EUREX

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Eurex Clearing FIXML Interface

Interface Specification

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EUREX

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Change History

Date	Ver.	Change
28 Feb 2014	1.0.0	Initial version for C7 Release 1.0
10 June 2014	1.1.0	▪ Promoted simulation version to production version
22 July 2014	1.1.1	▪ OTC Trade Entry rebranding
29 Oct 2014	2.0	Initial version for C7 Release 2.0 ▪ no change of content
26 Jan 2014	3.0	Initial version for C7 Release 3.0 ▪ no change of content
11 June 2015	3.1	Promoted preliminary to simulation version ▪ no change of content
26 June 2015	3.2	▪ Updated *SenderCompID* information
18 Nov 2015	3.3	▪ Typo correction: *MonthMaturityYear* → *MaturityMonthYear*
18 Mar 2016	3.4	Promoted simulation version to production version ▪ no change of content
28 July 2016	3.5	Simulation version for C7 Release 3.1 ▪ End-of-Stream: Adapted text to new broker behavior (all queues are emptied → expired messages are deleted.)
17 Oct 2016	3.6	Production version for C7 Release 3.1 ▪ 6.1: New end-of-stream message text.
8 May 2017	4.0	Initial version for C7 Release 4.0
7 May 2018	4.1	▪ Introduction of public broadcast messages for Dividend Adjustments
30 July 2018	4.2	▪ Introduction of public broadcast messages for settlement price corrections. The introduced messages are MarketDataInc Message, which are extended and replacing the initially published MrktDataInc Message for adjustments due to dividend payments ▪ The end of stream message is deprecated and kept for backward compatibility only
28 Jan 2019	4.3	▪ Add ECC as valid value for SID ▪ Rename Single Stock Dividend Adjusted Futures (SSDAF) to Stock Tracking Futures (STF)
26 Aug 2019	4.4	▪ Add TrdDt to End-of-assignment messages

Date	Rel	Change
26 May 2020	7.0	No update for C7 Release 7.0
2 June 2020	7.0.1	▪ Changes to price broadcasts with C7 Release 7.0.1

25 Jan 2021	7.1	▪ changes to R-factor messages ▪ changes to Contract add, change, delete messages ▪ remove End-of-stream message
28 June 2021	8.0	No update for C7 Release 8.0
27 Aug 2021	8.1	▪ Changes to instrument component as per the new contract identification concept introduced by 'Next Generation ETD Contracts' ▪ remove field Factor (Fctr 222) in r-factor message
15 Oct 2021	8.1	▪ correction of availability of field MMY (MaturityMonthYear 200) from "A"(always) to "O"(optional) as only existing for monthly contracts. Chapters: 4.1 / 4.2 / 4.3 / 5.1 / 6.1
15 Nov 2021	8.1	▪ All updates in chapters: 4.1/ 4.2/ 4.3/ 5.1/ 6.1 o correction of FIXML Name of Flexible Indicator (FIX Tag 1244) to "FlexInd" o correction of FIXML Names within SecAltIdGrp: SecurityAltID (FIX Tag 455) to AltID and SecuirityAltDSource (FIX Tag 456) to AltIDSrc o correction of FIXML Name of SecAltIdGrp itself to AID.
30 May 2022	9.0	No update for C7 Release 9.0
1 Dec 2022	9.1	No update for C7 Release 9.1
5 June 2023	10.0	No update for C7 Release 10.0
4 Dec 2023	10.1	No update for C7 Release 10.1
27 May 2024	11.0	No functional content update for C7 Release 11.0
2 Dec 2024	11.1	No functional content update for C7 Release 11.1
26 May 2025	12.0	No functional content update for C7 Release 12.0

1 Introduction

The Eurex Clearing FIXML Interface provides Eurex and ECC members with a highly flexible, standards-compliant and cost-effective way to enter, access and modify their clearing data. Based upon and compliant to the widely used FIX (**F**inancial **I**nformation e**X**change) standard, the interface allows members to choose and deploy their own operating systems and access interfaces. The transport layer is AMQP (**A**dvanced **M**essage **Q**ueuing **P**rotocol), the syntax is FIXML.

To learn more about connecting to the Eurex Clearing FIXML Interface, please refer to the Eurex Clearing Interfaces – Connectivity documentation, which is available for download in the member section of the Eurex website.

1.1 Intended audience

This document is intended for system designers and programmers who wish to develop/adapt their client application to interact with the services offered by the Eurex Clearing FIXML Interface. It assumes that readers have a basic understanding of FIXML.

1.2 Eurex Clearing FIXML Interface documentation

The Eurex Clearing FIXML Interface documentation is organized as follows:

- Volume 1: Overview
- Volume 3: Transaction & Position Confirmation
- Volume 4: Transaction & Position Maintenance
- **Volume 5: Public Broadcasts** (this document)
- Volume 6: Message Samples

All documents are available for download on the Eurex Clearing website www.eurex.com/ec-en/ under the following path:

Support > Initiatives & Releases > C7 Releases > related release > System documentation > Interfaces

1.3 Eurex Clearing Messaging Interfaces – Connectivity documentation

The Eurex Clearing FIXML Interface, Eurex Clearing FpML Interface and Margin Calculator share common connectivity documents for AMQP and WebSphere MQ:

- A: Overview
- B: AMQP Programming Guide
- E: AMQP Setup & Internals

All “Eurex Clearing Messaging Interfaces – Connectivity” documents are available for download on the Eurex Clearing website www.eurex.com/ec-en/ under the following path:

Support > Technology > C7 > Messaging Interfaces Connectivity

1.4 Conventions used in this document

Cross references to other chapters within this document are always clickable, but not marked separately.
Hyperlinks to websites are underlined.

Changes applied to this document after the last version has been published (other than grammar/spelling corrections) are marked with a change bar in the left margin as demonstrated in this paragraph. Old change bars will be removed from version to version.

1.5 Valid values for FIXML fields

The message structures printed below contain valid values for the FIXML fields described. Please note that the respective column is only filled if the list of valid values is limited. Whenever the column is empty for a given field, all values specified by the FIXML standard may be used.

1.6 FIX version

The Eurex Clearing FIXML Interface follows **FIX Version 5.0 SP2** with Extension Packs. In a few instances, additional valid values have been specified. To learn more about the standard, visit the FIX Protocol's website at:

https://www.fixtrading.org/standards/fix-5-0-sp-2/

The latest FIX version with extensions is available at https://fixtrading.org/packages/latest-fiximate.

2 End-of-assignment

2.1 Introduction

Members receive assignment information before the batch starts. The end of the assignment process, per product, is indicated by the transmission of a product-specific “end-of assignment” message to Eurex Members.

The end of the assignment process is indicated for (1) all options products and finally for (2) all products.

2.2 End-of-assignment: Product

The product-specific end of assignment is indicated via *TradingSessionStatus* messages:

Always present, Optionally present ↓

FIXML Name	Field/Component Name	Valid Values	FIX Tag	Presence	Remarks
TrdgSesStat		–	–		
SesID	TradingSessionID	1=Day	336	A	
Stat	TradSesStatus	3=Closed	340	A	
TradSesEvent	TradSesEvent	200=End of Assignment	1368	A	
TrdDt	TradeDate		75	A	
Hdr	Standard Header	–	–	–	
SID	SenderCompID	ECAG, ECC	49	A	
Snt	SendingTime		52	A	
Instrmt	Instrument	–	–		
Sym	Symbol		55	A	

2.3 End-of-assignment: All options

Once all end-of-assignment message for options have been sent, a final *TradingSessionStatus* message is sent indicating the overall end of assignment for options products. This is indicated by *SecurityType=OPT:*

Always present, Optionally present ↓

FIXML Name	Field/Component Name	Valid Values	FIX Tag	Presence	Remarks
TrdgSesStat		–	–		
SesID	TradingSessionID	1=Day	336	A	
Stat	TradSesStatus	3=Closed	340	A	
TradSesEvent	TradSesEvent	200=End of Assignment	1368	A	
TrdDt	TradeDate		75	A	

Hdr	Standard Header	–	–	–	
SID	SenderCompID	ECAG, ECC	49	A	
Snt	SendingTime		52	A	
Instrmt	Instrument	–	–		
SecTyp	SecurityType	OPT=Option	167	A	

2.4 End-of-assignment: All products

Once **all** end-of-assignment message for all products have been sent, a final *TradingSessionStatus* message is sent indicating the overall end of the assignment process. Note that no *Instrument* component is present in this message:

Always present, Optionally present ↓

FIXML Name	Field/Component Name	Valid Values	FIX Tag	Presence	Remarks
TrdgSesStat		–	–		
SesID	TradingSessionID	1=Day	336	A	
Stat	TradSesStatus	3=Closed	340	A	
TradSesEvent	TradSesEvent	200=End of Assignment	1368	A	
TrdDt	TradeDate		75	A	
Hdr	Standard Header	–	–	–	
SID	SenderCompID	ECAG, ECC	49	A	
Snt	SendingTime		52	A	

3 Capital adjustment/R-factor

When a capital adjustment affects an instrument that is the underlying instrument for a contract traded at Eurex, the ratio that is applied to exercise prices and to contract sizes is provided to members via *SecurityStatus* messages on the public broadcast. The R-factor enables members to handle the capital adjustment in their own back office systems according to guidelines provided by Eurex.

3.1 R-factor message structure

R-factor and position conversion factor are sent in a *SecurityStatus* message:

Always present, Optionally present ↓

FIXML Name	Field/Component Name	Valid Values	FIX Tag	Presence	Remarks
SecStat		–	–		
SecTrdEvnt	SecurityTradingEvent	9=Corporate Action	1174	A	
Hdr	Standard Header	–	–	–	
SID	SenderCompID	ECAG, ECC	49	A	
Snt	SendingTime		52	A	SendingTime will be sent in UTC
Instrmt	Instrument	–	–		
Sym	Symbol		55	A	
StrkMult	StrikeMultiplier		967	A	R-Factor
Evnt	EvntGrp	–	–	A	
EventTyp	EventType	5=Activation	865	A	
Dt	EventDate		866	A	

4 Contract changes

SecurityListUpdateReport messages are sent for each addition or deletion of a contract.

When the contract specifications for a particular series change due to capital adjustment, “change” messages are sent. The effective date for all added, modified, and deleted contracts will be reported in the field ClearingBusinessDate (FIX tag 715).

In case of corrections to previously sent messages, a new message with updated SendingTime (FIX tag 52) will be provided.

4.1 Contract add message structure

When a new contract (standard or LEPO) is added by Eurex for trading, the contract specifications are sent in *SecurityListUpdateReport* messages:

Always present, Optionally present ↓

FIXML Name	Field/Component Name	Valid Values	FIX Tag	Presence	Remarks
SecListUpd		–	–	–	
Hdr	Standard Header	–	–	–	
SID	SenderCompID	ECAG, ECC	49	A	
Snt	SendingTime		52	A	SendingTime will be sent in UTC
BizDt	ClearingBusinessDate		715	A	
SecL	SecLstUpdRelSymGrp	–	–	–	
ListUpdActn	ListUpdateAction	A=Add	1324	A	
Instrmt	Instrument	–	–	–	
AID	SecAltIDGrp	–	–	–	
AltID	SecurityAltID	“3432535325”	455	A	Unique technical contract ID, as submitted by T7
AltIDSrc	SecurityAltIDSource	Always set to “M”	456	A	Source of the technical contract ID
Sym	Symbol		55	A	
FlexInd	FlexibleIndicator	Y/N	1244	A	Set to Y if the contract is flexible contract. Set to N if the contract is standard contract.
ContractDate	ContractDate	<YYYY-MM-DD>	30866	A	Date used to identify the instrument (YYYY-MM-DD)
MMY	MaturityMonthYear		200	O	
MatDt	MaturityDate	<YYYY-MM-DD>	541	A	
Status	SecurityStatus	1=Active	965	A	
StrkPx	StrikePrice		202	O	Always present for options.
OptAt	OptAttribute		206	O	Version number of an options series, always present for options.

	Mult	ContractMultiplier		231	A	
	SettlMeth	SettlMethod	C=Cash Settlement P=Physical Settlement	1193	A	Indicates settlement method for flexible and standard contracts.
	ExerStyle	ExerciseStyle	0=European 1=American	1194	O	
	ContractFrequency	ContractFrequency	D=Day EOM=EndOfMonth Flex=Flex Mo=Month Wk=Week	30867	A	Indicates frequency of instrument creation
	PutCall	PutOrCall		201	O	Always present for options.

4.2 Contract change message structure

Contract changes apply to stock options/ stock futures (due to capital adjustment) and physically settled Energy Futures (BOM contracts) and to all ETD products due to contract date changes. When contract specifications are modified due to capital adjustment or physical settlement of BOM-contracts or contract date changes due to holiday addition, change information is sent via public broadcast as well.

Note that for a capital adjustment with odd lot product, the contract change message is only sent for the odd lot product. Contract changes are sent as *SecListUpdateReport* messages:

Always present, Optionally present ↓

	FIXML Name	Field/Component Name	Valid Values	FIX Tag	Presence	Remarks
	SecListUpd		–	–		
	Hdr	Standard Header	–	–	–	
	SID	SenderCompID	ECAG, ECC	49	A	
	Snt	SendingTime		52	A	SendingTime will be sent in UTC
	BizDt	ClearingBusinessDate		715	A	
	SecL	SecLstUpdRelSymGrp	–	–	–	
	ListUpdActn	ListUpdateAction	M=Modify	1324	A	
Original series	Instrmt	Instrument	–	–	–	
Original series	AID	SecAltIDGrp	–	–	–	
Original series	AltID	SecurityAltID	“3432535325”	455	A	Unique technical contract ID, as submitted by T7
Original series	AltIDSrc	SecurityAltIDSource	Always set to “M”	456	A	Source of the technical contract ID
Original series	Sym	Symbol		55	A	
Original series	FlexInd	FlexibleIndicator	Y/N	1244	A	Set to Y if the contract is flexible contract. Set to N if the contract is standard contract.

Always present, Optionally present ↓

FIXML Name	Field/Component Name	Valid Values	FIX Tag	Presence	Remarks
ContractDate	ContractDate	<YYYY-MM-DD>	30866	A	Date used to identify the instrument (YYYY-MM-DD)
MMY	MaturityMonthYear		200	O	
MatDt	MaturityDate	<YYYY-MM-DD>	541	A	
Status	SecurityStatus	2=Inactive	965	A	
StrkPx	StrikePrice		202	O	Always present for options.
OptAt	OptAttribute		206	O	Pre-change version number of the options series. Always present for options.
Mult	ContractMultiplier		231	A	
SettlMeth	SettlMethod	C=Cash Settlement P=Physical Settlement	1193	A	Indicates settlement method for flexible and standard contracts.
ExerStyle	ExerciseStyle	0=European 1=American	1194	O	
ContractFrequency	ContractFrequency	D=Day EOM=EndOfMonth Flex=Flex Mo=Month Wk=Week	30867	A	Indicates frequency of instrument creation
PutCall	PutOrCall		201	O	Always present for options.
SecL	SecLstUpdRelSymGrp	–	–	–	
ListUpdActn	ListUpdateAction	M=Modify	1324	A	
Instrmt	Instrument	–	–		
AID	SecAltIDGrp	–	–	–	
AltID	SecurityAltID	“3432535325”	455	A	Unique technical contract ID, as submitted by T7
AltIDSrc	SecurityAltIDSource	Always set to “M”	456	A	Source of the technical contract ID
Sym	Symbol		55	A	
FlexInd	FlexibleIndicator	Y/N	1244	A	Set to Y if the contract is flexible contract. Set to N if the contract is standard contract.
ContractDate	ContractDate	<YYYY-MM-DD>	30866	A	Date used to identify the instrument (YYYY-MM-DD)
MMY	MaturityMonthYear		200	O	
MatDt	MaturityDate	<YYYY-MM-DD>	541	A	

New series

Always present, Optionally present ↓

FIXML Name	Field/Component Name	Valid Values	FIX Tag	Presence	Remarks
Status	SecurityStatus	1=Active	965	A	
StrkPx	StrikePrice		202	O	Always present for options.
OptAt	OptAttribute		206	O	New version number of the options series. Always present for options.
Mult	ContractMultiplier		231	A	Trading Unit
SettlMeth	SettlMethod	C=Cash Settlement P=Physical Settlement	1193	A	Indicates settlement method for flexible and standard contracts.
ExerStyle	ExerciseStyle	0=European 1=American	1194	O	
ContractFrequency	ContractFrequency	D=Day EOM=EndOfMonth Flex=Flex Mo=Month Wk=Week	30867	A	Indicates frequency of instrument creation
PutCall	PutOrCall		201	O	Always present for options.

4.3 Contract delete message structure

Contract deletion messages are sent for:

- expiring options and futures contracts on expiration date &
- contracts deleted manually by Eurex or ECC.

Contract deletions are sent as *SecurityListUpdateReport* messages:

Always present, Optionally present ↓

FIXML Name	Field/Component Name	Valid Values	FIX Tag	Presence	Remarks
SecListUpd		–	–	–	
Hdr	Standard Header	–	–	–	
SID	SenderCompID	ECAG, ECC	49	A	
Snt	SendingTime		52	A	SendingTime will be sent in UTC
BizDt	ClearingBusinessDate		715	A	
SecL	SecLstUpdRelSymGrp	–	–	–	
ListUpdActn	ListUpdateAction	D=Delete	1324	A	
Instrmt	Instrument	–	–	–	
AID	SecAltIDGrp	–	–	–	

Always present, Optionally present ↓

FIXML Name	Field/Component Name	Valid Values	FIX Tag	Presence	Remarks
AltID	SecurityAltID	“3432535325”	455	A	Unique technical contract ID, as submitted by T7
AltIDSrc	SecurityAltIDSource	Always set to “M”	456	A	Source of the technical contract ID
Sym	Symbol		55	A	
FlexInd	FlexibleIndicator	Y/N	1244	A	Set to Y if the contract is flexible contract. Set to N if the contract is standard contract.
ContractDate	ContractDate	<YYYY-MM-DD>	30866	A	Date used to identify the instrument (YYYY-MM-DD)
MMY	MaturityMonthYear		200	O	
MatDt	MaturityDate	<YYYY-MM-DD>	541	A	
StrkPx	StrikePrice		202	O	Always present for options.
OptAt	OptAttribute		206	O	Version number of an options series, always present for options.
SettlMeth	SettlMethod	C=Cash Settlement P=Physical Settlement	1193	A	Indicates settlement method for flexible and standard contracts.
ExerStyle	ExerciseStyle	0=European 1=American	1194	O	
ContractFrequency	ContractFrequency	D=Day EOM=EndOfMonth Flex=Flex Mo=Month Wk=Week	30867	A	Indicates frequency of instrument creation
PutCall	PutOrCall		201	O	Always present for options.

5 Settlement prices

Settlement price information is sent after the end of trading each day. The settlement prices sent to members are used by Eurex and ECC in the calculation of the margin requirements of clearing members during the nightly batch run. Settlement price transactions provide members with the price information necessary to margin their customer positions, to calculate their variation margin receivable or payable and to calculate their total margin requirement to Eurex or ECC. The following types of settlement price transactions are sent:

- **Underlying Closing Price**
  The closing price of each instrument that underlies an options contract traded on Eurex or EEX is sent to member back office systems. The underlying settlement price for stock options is the closing price from the designated Stock Exchange. If no closing price is available for an underlying, Eurex or ECC determines the respective settlement price.
- **Contract Settlement Price**
  In general, the last traded prices are the basis for the settlement prices. If neither last traded prices are available within a certain period nor a settlement price can be derived from existing orders or quotes in the order book, they are determined by authorized clearing personnel at the close of trading each day. When prices are approved, the information is sent via public broadcast.
- **Contract Settlement Price Correction**
  Settlement prices as determined above are sent in *MarketDataIncrementalRefresh* messages via public broadcast. If there was an error in the price determination process, the settlement price can be corrected by authorized clearing personnel. In case of a settlement price correction all contracts for the respective product will be published with a new timestamp SendingTime (52) and MDUpdateAction (279) set to 0=New.

5.1 Settlement prices

Once settlement prices have been approved by Eurex, *MarketDataIncrementalRefresh* messages are sent via broadcast. Note that settlement price messages may be sent at any given time intraday. Prices are disseminated per product, i.e. data for all series of a product are contained in one message.

Note: The layout of the standard and flexible contracts was unified for documentation purposes. Nevertheless, there will be two separate groups of messages. One will be sent for standard contracts and one for flexible contracts.

Always present, Optionally present ↓

FIXML Name	Field/Component Name	Valid Values	FIX Tag	Presence	Remarks
MktDataInc		–	–	–	
MDFeedTyp	MDFeedType	R=Standard F=Flexible	1022	A	
TrdDt	TradeDate		75	A	
Hdr	Standard Header	–	–	–	
SID	SenderCompID	ECAG, ECC	49	A	
Snt	SendingTime		52	A	SendingTime will be sent in UTC

Always present, Optionally present ↓

FIXML Name	Field/Component Name	Valid Values	FIX Tag	Presence	Remarks
Inc	MDIncGrp	–	–	–	
UpdtAct	MDUpdateAction	0=New	279	A	
Typ	MDEntryType	6=Settlement Price	269	A	
Px	MDEntryPx		270	A	
Instrmt	Instrument	–	–	–	
AID	SecAltIDGrp	–	–	–	
AltID	SecurityAltID	“3432535325”	455	A	Unique technical contract ID, as submitted by T7
AltIDSrc	SecurityAltIDSource	Always set to “M”	456	A	Source of the technical contract ID
Sym	Symbol		55	A	
ProdCmplx	ProductComplex		1227	A	Synthetical flexible product ID (e.g. OD8X)
FlexInd	FlexibleIndicator	Y/N	1244	A	Set to Y if the contract is flexible contract. Set to N if the contract is standard contract.
MMY	MaturityMonthYear	<YYYYMM>	200	O	
ContractDate	ContractDate	<YYYY-MM-DD>	30866	A	Date used to identify the instrument (YYYY-MM-DD).
MatDt	MaturityDate	<YYYY-MM-DD>	541	A	
StrkPx	StrikePrice		202	O	
OptAt	OptAttribute		206		
SettlMeth	SettlMethod	C=Cash Settlement P=Physical Settlement	1193	A	Indicates settlement method for flexible and standard contracts.
ExerStyle	ExerciseStyle	0=European 1=American	1194	O	
ContractFrequency	ContractFrequency	D=Day EOM=EndOfMonth Flex=Flex Mo=Month Wk=Week	30867	A	Indicates frequency of instrument creation.
PutCall	PutOrCall		201	O	

Repeating group, *n*-times

In order to reduce message size, full *Instrument* groups are only sent in the first *MDIncGrp*. Subsequent *Instrument* groups contain only fields that are different to the first group, e.g. *StrikePrice* and *SecurityAltID.*

5.2 Underlying closing price

The Underlying Closing Price will be disseminated via *MarketDataSnapshotFullRefresh* messages:

Always present, Optionally present ↓

FIXML Name	Field/Component Name	Valid Values	FIX Tag	Presence	Remarks
MktDataFull		–	–		
TrdDt	TradeDate		75	A	
Hdr	Standard Header	–	–		
SID	SenderCompID	ECAG, ECC	49	A	
Snt	SendingTime		52	A	SendingTime will be sent in UTC
Instrmt	Instrument	–	–		
Sym	Symbol		55	A	
Full	MDFullGrp	–	–		
Typ	MDEntryType	5=Closing Price	269	A	
Px	MDEntryPx		270		

5.3 Final settlement prices

Final settlement prices are sent in *MarketDataSnapshotFullRefresh* messages:

Always present, Optionally present ↓

FIXML Name	Field/Component Name	Valid Values	FIX Tag	Presence	Remarks
MktDataFull		–	–		
TrdDt	TradeDate		75	A	
Hdr	Standard Header	–	–	–	
SID	SenderCompID	ECAG, ECC	49	A	
Snt	SendingTime		52	A	SendingTime will be sent in UTC
Instrmt	Instrument	–	–		
Sym	Symbol		55	A	
Full	MDFullGrp	–	–		
Typ	MDEntryType	6=Settlement Price	269	A	
Px	MDEntryPx		270	A	

Note: Since C7 Release 7.0.1 Final Settlement Prices are no longer available for futures.

6 Settlement prices due to special cases

Settlement price corrections for special cases can occur. The corrected price as well as the details of the correction are sent in a MarketDataIncrementalRefresh message. The message always contains exactly two MDIncGrp, i.e. the unadjusted and the adjusted price for one contract are sent. The messages are sent intra-day, as a public broadcast.

Note: The layout of the standard and flexible contracts was unified for documentation purposes. Nevertheless, there will be two separate groups of messages for standard contracts and flexible contracts.

6.1 Settlement price corrections

FIXML Name	Field/Component Name	Valid Values	FIX Tag	Prese	Remarks
MktDataInc		–	–	–	
MDFeedTyp	MDFeedType	R=Standard F=Flexible	1022	A	
TrdDt	TradeDate		75	A	Effective Business Date
Hdr	Standard Header	–	–	–	
SID	SenderCompID	ECAG	49	A	
Snt	SendingTime		52	A	SendingTime will be sent in UTC
Inc	MDIncGrp	–	–	–	
UpdtAct	MDUpdateAction	0=New	279	A	
Typ	MDEntryType	6=Settlement Price	269	A	
Px	MDEntryPx		270	A	Adjusted settlement price
NetChgPrevDay	NetChgPrevDay		451	O	Dividend amount (provided only for Stock Tracking Futures)
SetPxAdjmtInd	SettlPriceAdjustmentIndicator	1=Adjusted	29017	O	Indicates that the price in *MDEntryPx* is the price after adjustment.
CorpAcnFctr	CorporateActionFactor		25157	O	R-Factor multiplier for adjustment of the settlement price.
Instrmt	Instrument	–	–		
AID	SecAltIDGrp	–	–	–	
AltID	SecurityAltID	“3432535325”	455	A	Unique technical contract ID, as submitted by T7
AltIDSrc	SecurityAltIDSource	Always set to “M”	456	A	Source of the technical contract ID
Sym	Symbol		55	A	
ProdCmplx	Product Complex		1227		
FlexInd	FlexibleIndicator	Y/N	1244	A	Set to Y if the contract is flexible contract. Set to N if the contract is standard contract.

Adjusted Price

	ContractDate	ContractDate	<YYYY-MM-DD>	30866	A	Date used to identify the instrument (YYYY-MM-DD)
	MMY	MaturityMonthYear	<YYYYMM>	200	O	
	MatDt	MaturityDate	<YYYY-MM-DD>	541	A	
	StrkPx	StrikePrice		202	O	
	OptAt	OptAttribute		206	O	
	ExerStyle	ExerciseStyle	0=European 1=American	1194	O	
	PutCall	PutOrCall		201	O	
	ContractFrequency	ContractFrequency	D=Day EOM=EndOfMonth Flex=Flex Mo=Month Wk=Week	30867	A	Indicates frequency of instrument creation
	SettlMeth	SettlMethod		1193	A	
Inc		MDIncGrp	–	–	–	
	UpdtAct	MDUpdateAction	1=Change	279	A	
	Typ	MDEntryType	6=Settlement Price	269	A	
	Px	MDEntryPx		270	A	Unadjusted settlement price
	NetChgPrevDay	NetChgPrevDay		451	O	Dividend amount (relevant only for Stock Tracking Futures)
	SetPxAdjmtIInd	SettlPriceAdjustmentIndicator	0=Unadjusted	29017		Indicates that the price in *MDEntryPx* is the price before adjustment.
	CorpAcnFctr	CorporateActionFactor		25157	O	R-Factor multiplier for adjustment of the settlement price.
	Instrmt	Instrument	–	–		
	AID	SecAltIDGrp	–	–	–	
	AltID	SecurityAltID	“3432535325”	455	A	Unique technical contract ID, as submitted by T7
	AltIDSrc	SecurityAltIDSource	Always set to “M”	456	A	Source of the technical contract ID
	Sym	Symbol		55	A	
	ProdCmplx	Product Complex		1227	O	
	FlexInd	FlexibleIndicator	Y/N	1244	A	Set to Y if the contract is flexible contract. Set to N if the contract is standard contract.
	ContractDate	ContractDate	<YYYY-MM-DD>	30866	A	Date used to identify the instrument (YYYY-MM-DD)
	MMY	MaturityMonthYear	<YYYYMM>	200	O	
	MatDt	MaturityDate	<YYYY-MM-DD>	541	A	

Unadjusted Price

StrkPx	StrikePrice		202	O	
OptAt	OptAttribute		206	O	
ExerStyle	ExerciseStyle	0=European 1=American	1194	O	
PutCall	PutOrCall		201	O	
ContractFrequency	ContractFrequency	D=Day EOM=EndOfMonth Flex=Flex Mo=Month Wk=Week	30867	A	Indicates frequency of instrument creation
SettlMeth	SettlMethod		1193	A	

6.2 Usage of the MktDataInc Message per Use Case

Settlement price corrections in this context are adjustments due to product specific features. In order that the adjustments are cash flow effective, opening and closing technical transactions are booked. The parameters used for the generation of the technical transactions are described in the tables below.

Opening Technical Transaction for	MDUpdate Action (279)	MDEntryType (269)	MDEntryPx (270)	NetChgPrevDay (451)	SettlPriceAdjustment Indicator (29017)	CorporateActionFactor (25157)
FX Rolling Spot	0=New	6= Settlement Price	Booking-In price	*not present*	1=Adjusted	*Not present*
Stock Tracking Futures	0=New	6= Settlement Price	It will contain the STF adjusted Price. *STF Adjusted Price= Eurex Prev. Day Settl. Price – Dividend Amount* *or* *Previous Booking-Out price in case of corrections of corrections*	It will equal the Dividend Amount	1=Adjusted	*Not present*

Closing Technical Transaction for	MDUpdate Action (279)	MDEntryType (269)	MDEntryPx (270)	NetChgPrevDay (451)	SettlPriceAdjustmentIndicator (29017)	CorporateActionFactor (25157)
FX Rolling Spot	1=Change	6= Settlement Price	Booking-Out price	*not present*	0=Unadjusted	*Not present*
Stock Tracking Futures	1=Change	6= Settlement Price	It will contain the unadjusted price, which will be equal Eurex Previous Day Settlement Price *or* *Previous Booking-Out price in case of corrections of corrections*	It will equal the Dividend Amount	0=Unadjusted	*Not present*

7 Appendix – dictionary of user-defined fields and values

The Eurex Clearing FIXML Interface uses a small amount of user-defined values and fields, which are listed below. As a committed member of the FIX community, Eurex will work closely with all concerned bodies towards transitioning user-defined fields in the protocol specification and/or adapting the Eurex Clearing FIXML Interface to match the specification as closely as possible.

7.1 User-defined fields

FIX Tag	Field	Field Name	Data Type	Valid Values	Used in
29017	SetPxAdjmtIInd	SettlPriceAdjustmentIndicator	Char	See 6	MarketDataIncrementalRefresh message
25157	CorpAcnFctr	CorporateActionFactor	PriceOffset	See 6	MarketDataIncrementalRefresh message
30866	ContractDate	ContractDate	LocalMktDate	See 4.1 and 6	SecurityListUpdateReport MarketDataIncrementalRefresh
30867	ContractFrequency	ContractFrequency	String	See 4.1 and 6	SecurityListUpdateReport MarketDataIncrementalRefresh