to conduct the following tests:

- Secure network resources on the day of the Dress Rehearsal to validate firewall / security path
- Connect to the Production environment
- For the Real-time MDG messages and feeds:
 - Confirm successful incorporation of the new SBE template 7, which is not backward compatible
 - Validate correct configuration of Market Data channels with new segmentation
- For the Files and EFS
 - Connect to EFS and obtain files from the new segment folders and file names
 - Validate processing of the modified files from the EFS
- Incorporate the updated Standing data messages
- Incorporate the new Technical Notification (1106) message(s) sent in case of High Availability (HA) event.

1.2 PRE-REQUISITES FOR TAKING PART IN THE DRESS REHEARSAL

It is mandatory for any customer expected to take part in the Dress Rehearsal week-end,

- to be already an active Production member on Derivatives,
- have completed development, configuration changes, and testing of the MDG Derivative segmentation changes in EUA

Customers must have a Euronext File Services (EFS) account to access the Production Optiq Euronext File Services. Customers can request their account by contacting:

Customer Access Services (CAS)

- Phone: +33 1 85 148 589
- Email: cas@euronext.com

1.3 TRADING DATE DETAILS

The trading date used for the purposes of the test will be Saturday 27 April 2019. The order book situations will be those of Monday 29 April 2019 before the start of the pre-opening session, i.e. after the corporate events of the evening of Friday 26 April 2019, including:

- For all Derivatives segments that are open: orders may be present in the book

MDG Standing data files for Derivatives markets will be made available on Saturday 27 April 2019 with the business date of Monday 29 April 2019. Please make sure you do not have any security in place that would prevent to process them.

1.4 ACCESS TO SERVICES & APPLICATIONS

Euronext services and applications will be set up for the rehearsal as follows:

- MDG Phase 3 preparation with new Market Data segmentation for All Derivatives Market Segments.

1.5 MAIN PRINCIPLES OF THE TEST

The Dress Rehearsal will run **between 13:00 and 16:00 CEST**.

During the rehearsal Euronext will communicate on the steps of the Dress Rehearsal via the [Market Status webpage](#).

Upon confirmation of start of tests customers should be able to connect to EFS (Euronext File Server) to retrieve the relevant files for the market segments below:

- Equity Derivatives
- Index Derivatives
- Financial Derivatives
- Commodities

The sequence of steps for the dress rehearsal will be as follows:

- Market data will be broadcast, according to the start of day sequence
- Standing data messages will be transmitted during the test window
- Contracts on the new segments will be changed to pre-open status, to send out the associated status change messages
- High Availability failovers of MDG will be done for each segment, with approximately 15 to 30 minutes in between each failover

During the test period clients should perform the following tests:

- Connect to the Production environment, test and validate the Optiq Phase 3: Market Data segmentation on All Derivatives Market Segments.
- Check the new Market Data segmentation broadcast (including new multicast channels) by connecting their application/feed handler to Real time and Snapshot.
- Verify the publication of market data through the expected MDG channels.

Important note

The MDG SBE Template with schema version number 7 will be used. Clients are advised to ensure that their applications are able to manage versions of SBE version 7 for any of the Derivative segment.

This SBE template version is not backward compatible, and clients must upgrade to this version in order to process MDG messages during the Dress rehearsal, and following this in Production.

Before 13:00 CEST, Euronext may conduct further internal tests. Customers are requested to ignore any data received before the Dress Rehearsal tests.

For the full dress rehearsal schedule, please see Section 3 (DRESS REHEARSAL TEST SCHEDULE).

1.6 OUT OF SCOPE

The following services / markets are out of scope for this dress rehearsal:

- Order Entry (Cash & Derivatives)
- Tests with LCH
- End of day files
- Cash market (including Delta Neutral)
- TCS
- Saturn
- RiskGuard
- Drop Copy

2. CUSTOMER SUPPORT

On Saturday 27 April customer support will be provided by Euronext Market Services (EMS) and Optiq Support Desk from 13:00 to 16:00 CEST.

Customers who experience any issues during the Dress Rehearsal are invited to contact using the below contact details:

Euronext Market Services

- Tel: +33 1 85 14 85 85

Optiq Support Desk

- Email: optiq@euronext.com

Real-time events will be posted on the Market Status website during the Dress Rehearsal at: www.euronext.com/market-status

3. DRESS REHEARSAL TEST SCHEDULE

Note: All timings are approximate and are stated in CEST

Timeline	Action	Cash	Derivatives
13:00	<ul style="list-style-type: none"> Beginning of the test Participants are invited to check the status and timeline on the Market Status web page 	No	✓
13:15	<ul style="list-style-type: none"> Referential Files are made available: New Derivatives Standing Data File will be provided on the Euronext File Server for EquityDerivatives, IndexDerivatives, FinancialDerivatives and Commodities Segments. All Cash Standing Data Files will remain as today, with no change to the format (Indices, Fixed income, Indices and TCS will not be made available) New MDG SBE template file for each individual Derivative segment listed above will be provided on Euronext File Server (version 7). MDG SBE template version 7 is not backward / forward compatible. Market Data: Optiq MDG Derivatives Technical “Start Of Day” messages should be broadcasted over Derivatives MDG Production multicast channels 	No	✓
13:30	<ul style="list-style-type: none"> Euronext Optiq MDG Derivatives real-time Standing Data messages will be provided over MDG Production multicast channels 	No	✓
13:45	<ul style="list-style-type: none"> Euronext Optiq MDG Derivatives real-time MarketUpdate, MarketStatusChange, TechnicalNotification, Price Update, OrderUpdate messages will be provided over MDG Production multicast channels 	No	✓
14:00	<ul style="list-style-type: none"> Pre-Open Session for the Derivatives segments available. 	No	✓
14:15	<ul style="list-style-type: none"> HA (High Availability) test on Commodities segment broadcast of TechnicalNotification, MarketUpdate, PriceUpdate 	No	✓
14:45	<ul style="list-style-type: none"> HA test on EquityDerivatives segment broadcast of TechnicalNotification, MarketUpdate, PriceUpdate 	No	✓
15:00	<ul style="list-style-type: none"> HA test on FinancialDerivatives segment broadcast of TechnicalNotification, MarketUpdate, PriceUpdate 	No	✓
15:30	<ul style="list-style-type: none"> HA test on IndexDerivatives segment broadcast of TechnicalNotification, MarketUpdate, PriceUpdate messages. 	No	✓

Timeline	Action	Cash	Derivatives
16:00	<ul style="list-style-type: none"> End of customer tests Customers can disconnect from Euronext central systems A Market Status message will be sent to confirm the end of the Dress Rehearsal 	No	✓
16:00 - 17:00	<ul style="list-style-type: none"> Euronext may conduct internal tests. 	No	✓

3.1 IMPORTANT REMINDERS

During the test, Euronext will not be able to broadcast the real-time Derivatives Standing data messages over Optiq Market Data twice. Customers who have missed the broadcast of the referential data are requested to use the Optiq Derivatives Standing Data files made available on EFS.

Customers who have missed previous Rehearsal date(s) will be able to test MDG segmentation changes to Production on this migration week-end.

Euronext will not consider any requests or potential customer issues encountered on the day of the Production migration if the customer has not taken part in the prior rehearsal tests or EUA validation.

3.2 ROLL-BACK FOR CUSTOMER INTERNAL SYSTEMS

Upon completion of the Dress Rehearsal, customers must restore/rollback the order book data in their internal Production systems to the state of Friday 26 April 2019 evening after the end of the trading session. It is very important that customers do NOT synchronise their order book with the data from the **tests** performed on Saturday 27 April 2019.

The Saturday 27 April 2019 session will not be taken into account in the Live/Production environment which will start on Monday 29 April 2019 as usual. Customers are requested to ensure their readiness for the next trading day's activities following any Saturday test.

The SBE template version 7 is not backward compatible, and customers must ensure to have it loaded into their systems for use on Monday 29 April 2019, subject to final approval.

Customers are responsible for purging all market data and order entry data sent and received during any Saturday test.