

EURONEXT DERIVATIVES NOTICE

Amsterdam Market

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26 October 2015

AtomX: FLEXIBLE CONTRACT SPECIFICATIONS, LIST OF FLEXIBLE CONTRACTS AND TRADING FEE

Executive Summary

This notice informs Members of the contract specifications of Flexible contracts, the list of Flexible contracts that will be available on AtomX, Euronext's new off-order book, on-exchange trade reporting service for clients in equity and index derivatives, and the trading fees that will be applied to trades executed via AtomX.

1. Introduction

- 1.1 Info-Flash [IF150907DE](#), published on 7 September 2015, announced that the launch date of AtomX is 26 October 2015. This notice informs Members of the Flexible contract specifications, the list of Flexible contracts that will be available on AtomX and the trading fees that will be applied to trades executed via AtomX.
- 1.2 The new service will provide flexibility for investors by allowing them to tailor derivatives instruments with strike prices, option types, settlement styles and expiry dates (restricted to 3rd Friday at launch) that are not available on the central order book, and to report trades through either a web interface or a dedicated electronic connection. Clients can also benefit from the capital and operational efficiencies of clearing flexible trades in the same clearing pool as their existing Euronext positions.

2. Contract specifications Flexible Options and Futures

- 2.1 The contract specifications for Flexible Options and Futures can be found in attachments 1 to 3.

3. List of Flexible contracts

- 3.1 The list of Flexible contracts that will be available on AtomX can be found in attachments 4 to 7.

4. Trading fees

- 4.1 The combined trading and clearing fees for Flexible Options and Futures are shown in attachment 8 and the Exercise & Assignment fees are shown in attachment 9.
- 4.2 The trading and clearing fees for Standard Options & Futures traded via AtomX is equal to the existing Block trade/Prof trade (to be renamed Large-in-Scale) fees.

The Euronext Markets comprise the markets operated by Euronext Amsterdam, Euronext Brussels, Euronext Lisbon, Euronext Paris and Euronext London, referred to respectively as the Amsterdam, Brussels, Lisbon, Paris and London markets, as relevant. Euronext refers to Euronext N.V. and its affiliates.

5. Onboarding

Members who wish to access the AtomX solution must:

- 5.1 fill out and return the '[Request for Extension of Trading Activity form](#)' to the Euronext Membership department
- 5.2 request an electronic certificate and credentials from Euronext's Customer Access Services (CAS) team
- 5.3 sign the updated Trading Platform Agreement (TPA).

6. documentation

Additional details are available on the Euronext website as follows:

- 6.1 AtomX webpage www.euronext.com/atomx:
 - Flex Instrument: Contract specifications
 - AtomX User Guide
 - Factsheet: Flex on Euronext AtomX
 - Factsheet: Euronext Single Stock Options
- 6.2 Onboarding webpage www.euronext.com/membership/admission-proces/membership-applications-extensions:
 - Request for extension of trading activity
 - Trading Platform Agreement (TPA)
 - AtomX Login creation order Form
- 6.3 IT documentation > Market Data www.euronext.com/it-documentation/market-data:
 - XDP-D Specification v2.2.6
 - XDP-D XML Standing Data Specification v1.8
 - XDP-D Configuration documents for EUA and Production v2.1.2
- 6.4 IT documentation > Order Entry > Technical Documentation www.euronext.com/connectivity/it-documentation/order-entry:
 - AtomX API Client Specifications describing the messages to access the services of the AtomX Trade Manager gateway (SOAP-based API)

For further information in relation to this Notice, contact your relationship manager at ccc@euronext.com or:

EMS Customer Technical Support Group	+33 1 85 148 588	CTSG@euronext.com
Customer Access Support	+33 1 8514 8589	CAS@euronext.com
Membership (Onboarding & Client Administration)	+ 31 20 721 42 64 +33 1 70 48 28 27	EuronextMembership@euronext.com
EMS Derivatives desk	www.euronext.com/services-support	EMSDerivatives@euronext.com
Telephone (calling from):	Belgium +32 2 620 0585 France +33 1 8514 8585 Portugal +351 2 1060 8585	
If your enquiry relates to AtomX, press 7	The Netherlands +31 20 721 9585 UK +44 20 7660 8585	

Attachment 1: Flexible Stock Options and ETF Options contract specifications

	Flexible Individual Equity Options American Style - Physical Delivery	Flexible Individual Equity Options American Style - Cash Settlement	Flexible Individual Equity Options European Style - Physical Delivery	Flexible Individual Equity Options European Style - Cash Settlement
Contract size	One option normally equals rights over 100 underlying shares	One option normally equals rights over 100 underlying shares	One option normally equals rights over 100 underlying shares	One option normally equals rights over 100 underlying shares
Unit of trading	100	100	100	100
Pricing unit/quotation	Euros per share	Euros per share	Euros per share	Euros per share
Minimum price movement (tick size and value)	€ 0.0001 (€ 0.01 per contract)	€ 0.0001 (€ 0.01 per contract)	€ 0.0001 (€ 0.01 per contract)	€ 0.0001 (€ 0.01 per contract)
Option style	American style	American style	European style	European style
Expiry months	Any month with a maximum lifetime that is equal to the longest dated month of any standard contract that is available on the same underlying value Minimum lifetime: next business day	Any month with a maximum lifetime that is equal to the longest dated month of any standard contract that is available on the same underlying value Minimum lifetime: next business day	Any month with a maximum lifetime that is equal to the longest dated month of any standard contract that is available on the same underlying value Minimum lifetime: next business day	Any month with a maximum lifetime that is equal to the longest dated month of any standard contract that is available on the same underlying value Minimum lifetime: next business day
Introduction of new exercise prices and exercise price intervals	Exercise price interval: 0.01 Minimum exercise price: 0.01 The exercise price is allowed to be a maximum of 100% away from the underlying value at the moment of the first trade. Maximum allowed strike: 3599.99	Exercise price interval: 0.01 Minimum exercise price: 0.01 The exercise price is allowed to be a maximum of 100% away from the underlying value at the moment of the first trade. Maximum allowed strike: 3599.99	Exercise price interval: 0.01 Minimum exercise price: 0.01 The exercise price is allowed to be a maximum of 100% away from the underlying value at the moment of the first trade. Maximum allowed strike: 3599.99	Exercise price interval: 0.01 Minimum exercise price: 0.01 The exercise price is allowed to be a maximum of 100% away from the underlying value at the moment of the first trade. Maximum allowed strike: 3599.99
Wholesale minimum trade size	1	1	1	1
Euronext market	Amsterdam, Brussels, Lisbon, Paris	Amsterdam, Brussels, Lisbon, Paris	Amsterdam, Brussels, Lisbon, Paris	Amsterdam, Brussels, Lisbon, Paris
Daily settlement tick size	€ 0.0001	€ 0.0001	€ 0.0001	€ 0.0001
Daily settlement time	17:30 CET	17:30 CET	17:30 CET	17:30 CET
Daily settlement underlying price	Closing Price	Closing Price	Closing Price	Closing Price
Last trading day	Trading ceases at 17:30 CET on the expiry day*	Trading ceases at 17:30 CET on the expiry day*	Trading ceases at 17:30 CET on the expiry day*	Trading ceases at 17:30 CET on the expiry day*
Exercise	Exercise is possible until 19:15 CET on any business day, extended to 19:45 CET on the third Friday of a month.	Exercise is possible until 19:15 CET on any business day, extended to 19:45 CET on the third Friday of a month.	Exercise is possible on the Last Trading Day only: until 19:15 CET on any business day, extended to 19:45 CET on the third Friday of a month.	Exercise is possible on the Last Trading Day only: until 19:15 CET on any business day, extended to 19:45 CET on the third Friday of a month.

Attachment 1: Flexible Stock Options contract specifications (continued)

	Flexible Individual Equity Options American Style - Physical Delivery	Flexible Individual Equity Options American Style - Cash Settlement	Flexible Individual Equity Options European Style - Physical Delivery	Flexible Individual Equity Options European Style - Cash Settlement
Settlement	Physical delivery of 100 shares (or other such number of shares as determined by the terms of the contract) through the settlement system of LCH.Clearnet SA.	Cash settlement based on the EDSP	Physical delivery of 100 shares (or other such number of shares as determined by the terms of the contract) through the settlement system of LCH.Clearnet SA.	Cash settlement based on the EDSP
Settlement day	Two business days after the exercise day	First business day after the exercise day	Two business days after the exercise day	First business day after the exercise day
Exchange Delivery Settlement Price (EDSP)		The domestic cash market closing price of the underlying shares on the day of exercise		The domestic cash market closing price of the underlying shares on the day of exercise
EDSP tick size		€ 0.0001		€ 0.0001
EDSP time		17:30 CET		17:30 CET
EDSP method		Official Closing Price		Official Closing Price
Option premium	Payable in full by the buyer on the business day following a transaction	Payable in full by the buyer on the business day following a transaction	Payable in full by the buyer on the business day following a transaction	Payable in full by the buyer on the business day following a transaction
Clearing organization	LCH.Clearnet S.A.	LCH.Clearnet S.A.	LCH.Clearnet S.A.	LCH.Clearnet S.A.
Trading hours	09:00 - 18:30 CET	09:00 - 18:30 CET	09:00 - 18:30 CET	09:00 - 18:30 CET

* Until further notice the expiry day will be the third Friday of the expiry month.

Attachment 2: Flexible Stock Futures contract specifications

	Flexible Single Stock Futures Cash Settlement
Contract size	One future normally equals rights over 100 underlying shares*
Unit of trading	100*
Pricing unit/quotation	EUR/CHF/GBX/NOK/SEK/DKK per share
Minimum price movement (tick size and value)	EUR/CHF/NOK/SEK/DKK 0.0001 (EUR/CHF/NOK/SEK/DKK 0.01 per contract, for Italian SSFs EUR 0.10 per contract) GBX 0.01 (GBX 10.00 per contract)
Expiry months	Any month with a maximum lifetime that is equal to the longest dated month of any standard contract that is available on the same underlying value Minimum lifetime: next business day
Wholesale minimum trade size	1
Euronext market	Amsterdam, Brussels, Lisbon, Paris
Daily settlement tick size	EUR/CHF/NOK/SEK/DKK 0.0001 GBX 0.01
Daily settlement time	17:40 CET
Daily settlement underlying price	Closing price
Last trading day	Trading ceases at 17:40 CET on the expiry day**
Settlement	Cash settlement based on the EDSP
Settlement day	First business day after the Last Trading Day
Exchange Delivery Settlement Price (EDSP)	The cash market closing price of the underlying stock on the Last Trading Day
EDSP tick size	EUR/CHF/NOK/SEK/DKK 0.0001 GBX 0.01
EDSP time	17:40 CET
EDSP method	Cash Market Closing Price
Clearing organization	LCH.Clearnet S.A.
Trading hours	09:00 - 18:30 CET

* Single Stock Futures on Italian and UK underlying stocks have a contract size of 1000.

** Until further notice the expiry day will be the third Friday of the expiry month.

Attachment 3: Flexible Index Options contract specifications

	Flexible Index Options European style - Cash Settlement
Contract size	Same as standard contract
Unit of trading	Same as standard contract
Pricing unit/quotation	Same as standard contract
Minimum price movement (tick size and value)	€ 0.0001
Option style	European style
Expiry months	Any month with a maximum lifetime that is equal to the longest dated month of any standard contract that is available on the same underlying value Minimum lifetime: next business day
Introduction of new exercise prices and exercise price intervals	Exercise price interval: 0.1 Minimum exercise price: 0.1 The exercise price is allowed to be a maximum of 100% away from the underlying value at the moment of the first trade. Maximum allowed strike: 35999.9
Wholesale minimum trade size	Same as standard contract
Euronext market	Same as standard contract
Daily settlement tick size	€ 0.0001
Daily settlement time	Same as standard contract
Last trading day	Trading ceases at standard contract expiry time on the expiry day*
Exercise	Exercise is possible on the Last Trading Day only: until 19:15 CET on any business day, extended to 19:45 CET on the third Friday of a month.
Settlement	Cash Settlement based on the EDSP
Settlement day	First business day after the Last Trading Day
Exchange Delivery Settlement Price (EDSP)	Same as standard contract for third Friday expiries.
EDSP tick size	Same as standard contract for third Friday expiries.
EDSP time	Same as standard contract for third Friday expiries.
EDSP method	Same as standard contract for third Friday expiries.
Option premium	Payable in full by the buyer on the business day following a transaction
Clearing organization	LCH.Clearnet S.A.
Trading hours	09:00 - 18:30 CET

* Until further notice the expiry day will be the third Friday of the expiry month.

Attachment 4: Flexible Stock Options*

Underlying	ISIN-code	Relevant Stock Exchange	Trading currency	Contract Code			
				Flexible American Physical	Flexible American Cash	Flexible European Physical	Flexible European Cash
AALBERTS INDUSTRIES	NL0000852564	Euronext Amsterdam	EUR	6AA	7AA	8AA	9AA
AEGON	NL0000303709	Euronext Amsterdam	EUR	6AE	7AE	8AE	9AE
AGEAS	BE0974264930	Euronext Brussels	EUR	6AG	7AG	8AG	9AG
AHOLD, KONINKLIJKE	NL0010672325	Euronext Amsterdam	EUR	6AH	7AH	8AH	9AH
AIR FRANCE-KLM	FR0000031122	Euronext Amsterdam	EUR	6AF	7AF	8AF	9AF
AKZO NOBEL	NL0000009132	Euronext Amsterdam	EUR	6AK	7AK	8AK	9AK
ALTICE	NL0011333752	Euronext Amsterdam	EUR	6AO	7AO	8AO	9AO
AMG	NL0000888691	Euronext Amsterdam	EUR	6AM	7AM	8AM	9AM
APERAM	LU0569974404	Euronext Amsterdam	EUR	6AP	7AP	8AP	9AP
ARCADIS	NL0006237562	Euronext Amsterdam	EUR	6AZ	7AZ	8AZ	9AZ
ARCELORMITTAL	LU0323134006	Euronext Amsterdam	EUR	6MT	7MT	8MT	9MT
ASM INTERNATIONAL	NL0000334118	Euronext Amsterdam	EUR	6AN	7AN	8AN	9AN
ASML HOLDING	NL0010273215	Euronext Amsterdam	EUR	6AS	7AS	8AS	9AS
BAM GROEP, KONINKLIJKE	NL0000337319	Euronext Amsterdam	EUR	6BA	7BA	8BA	9BA
BE SEMICONDUCTOR INDUSTRIES	NL0000339760	Euronext Amsterdam	EUR	6BS	7BS	8BS	9BS
BINCKBANK	NL0000335578	Euronext Amsterdam	EUR	6BC	7BC	8BC	9BC
BOSKALIS WESTMINSTER, KON	NL0000852580	Euronext Amsterdam	EUR	6BO	7BO	8BO	9BO
BRUNEL INTERNATIONAL	NL0010776944	Euronext Amsterdam	EUR	6BI	7BI	8BI	9BI
CORBION	NL0010583399	Euronext Amsterdam	EUR	6CB	7CB	8CB	9CB
DELTA LLOYD	NL0009294552	Euronext Amsterdam	EUR	6DL	7DL	8DL	9DL
DSM, KONINKLIJKE	NL0000009827	Euronext Amsterdam	EUR	6DS	7DS	8DS	9DS
FUGRO	NL0000352565	Euronext Amsterdam	EUR	6FU	7FU	8FU	9FU
GEMALTO	NL0000400653	Euronext Amsterdam	EUR	6GM	7GM	8GM	9GM
HEIJMANS	NL0009269109	Euronext Amsterdam	EUR	6HY	7HY	8HY	9HY
HEINEKEN	NL0000009165	Euronext Amsterdam	EUR	6HE	7HE	8HE	9HE
ING GROEP	NL0000303600	Euronext Amsterdam	EUR	6IN	7IN	8IN	9IN
KLEPIERRE	FR0000121964	Euronext Amsterdam	EUR	6CI	7CI	8CI	9CI
KPN, KONINKLIJKE	NL0000009082	Euronext Amsterdam	EUR	6KP	7KP	8KP	9KP
NN GROUP	NL0010773842	Euronext Amsterdam	EUR	6NN	7NN	8NN	9NN
NSI	NL0000292324	Euronext Amsterdam	EUR	6NS	7NS	8NS	9NS
OCI	NL0010558797	Euronext Amsterdam	EUR	6OC	7OC	8OC	9OC
ORDINA	NL0000440584	Euronext Amsterdam	EUR	6OD	7OD	8OD	9OD
PHILIPS, KONINKLIJKE	NL0000009538	Euronext Amsterdam	EUR	6PH	7PH	8PH	9PH
POSTNL	NL0009739416	Euronext Amsterdam	EUR	6PN	7PN	8PN	9PN
RANDSTAD HOLDING	NL0000379121	Euronext Amsterdam	EUR	6RA	7RA	8RA	9RA
RELX	NL0006144495	Euronext Amsterdam	EUR	6RE	7RE	8RE	9RE
ROYAL DUTCH SHELL A	GB00B03MLX29	Euronext Amsterdam	EUR	6RD	7RD	8RD	9RD
SBM OFFSHORE	NL0000360618	Euronext Amsterdam	EUR	6SB	7SB	8SB	9SB
TKH GROUP	NL0000852523	Euronext Amsterdam	EUR	6TK	7TK	8TK	9TK
TOMTOM	NL0000387058	Euronext Amsterdam	EUR	6TT	7TT	8TT	9TT

Attachment 4: Flexible Stock Options (continued)*

Underlying	ISIN-code	Relevant Stock Exchange	Trading currency	Contract Code			
				Flexible American Physical	Flexible American Cash	Flexible European Physical	Flexible European Cash
UNIBAIL-RODAMCO	FR0000124711	Euronext Amsterdam	EUR	6UB	7UB	8UB	9UB
UNILEVER	NL0000009355	Euronext Amsterdam	EUR	6UN	7UN	8UN	9UN
USG PEOPLE	NL0000354488	Euronext Amsterdam	EUR	6US	7US	8US	9US
VOPAK, KONINKLIJKE	NL0009432491	Euronext Amsterdam	EUR	6VP	7VP	8VP	9VP
WERELDHAVE	NL0000289213	Euronext Amsterdam	EUR	6WH	7WH	8WH	9WH
WESSANEN	NL0000395317	Euronext Amsterdam	EUR	6WE	7WE	8WE	9WE
WOLTERS KLUWER	NL0000395903	Euronext Amsterdam	EUR	6WK	7WK	8WK	9WK

* All standard Stock Options will be available on AtomX, also contracts that have no flexible version available on AtomX

Attachment 5: Flexible ETF Options*

Contract name	Underlying ¹	ISIN-code	Relevant Stock Exchange Euronext	Trading currency	Contract Code			
					Flexible American Physical	Flexible American Cash	Flexible European Physical	Flexible European Cash
EUE Flex Option	ISHARES EURO STOXX 50 UCITS ETF (DIST)	IE0008471009	Amsterdam	EUR	6EU	7EU	8EU	9EU
IEM Flex Option	ISHARES MSCI EMERGING MARKETS UCITS ETF (DIST)	IE00B0M63177	Amsterdam	EUR	6IG	7IG	8IG	9IG
IME Flex Option	ISHARES MSCI EUROPE UCITS ETF (DIST)	IE00B1YZSC51	Amsterdam	EUR	6IC	7IC	8IC	9IC
IJP Flex Option	ISHARES MSCI JAPAN EUR HEDGED UCITS ETF	IE00B42Z5J44	Amsterdam	EUR	6IJ	7IJ	8IJ	9IJ
IWR Flex Option	ISHARES MSCI WORLD UCITS ETF (DIST)	IE00B0M62Q58	Amsterdam	EUR	6IW	7IW	8IW	9IW
ISS Flex Option	ISHARES S&P 500 UCITS ETF (DIST)	IE0031442068	Amsterdam	EUR	6IS	7IS	8IS	9IS

* All standard Stock Options will be available on AtomX, also contracts that have no flexible version available on AtomX

¹The referential use of the name of the indices is necessary to indicate the underlying value and performance of the Financial Product. These indices may be registered as trademark by third parties. The Euronext Financial Products are not sponsored, endorsed, sold or promoted by those third parties.

Attachment 6: Flexible Stock Futures

Please see separate excel-file.

Attachment 7: Flexible Index Options*

Underlying	Contract Code
	Flexible European Cash
AEX-INDEX	ZAX
AEX-INDEX MINI OPTION	ZMA

* All standard Index Options will be available on AtomX, also contracts that have no flexible version available on AtomX

Attachment 8: Euronext Flexible product trading and clearing fees

PRODUCT	FLEX PRODUCT TRADING AND CLEARING FEE in € ¹				FLEX PRODUCT TOTAL FEE in €	
	Euronext		LCH.Clearnet		Broker (client account)	Member (own account)
	Broker (client account)	Member (own account)	Broker (client account)	Member (own account)		
Stock and ETF options	0.15	0.15	0.05	0.05	0.20	0.20
Maximum fee per posting	200	220	40	20	240	240
Stock futures	0.10	0.10	0.05	0.05	0.15	0.15
Maximum fee per posting	150	150	75	75	225	225
AEX-index options	0.36	0.20	0.05	0.05	0.41	0.25
Maximum fee per posting	1,110	555	40	20	1,150	575
AEX-index mini options	0.085	0.020	0.015	0.015	0.10	0.035
Maximum fee per posting	1,060	530	40	20	1,100	550

¹ The trading and clearing fees for standard contracts reported via AtomX are equal to the applicable Block/Prof (to be renamed Large-in-Scale) fees.

Attachment 9: Euronext Flexible product - Exercise / Tender / Assignment fees

PRODUCT	Exercise/tender/ assignment in €	Maximum fee per individual Exercise/tender and assignment in €
Stock and ETF options	0.20	200
Stock futures	0.30	365

The exercise/tender/assignment fees for the other Flexible products are equal to the exercise/tender/ assignment fees for standard products.

PRODUCT	Exercise/assignment in €	
	Broker (client account)	Member (own account)
AEX-Index options	0.90	0.40
Maximum fee per individual Exercise and assignment	1,000	600
AEX-Index mini options	0.30	0.10
Maximum fee per individual Exercise and assignment	1,000	600