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OPTIQ DERIVATIVES FRONT TO BACK CONFORMANCE: SBE AND FIX TEST SCRIPT

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PREFACE

PURPOSE

The purpose of this document is to provide members with the Optiq Order Entry Front-to-Back Conformance script that includes scenarios and detailed tests for various clearing instructions that are to be performed in preparation for the migration to Optiq of the Euronext Derivatives markets.

TARGET AUDIENCE

This document is relevant to Trading Members that will need to perform the mandatory Front-to-Back conformance tests for the migration of the Euronext Derivatives markets to Optiq.

For this Front-to-Back conformance test Trading Members may require the support of:

- Technology providers (Independent Software Vendors and Application Service Providers ASPs);
- Clearing member / partner.

WHAT'S NEW?

The following lists only the most recent modification made to this revision/version. For the Document History table, see the [Appendix](#).

REVISION NO./ VERSION NO.	DATE	AUTHOR	CHANGE DESCRIPTION
1.0	12 Sep 2019	Euronext	First version
1.1	15 Oct 2019	Euronext	Update version containing Quote specificities for SBE protocol (using MM Sign In [47])

ASSOCIATED DOCUMENTS

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

- Technical specifications (Phase 3: Cash OEG / ME & MDG)
 - Euronext Derivatives Markets – Optiq Kinematics Specifications
 - Euronext Markets – Optiq OEG Client Specifications – SBE Interface
 - Euronext Markets – Optiq OEG Client Specifications – FIX 5.0 Interface
 - Migration Guidelines (Optiq Phase 3)

- Euronext Derivatives – How the Market Works

CONTACT

Please find below the Optiq Support Desk contact details, which has been established to ensure member readiness by:

- sending information to members related to Optiq
- answering members' questions related to Optiq
- assisting members in their testing and validation on the EUA environment
- providing follow-up on member conformance testing
- assessing members' state of readiness with regards to technical changes

Optiq Support Desk

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SCOPE OF MESSAGES AND FUNCTIONALITIES

The following table describes each Optiq Segment tag. Each tag will then be used for each message to specify which Optiq Segment this message applies to.

Optiq Segment	Tag
Equity Derivatives	EQD
Index Derivatives	IDD
Financial Derivatives	FID
Commodities	CMO

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1. SUBMISSION OF APPLICATION MESSAGES (CONFORMANCE)

ELIGIBLE SBE MESSAGES	New Order (01) Cancel Replace (06) New Wholesale Order (64) Cross Order (67) MM Sign In (47) for Quotes (08) clearing instructions management
ELIGIBLE FIX MESSAGES	NewOrderSingle (D) NewWholesaleOrder (U64) OrderCancelReplaceRequest (G) CrossOrder (U67) MassQuote (i)

1.1 TRADE INTEGRATION WITH SIMPLE POSTING

Any of the tests cases defined below will require for the member to generate a trade. Then the member have to submit two orders, at a defined tradable price to generate a trade.

The member can choose buy or sell or both to populated the expected clearing instructions.

Any order well populated on clearing instructions, but not fill will not provide any success with regards the front to back testing expected by this conformance.

1.1.1 POSTING IN OPENING

Trade creation with posting in opening mode.

Instruction for SBE:

The member submits a valid and correctly formatted **New Order** (01) message with:

Posting action set to 0 for one leg [0 means **Posting in opening**].

Clearing Instruction set to 0 [0 means Process normally (formerly Systematic posting)]

Clearing Firm ID not set

Account Number not set

Long Client ID set starting by "Case:1.1.1" (Optional but can allow better member support by Euronext)

In a selected instrument for trade execution (to be reported to the CCP).

Instruction for FIX:

The member submits a valid and correctly formatted **NewOrderSingle** (D) message with

PostingAction (7443) set to 0 for one leg [0 means **Posting in opening**].

ClearingInstruction (577) set to 0 [0 means Process normally (formerly Systematic posting)]

Long Client ID (21804)) set starting by “Case:1.1.1” (Optional but can allow better member support by Euronext)

In a selected instrument for trade execution (to be reported to the CCP).

Success Criteria: Once order is matched, the member confirms the receipt in the clearing solution and correct interpretation of the posting creation in opening for the trade fill reported to CCP and clearing partner.

1.1.2 POSTING IN CLOSING

Trade creation with posting info in closing mode.

Instruction for SBE:

The member submits a valid and correctly formatted **New Order** (01) message with

Posting action set to 1 for one leg [1 means **Posting in closing**]

Clearing Instruction set to 0 [0 means Process normally (formerly Systematic posting)]

Clearing Firm ID not set

Account Number not set

Long Client ID set starting by “Case:1.1.2” (Optional but can allow better member support by Euronext)

In a selected instrument for trade execution (to be reported to the CCP).

Instruction for FIX:

The member submits a valid and correctly formatted **NewOrderSingle** (D) message with

PostingAction (7443) set to 1 for one leg [1 means **Posting in closing**].

ClearingInstruction (577) set to 0 [0 means Process normally (formerly Systematic posting)]

Long Client ID (21804)) set starting by “Case:1.1.2” (Optional but can allow better member support by Euronext)

In a selected instrument for trade execution (to be reported to the CCP).

Success Criteria: Once order is matched, the member confirms the receipt in the clearing solution, and correct interpretation of the posting creation in closing for the trade fill reported to CCP and clearing partner.

1.1.3 POSTING USING POSTING ORDER NUMBER

Trade creation with posting info in opening or closing mode with Long Client ID / Posting Order Number (data provided from the trading station free text).

Instruction for SBE:

The member submits a valid and correctly formatted **New Order** (01) message with Posting action set to 0 or 1 for one leg [0 means Posting in opening, 1 means Posting in closing].
Clearing Instruction set to 0 [0 means Process normally (formerly Systematic posting)]
Clearing Firm ID not set
Account Number not set
Long Client ID set using the maximum of length's field starting by "Case:1.1.3" (Optional but can allow better member support by Euronext)

In a selected instrument for trade execution (to be reported to the CCP).

Instruction for FIX:

The member submits a valid and correctly formatted **NewOrderSingle** (D) message with PostingAction (7443) set to 0 or 1 for one leg [0 means Posting in opening , 1 means Posting in closing].
ClearingInstruction (577) set to 0 [0 means Process normally (formerly Systematic posting)]
LongClientID (21804) set using the maximum of length's field starting by "Case:1.1.3" (Optional but can allow better member support by Euronext)

In a selected instrument for trade execution (to be reported to the CCP).

Success Criteria: Once order is matched, the member confirms the receipt in the clearing solution. The member also confirm the correct interpretation of the posting and the population of the order number to the clearing partner

1.1.4 POSTING USING THE MAILING COMMENT

Trade creation with posting info set up to O or C (opening or closing) mode with Memos/mailing connect filled with data (data provided from the trading station free text).

Instruction for SBE:

The member submits a valid and correctly formatted **New Order** (01) message with Posting action set to 1 for one leg [1 means Posting in closing].
Clearing Instruction set to 0 [0 means Process normally (formerly Systematic posting)]
Clearing Firm ID not set
Account Number not set
Long Client ID set starting by "Case:1.1.4" (Optional but can allow better member support by Euronext)
Free text set using the maximum of length's field

In a selected instrument for trade execution (to be reported to the CCP).

Instruction for FIX:

The member submits a valid and correctly formatted **NewOrderSingle** (D) message with PostingAction (7443) set to 1 for one leg [1 means Posting in closing].
ClearingInstruction (577) set to 0 [0 means Process normally (formerly Systematic posting)]
LongClientID (21804) set starting by "Case:1.1.4" (Optional but can allow better member support by Euronext)
Free text (58) set using the maximum of length's field

In a selected instrument for trade execution (to be reported to the CCP).

Success Criteria: Once order is matched, Member confirms content expected into the mailing comment field in the clearing solution.

1.2 TRADE INTEGRATION FOR POSTING

1.2.1 MANUAL POSTING MODE WITH KNOWN POSITION ACCOUNT IN OPENING

Trade creation with manual posting mode, posting info in Open mode and known position account.

Instruction for SBE:

The member submits a valid and correctly formatted **New Order** (01) message with Posting action set to 0 for one leg [0 means Posting in opening].
Clearing Instruction set to 8 [8 means Manual mode]
Clearing Firm ID not set
Long Client ID set starting by "Case:1.2.1" (Optional but can allow better member support by Euronext)
Account Number set with an agreed value with CCP and clearing partner

In a selected instrument for trade execution (to be reported to the CCP).

Instruction for FIX:

The member submits a valid and correctly formatted **NewOrderSingle** (D) message with PostingAction (7443) set to 0 for one leg [0 means Posting in opening]
ClearingInstruction (577) set to 8 [8 Manual mode]
LongClientID (21804) set starting by "Case:1.2.1" (Optional but can allow better member support by Euronext)
Account (1) set with an agreed value with CCP and clearing partner

In a selected instrument for trade execution (to be reported to the CCP).

Success Criteria: Once order is matched, the member confirms the receipt in the clearing solution and correct interpretation of the mailing comment reported to CCP and clearing partner from the trade filled.

1.2.2 AUTOMATIC POSTING WITH KNOWN POSITION ACCOUNT IN OPENING

Trade creation with automatic posting mode, posting info in O mode and known position account.

Instruction for SBE:

The member submits a valid and correctly formatted **New Order** (01) message with Posting action set to 0 for one leg [0 means Posting in opening].

Clearing Instruction set to 9 [9 Automatic posting mode]

Clearing Firm ID not set

Long Client ID set starting by "Case:1.2.2" (Optional but can allow better member support by Euronext)

Account Number set with an agreed value with CCP and clearing partner

In a selected instrument for trade execution (to be reported to the CCP).

Instruction for FIX:

The member submits a valid and correctly formatted **NewOrderSingle** (D) message with PostingAction (7443) set to 0 for one leg [0 means Posting in opening].

ClearingInstruction (577) set to 9 [9 Automatic posting mode]

LongClientID (21804) set starting by "Case:1.2.2" (Optional but can allow better member support by Euronext)

Account (1) set with an agreed value with CCP and clearing partner

In a selected instrument for trade execution (to be reported to the CCP).

Success Criteria: Once order is matched, the member confirms the receipt into the clearing solution and correct interpretation of the allocation of the trade into the position account filled

1.2.3 POSTING WITH KNOWN POSITION ACCOUNT IN OPENING (WITHOUT POSTING ACTION)

Trade creation with automatic posting mode, posting info in O mode and known position account.

Instruction for SBE:

The member submits a valid and correctly formatted **New Order** (01) message with Posting action set to 0 for one leg [0 means Posting in opening]

Clearing Instruction set to 0 [0 Process normally (formerly Systematic posting)]

Clearing Firm ID not set

Long Client ID set starting by "Case:1.2.3" (Optional but can allow better member support by Euronext)

Account Number set with an agreed value with CCP and clearing partner

In a selected instrument for trade execution (to be reported to the CCP).

Instruction for FIX:

The member submits a valid and correctly formatted **NewOrderSingle** (D) message with PostingAction (7443) set to 0 for one leg [0 means Posting in opening].

ClearingInstruction (577) set to 0 [0 Process normally (formerly Systematic posting)]

LongClientID (21804) set starting by "Case:1.2.3" (Optional but can allow better member support by Euronext)

Account (1) set with an agreed value with CCP and clearing partner

In a selected instrument for trade execution (to be reported to the CCP).

Success Criteria: Once order is matched, the member confirms the receipt and correct interpretation of the trade fill reported to CCP and clearing partner.

1.2.4 MANUAL POSTING MODE WITH UNKNOWN POSITION ACCOUNT IN CLOSING

Trade creation with automatic posting mode, posting info in Closing mode and known position account.

Instruction for SBE:

The member submits a valid and correctly formatted **New Order** (01) message with Posting action set to 1 for one leg [1 means Posting in closing].

Clearing Instruction set to 8 [8 Manual mode]

Clearing Firm ID not set

Long Client ID set starting by "Case:1.2.4" (Optional but can allow better member support by Euronext)

Account Number not set

In a selected instrument for trade execution (to be reported to the CCP).

Instruction for FIX:

The member submits a valid and correctly formatted **NewOrderSingle** (D) message with PostingAction (7443) set to 1 for one leg [1 means Posting in closing].

ClearingInstruction (577) set to 8 [8 Manual mode]

LongClientID (21804) set starting by "Case:1.2.4" (Optional but can allow better member support by Euronext)

Account (1) not submitted

In a selected instrument for trade execution (to be reported to the CCP).

Success Criteria: Once order is matched, the member confirms the receipt and correct interpretation of the trade fill reported to CCP and clearing partner: Automatic posting command does not match with the position account id. as result the trade will remains as posting or give up to be performed.

1.2.5 AUTOMATIC POSTING WITH UNKNOWN POSITION ACCOUNT IN CLOSING

Trade creation with automatic posting mode, posting info in Closing mode and unknown position account.

Instruction for SBE:

The member submits a valid and correctly formatted **New Order** (01) message with Posting action set to 1 for one leg [1 means Posting in closing].

Clearing Instruction set to 9 [9 Automatic posting mode]

Clearing Firm ID not set

Long Client ID set starting by "Case:1.2.5" (Optional but can allow better member support by Euronext)

Account Number not set

In a selected instrument for trade execution (to be reported to the CCP).

Instruction for FIX:

The member submits a valid and correctly formatted **NewOrderSingle** (D) message with PostingAction (7443) set to 1 for one leg [1 means Posting in closing]

ClearingInstruction (577) set to 9 [9 Automatic posting mode]

LongClientID (21804) set starting by "Case:1.2.5" (Optional but can allow better member support by Euronext)

Account (1) not submitted

In a selected instrument for trade execution (to be reported to the CCP).

Success Criteria: Once order is matched, the member confirms the receipt in the clearing solution the value will be visible in to the position account field on clearing solution. Correct interpretation of the closing indicator

1.2.6 POSTING WITH UNKNOWN POSITION ACCOUNT IN CLOSING (WITHOUT POSTING ACTION)

Trade creation with posting mode, posting info in Closing mode and unknown position account.

Instruction for SBE:

The member submits a valid and correctly formatted **New Order** (01) message with Posting action set to 1 for one leg [1 means Posting in closing].

Clearing Instruction set to 0 [0 Process normally (formerly Systematic posting)]

Clearing Firm ID not set

Long Client ID set starting by "Case:1.2.6" (Optional but can allow better member support by Euronext)

Account Number not set

In a selected instrument for trade execution (to be reported to the CCP).

Instruction for FIX:

The member submits a valid and correctly formatted **NewOrderSingle** (D) message with PostingAction (7443) set to 1 for one leg [1 means Posting in closing]

ClearingInstruction (577) set to 0 [0 Process normally (formerly Systematic posting)]

LongClientID (21804) set starting by "Case:1.2.6" (Optional but can allow better member support by Euronext)

Account (1) not submitted

In a selected instrument for trade execution (to be reported to the CCP).

Success Criteria: Once order is matched, the member confirms the receipt in the clearing solution. Value contained into the position account screen should be displayed in the clearing solution.

1.3 . GIVE-UP

1.3.1 AUTOMATIC GIVE-UP WITHOUT POSITION ACCOUNT

Trade creation with automatic give-up and a no position account.

Instruction for SBE:

The member submits a valid and correctly formatted **New Order** (01) message with Posting action not set

Clearing Instruction set to 10 [10 Automatic give-up mode]

Clearing Firm ID: set with an agreed value with CCP and clearing partner

Long Client ID set starting by "Case:1.3.1" (Optional but can allow better member support by Euronext)

Account Number not set

In a selected instrument for trade execution (to be reported to the CCP).

Instruction for FIX:

The member submits a valid and correctly formatted **NewOrderSingle** (D) message with

PostingAction (7443) not submitted ClearingInstruction (577) set to 10 [10 Automatic give-up mode]

NestedPartyID (524) set with an agreed value with CCP and clearing partner

NestedPartyIDSource (525) set to D (Proprietary / Custom code)

NestedPartyRole (538) set to 4 (Clearing Firm Id)

NestedPartyRoleQualifier (2384) set to 3 (General clearing member) OR 4 (Individual clearing member)

LongClientID (21804) set starting by "Case:1.3.1" (Optional but can allow better member support by Euronext)

Account (1) not submitted

In a selected instrument for trade execution (to be reported to the CCP).

Success Criteria: Once order is matched, the member confirms the receipt in the clearing solution. Trade will be sent to the giving member waiting for acceptance on clearing side.

1.3.2 AUTOMATIC GIVE-UP WITH POSITION ACCOUNT

Trade creation with automatic give-up and a known position account.

Instruction for SBE:

The member submits a valid and correctly formatted **New Order** (01) message with

Posting action not set

Clearing Instruction set to 10 [10 Automatic give-up mode]

Clearing Firm ID: set with an agreed value with CCP and clearing partner

Long Client ID set starting by "Case:1.3.2" (Optional but can allow better member support by Euronext)

Account Number set with an agreed value with CCP and clearing partner

In a selected instrument for trade execution (to be reported to the CCP).

Instruction for FIX:

The member submits a valid and correctly formatted **NewOrderSingle** (D) message with

PostingAction (7443) not set

ClearingInstruction (577) set to 10 [10 Automatic give-up mode]

NestedPartyID (524) set with an agreed value with CCP and clearing partner

NestedPartyIDSource (525) set to D (Proprietary / Custom code)

NestedPartyRole (538) set to 4 (Clearing Firm Id)

NestedPartyRoleQualifier (2384) set to 3 (General clearing member) OR 4 (Individual clearing member)

LongClientID (21804) set starting by "Case:1.3.2" (Optional but can allow better member support by Euronext)

Account (1): set with an agreed value with CCP and clearing partner

In a selected instrument for trade execution (to be reported to the CCP).

Success Criteria: Once order is matched, the member confirms the receipt in the clearing solution, the trade is given up to the receiving member, position account field filled with value from trading.

1.3.3 AUTOMATIC GIVE-UP AND NO MEMBER INFORMATION

Trade creation with automatic give-up and without destination member and without position account.

Instruction for SBE:

The member submits a valid and correctly formatted **New Order** (01) message with

Posting action not set

Clearing Instruction set to 10 [10 Automatic give-up mode]

Clearing Firm ID: not set

Long Client ID set starting by "Case:1.3.3" (Optional but can allow better member support by Euronext)

Account Number not set

In a selected instrument for trade execution (to be reported to the CCP).

Instruction for FIX:

The member submits a valid and correctly formatted **NewOrderSingle** (D) message with

PostingAction (7443) not submitted

ClearingInstruction (577) set to 10 [10 Automatic give-up mode]

NestedPartyID (524) not submitted

NestedPartyIDSource (525) not submitted

NestedPartyRole (538) not submitted

NestedPartyRoleQualifier (2384) not submitted

LongClientID (21804) set starting by "Case:1.3.3" (Optional but can allow better member support by Euronext)

Account (1): not submitted

In a selected instrument for trade execution (to be reported to the CCP).

Success Criteria: Once order is matched, the member confirms the receipt in the clearing solution and correct interpretation of the mailing comment for the trade fill reported to CCP and clearing partner

2. CONFORMANCE VALIDATION

Any trading member must complete its Front-to-Back Conformance on Euronext and LCH testing environment prior to Optiq Go Live.

Trading members have to confirm that clearing instructions provided on the trading solution meet the expectation on all of the clearing solution offered to this member by any clearing partner.

Member Connectivity Administrator of the Trading member will have to provide the Front-to-Back Conformance test results performed on EUA environment via a dedicated Web Form.

If some of the cases provided are not used by the Member fell free to provide the information in the Result form.

Below is a template to gather member results prior to the Euronext reporting:

Case	Case description	Performed (Yes/No)	Conformed with Clearing Partner
TRADE INTEGRATION WITH SIMPLE POSTING			
1.1.1	POSTING IN OPENING		
1.1.2	POSTING IN CLOSING		
1.1.3	POSTING USING POSTING ORDER NUMBER		
1.1.4	POSTING USING THE MAILING COMMENT		
TRADE INTEGRATION FOR POSTING			
1.2.1	MANUAL POSTING MODE WITH KNOWN POSITION ACCOUNT IN OPENING		
1.2.2	AUTOMATIC POSTING WITH KNOWN POSITION ACCOUNT IN OPENING		
1.2.3	POSTING WITH KNOWN POSITION ACCOUNT IN OPENING (WITHOUT POSTING ACTION)		
1.2.4	MANUAL POSTING MODE WITH UNKNOWN POSITION ACCOUNT IN CLOSING		
1.2.5	AUTOMATIC POSTING WITH UNKNOWN POSITION ACCOUNT IN CLOSING		
1.2.6	POSTING WITH UNKNOWN POSITION ACCOUNT IN CLOSING (WITHOUT POSTING ACTION)		
GIVE-UP			
1.3.1	AUTOMATIC GIVE-UP WITHOUT POSITION ACCOUNT		
1.3.2	AUTOMATIC GIVE-UP WITH POSITION ACCOUNT		
1.3.3	AUTOMATIC GIVE-UP AND NO MEMBER INFORMATION		

3. CLEARING INSTRUCTION KEY FIELDS IN ORDER ENTRY MESSAGES (FOR TRADE REPORTING TO CLEARING)

3.1 FIRM ID / TRADING MEMBER CODE

REQUIRED SBE FIELD	Firm ID
REQUIRED FIX FIELD	SenderCompID (49)
LCH 5011 FIELD	Trading Member Code
LCH 5011 FIELD DESCRIPTION	Code of the member code who has executed the trade
MANDATORY FIELD	Yes

3.2 CLEARING FIRM ID / GIVE-UP DESTINATION MEMBER CODE

REQUIRED SBE FIELD	Clearing Firm ID
REQUIRED FIX FIELD	NestedPartyID (524) = XXX NestedPartyIDSource (525) = D (Proprietary / Custom Code) NestedPartyRole (538) = 4 (Clearing Firm) NestedPartyRoleQualifier (2384) = 3 (General clearing member) OR 4 (Individual clearing member)
LCH 5011 FIELD	Give-Up destination member code
LCH 5011 FIELD DESCRIPTION	Member code of the beneficiary
MANDATORY FIELD	No

3.3 ORDER ID / TRADE LEG ORDER NUMBER

REQUIRED SBE FIELD	Order ID
REQUIRED FIX FIELD	OrderID (37)
LCH 5011 FIELD	Trade leg Order Number
LCH 5011 FIELD DESCRIPTION	Free text
MANDATORY FIELD	No

3.4 ACCOUNT NUMBER / POSITION ACCOUNT EXTERNAL ID

REQUIRED SBE FIELD	Account Number
REQUIRED FIX FIELD	Account (1)
LCH 5011 FIELD	Position Account External ID
LCH 5011 FIELD DESCRIPTION	Position account id filled by the executing Member from the order entry application (will be needed if automatic function used has to be an existing LCH SA position account)
MANDATORY	No

3.5 LONG CLIENT ID / POSTING ORDER NUMBER

REQUIRED SBE FIELD	Long Client ID
REQUIRED FIX FIELD	Long Client ID (21804)
LCH 5011 FIELD	Posting Order Number
LCH 5011 FIELD DESCRIPTION	free test provided from the order entry application
MANDATORY FIELD	No

3.6 FREE TEXT / MEMO

REQUIRED SBE FIELD	Free Text
REQUIRED FIX FIELD	Text (58)
LCH 5011 FIELD	Memo
LCH 5011 FIELD DESCRIPTION	Free text (can be used for internal reference or client ref)
MANDATORY FIELD	No

3.7 CLEARING INSTRUCTION / TYPE OF CLEARING INFO

REQUIRED SBE FIELD	Clearing Instruction
REQUIRED FIX FIELD	ClearingInstruction (577)
LCH 5011 FIELD	Type of Clearing Info
LCH 5011 FIELD DESCRIPTION	(Blank) : none 0 : pre-posting or pre-give up 1 : automatic posting 2 : automatic give-up
MANDATORY FIELD	No

3.8 OPEN CLOSE / O/C INDICATOR

REQUIRED SBE FIELD	Open Close
REQUIRED FIX FIELD	PostingAction (7443)
LCH 5011 FIELD	O/C INDICATOR
LCH 5011 FIELD DESCRIPTION	Posting indicator; this field indicates if the posting is closing position or opening position for each leg Permitted values: C - Posting in closing O - Posting in opening
MANDATORY FIELD	No

4. MAPPING OF DATA FOR CLEARING DATA & EXECUTION ID FOR DERIVATIVES, AND OTHER FIELD AND DATA NOTE

4.1 EXECUTION ID RECONCILIATION

For Derivatives markets on Optiq Execution ID provided by the trading engine is modified before being sent to Clearing, using the following rules:

- 1) The first 9 digits of the Execution ID are kept as identified, the 10th digit is truncated
- 2) 1 digit is added at the end of the Execution ID provided by the Order Entry gateway, to indicate the type of trading for Clearing using the following values
 - a. 0 for Conventional trades (for outrights and strategies)
 - b. 5 for Temporary trades on TRF and MOC contracts
 - i. Later on provided with 0 for the Final trades
 - c. 9 for of all permanent prices that are Off-book On exchange (Wholesales [block, prof, exchange for swaps, asset allocation, against actuals] & RFC

Examples:

Trade Type	Exec ID in Optiq	Exec ID in
TRF / MOC	0000000271	0000002715
Wholesale or RFC	0000000260	0000002609
All other trades	0000000257	0000002570

4.2 MAPPING OF CLEARING INSTRUCTIONS VALUES

The previously used values in CCG for Clearing Instructions for UTP-d that map to these are as follows:

UTP / CCG Values (Legacy)		Optiq OEG Values Step 2		LCH 5011 values	
0	Undefined / Process normally	0	Process normally	"	None
8	Manual	8	Manual mode	0	Pre-posting or Pre-give-up
9	Automatic	9	Automatic posting mode	1	Automatic posting
4010	Give-up to single firm	10	Automatic give-up mode	2	Automatic give-up
4008	Automatic and account authorization	8	Covered by value "8" as above	Mapping as above for equivalent Optiq value	
4009	Manual and account authorization	9	Covered by value "9" as above	Mapping as above for equivalent Optiq value	

4.3 CLEARING INSTRUCTIONS FOR QUOTES

The member will not be able to send quotes or Market Maker protection messages without first submitting a MM Sign-In (47) message. The MM Sign-in messages are submitted per combination of Firm ID + Execution with Firm Short code.

The member has to sign in once a day and can also override the sign in by sending again the message.

A new MM Sign-In (47) is required for each case above and needs to be populated as described. Once Sign-In is done, then a Quote can be submitted and trade generated.

4.4 NOTES ON TRADES IN TESTS AND FIELD FORMATS

Fields listed in the test cases below do not identify the type and format of the fields. Clients must review the Optiq OEG specifications (SBE or FIX as needed) to identify how to correctly populate fields and values in order entry messages.

For Example: a test requires to provide Posting action with at least one leg set to 0. In SBE this is a bitmap, and the tests identifies that at least one of the positions is populated with zero indicating posting for that leg as Closed.

All Front-to-back tests require a Trade to be executed on the Euronext markets for testing with the CCP and Clearing partners / members. To achieve this clients must enter orders on both sides of the same instrument, where either two prices are crossed to create an execution, or by submitting a Limit order and a Market order on the opposite side.

5. SUPPORT

A Support Desk dedicated to the Optiq programme was launched in June 2016, and will be available to members for the duration of the Optiq implementation programme. It has been set up to answer members' queries related to the Optiq programme, to send information to members related to Optiq, to assist members in their testing and validation on the EUA environment, and to provide follow-up on client conformance testing.

The Optiq Support Desk has been set up to ensure member readiness and will be the primary point of contact for clients throughout the migration. The scope of the Support Desk will include:

- Answering member queries about the Optiq programme, such as technical and functional questions, clarifications on the specifications and documentation, questions relative to the migration and associated dates, and questions regarding connectivity.
- Sending information about Optiq to members, such as the monthly newsletters, regular technical notes, programme Info Flashes and updates to the dedicated Optiq web page.
- Assisting members in their testing and validation on EUA environment by generating test orders, trades and market data, matching client orders upon request, and facilitating testing on the platform by creating Production-like conditions.
- Coordination and follow-up on member conformance testing by ensuring that clients have made the required developments for the new Optiq platform and providing support during the conformance testing periods.

SUPPORT DESK INFORMATION

Contact details: Optiq Support Desk
Tel: +33 1 70 48 25 55
Email: optiq@euronext.com

Opening hours: Monday – Friday: 09:00 to 18:00 CET

APPENDIX A: REVISION HISTORY

SUMMARY OF CHANGES

Version	Change Description
1.0	First release
1.1	Second release – minor update

DOCUMENT HISTORY

REVISION NO.	DATE	AUTHOR	CHANGE DESCRIPTION
1.0	12 September 2019	Euronext	First release
1.1	15 Oct 2019	Euronext	Update version containing Quote specificity for SBE protocol (using MM Sign In [47])