

# **Agenda**

1 Release Rollout Approach for 2024

2 EurexOTC Clear Release 18.0 – Key Dates & Documentation

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4 Questions & Answers



# Release Rollout Approach for 2024

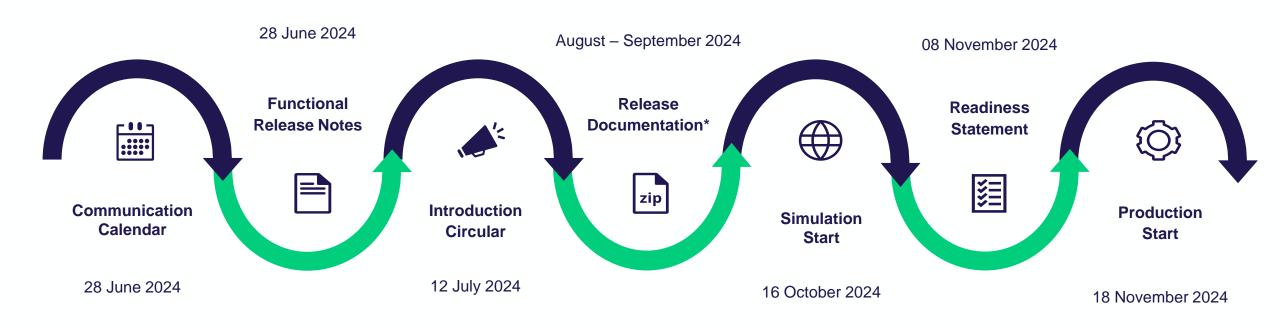






# **Key Dates & Information**

### **EurexOTC Clear Release 18.0**



<sup>\*</sup>Detailed information on the name of documents can be found in communication calendar

# EurexOTC Clear Release 18.0 -Scope Items

Sco	Scope Items			
1.	Enhancement of Inflation Linked Asset Swaps			
2.	Introduction of Clearing "Linked Trades" via MarkitWire			
3.	Transfer with optional Mark-to-Market (MTM) Adjustment			
4.	Enhancement of Variation Margin calculation for trades referencing GBP-SONIA-OIS Compound and EUR-EuroSTR-OIS Compound indices and having intraday coupon settlement			
5.	Change in the timing to mature the trades			
6.	GUI Changes			
7.	API Changes			
8.	Report Changes			

### **Enhancement of Inflation Linked Asset Swaps**

- Inflation linked asset swaps will be enhanced:
  - Supported inflation indices: HICPxt , FRCPIxT, UK RPI
  - Supported Trade Submission Interfaces: MarkitWire Interface and TE API
  - Supported Margin Simulation Interfaces: MC API & MC GUI
  - Partial PTEs allowed via OTC GUI & FpML API



### Introduction of Clearing "Linked Trades" via MarkitWire

- Two new fields, Linker ID and Linker Size, to be introduced by MW
- The trades linked with the same Linker ID can be submitted for clearing
- Functionality is optional for Clearing Members and their clients and will be disabled by default



### **Enhancement of Inflation Linked Asset Swaps**

	Implementation Scope	Phase 1 → OTC Clear R17.0	Phase 2 → OTC Clear R18.0
Timeline &	Go-Live	PROD → 17 June 2024 UAT → 18 May 2024	PROD → 18 November 2024 UAT → 09 October 2024
Interface	Supported Trade Submission Interface	MarkitWire Interface	MarkitWire Interface
Eligibility	Supported Inflation Index	EUR-HICPxT	EUR-HICPxT EUR-FRCPIxT GBP-UKRPI
Criteria	Supported Stub Period	None	Max one stub per leg*
	Supported Calculation Method	Ratio (CPIt / CPI0)**	Ratio (CPIt / CPI0)**
	Supported Calculation Style	ZeroCoupon	ZeroCoupon
	Netting Eligibility	None	Level → 1, 2 & 3
Additional	PTE Performed Via	OTC GUI & FpML-API	OTC GUI & FpML-API
Updates	PTE MarkitWire Synchronization	Enabled	Enabled
	OTC Margin Calculator GUI / API	Supported / Not Supported	Supported / Supported
	Support Linker ID***	None	Supported

<sup>\*</sup> In case each leg has one stub period, then both stubs must be of the same type (front or back)

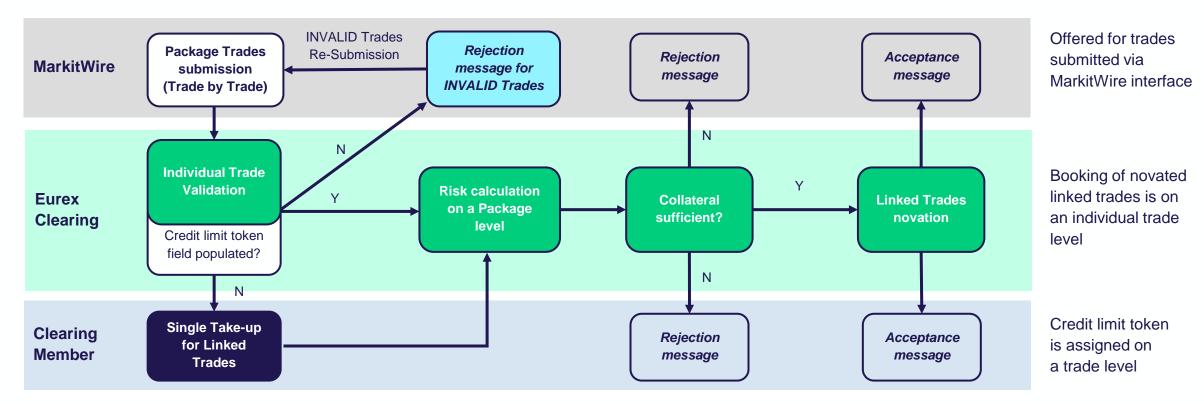
<sup>\*\*\*</sup> Linkage between Fixed & Floating swap & Standard Coupon Inflation Swap; Business Go-Live: 6th January 2025



<sup>\*\*</sup> CPIt → Current Inflation Index, CPI0 → Initial Inflation Index

# OTC Clear Service - Clearing "Linked Trades" via MarkitWire

### Workflow



Single Take-up Request should be transmitted – Take-Up via FpML API

# OTC Clear Service - Clearing "Linked Trades" via MarkitWire



- MarkitWire has introduced two new fields to its trade submission schema: PackageIdentifier and Size
- Maximum 200 bilateral trades can be linked with a single Package ID and submitted on a Trade-by-Trade basis
- The margin requirement is calculated on a Package level, i.e., all trades linked via a Package ID
- All trades are novated within 10 seconds on All-or-Nothing basis
- All linked trades should be requested to be cleared under the same account at ECAG
- To prevent regulatory reporting discrepancies, ECAG will populate the MarkitWire-provided Package ID into a new field called Linker ID in the trade notification message
- The functionality is entirely optional
- It can be switched on or off for clients and CB by contacting the ECAG support team
- Clients cannot utilize this functionality unless their CBs are enabled for this functionality
- By default, all clients and CBs at ECAG have the functionality disabled as of Go-Live

# OTC Clear Service - Clearing "Linked Trades" via MarkitWire



- Be able to ingest and process updated trade notification messages, including linked trade-related tags (Linker ID, Linker Size)
- Be able to consume updated daily trade reports, including linked trade-related information (CI200/CB200, CI201/CB201, CB202/CB207, CI205/CB205)
- Be able to process and respond to Linked Trade Take-Up notifications (for deals not allocated with credit limit token)
- Enhancement: EurexOTC Clear Release 19.0 (May 2025)
   ECAG will generate a single take-up message for all trades linked with a common Package ID.

# **Transfer with Optional Mark-to-Market (MTM) Adjustment**

Enhancement of the trade, account, and portfolio transfer functionalities to move the NPV together with the trade



### **Current State**

- Trade transfer is processed by termination of existing trade in the source account and creation of a new trade in the target account.
- The transfer of the NPV from the terminated to the new trade results in large variation margin spikes and might require pre-funding.
- Possible workaround is the manual entry of a transfer fee to compensate the trade value.



### **Future Solution**

- Optional "MTM Adjustment" for account transfer, trade transfer and portfolio transfer
- If requested, OTCClear will automatically attach a "MTM Adjustment" to the trade which compensates the trade value and allows trade transfer without funding of NPV
- MTM Adjustment amount equals MTM (T-1) of the terminated trade



# **Transfer with Optional Mark-to-Market (MTM) Adjustment**

Sample for current processing – without fees to compensate trade value

	T-1	Т	Т	T+1
CM	CM (old)	CM (old)	CM (new)	CM (new)
DC	DC1	DC1	DC1	DC1
CCPTradeID	12345	12345	56789	5678
PrePTEId			12345	12345
PostPTEId		56789		
CCP Trade Status	VERIFIED	TERMINATED	VERIFIED	VERIFIED
MTM_exCF (T)	2.145.308,88	0,00	2.146.346,78	2.146.678,67
MTM_exCF (T-1)	2.145.000,00	2.145.308,88	0,00	2.146.346,78
VM	308,88	-2.145.308,88	2.146.346,78	331,89



# **Transfer with Optional Mark-to-Market (MTM) Adjustment**

Sample for future processing – trade transfer with MTM Adjustment

	T - 1	т	Т	T+1
CM	CM (old)	CM (old)	CM (new)	CM (new)
DC	DC1	DC1	DC1	DC1
CCPTradeID	12345	12345	56789	5678
PrePTEId			12345	12345
PostPTEId		56789		
CCP Trade Status	VERIFIED	TERMINATED	VERIFIED	VERIFIED
MTM_exCF (T)	2.145.308,88	0,00	2.146.346,78	2.146.678,67
MTM_exCF (T-1)	2.145.000,00	2.145.308,88	0,00	2.146.346,78
VM		-2.145.308,88	2.146.346,78	331,89
MTM Adjustment		2.145.308,88	-2.145.308,88	
Adjusted VM		0,00	1.037,90	

# **Transfer with Optional Mark-to-Market (MTM) Adjustment**

### MTM Adjustment Amount

- For the source side, MTM Adjustment amount equals MTM\_exCF (T-1) of the terminated trade
- For the target side, MTM Adjustment amount = MTM\_exCF (T-1) of the terminated trade

### Process Transparency

- Both the initiating and the receiving Clearing Members will be required to confirm the transfer (4-EP) with "MTM Adjustment"
- The "MTM Adjustment" amount will be visible for the transferring parties throughout the transfer workflow and after successful processing of the transfer on the terminated and newly created trade (incl. member reporting, OTC Clear GUI, and notification broadcast messages)

### Cash Transactions/ Payments

- During end-of-day, "MTM Adjustment" will be instructed alongside variation margin and results in a variation margin of 0 for the source member calculated on T
- For the target side, the "MTM Adjustment" results in an adjusted variation margin as if the trade was not transferred

# **Transfer with Optional Mark-to-Market (MTM) Adjustment**

### PAI

PAI will be calculated for the source Clearing Member

### **Limitations**

- MTM Adjustment will not be available for newly novated trades (same day novation); these must be transferred without MTM Adjustment
- Only supported for same-day transfer (i.e., not supported for transfers with future effective date)

### Reporting

- Where applicable, MTM Adjustment amount will be included in FpML broadcast messages, i.e., trade notification and in the account and trade transfer request message, and will be displayed in various OTCClear GUI windows
- Two new fields, <MtMAdjustment> and <UnadjVMgn> will be added to OTC reports. For more details, see the sample slides in the appendix
- XML reports and FpML messages: the tag will not be available if not filled
- MTM Adjustment information will be provided on the transfer date only

# Enhancement of Variation Margin calculation for trades referencing GBP-SONIA-OIS Compound and EUR-EuroSTR-OIS Compound indices and having intraday coupon settlement

 The calculation of intraday Variation Margin will be enhanced on the day of the intraday Coupon settlement



- If there is any intraday Coupon payment on T, Coupon payment will be considered in the intraday Variation Margin calculation before the intraday settlement >> MtMexCF(T) = MtMexCF(T) + Cashflow(T)\*
- There will also be an intraday Variation Margin payment that mainly offsets the Coupon payment

### Change in the timing to mature the trades

 Broadcast messages for matured trades will be sent during start of business on the value date of the last coupon payment



 Broadcast message for GBP SONIA matured trades with payment lag '0' or any other trade with intra-day coupon settlement of the last coupon will be sent during intra-day

### **API Changes**

**Enhancement of Inflation Linked Asset Swaps** 



- Trade Loading via MC API & Trade Entry API will be supported
- Partial PTEs via FpML-API will be allowed: Partial Termination and Trade
   Amendment with Splits for SCIS trades with same notional amounts in both legs
- The trade notification messages will be updated to display the linker ID and the linker size

Introduction of "MtM Adjustment"



- A new field MtMAdjustment will be included in the trade notification messages
- MtM Adjustment via FpML-API will be supported only for the following PTEs :
  - Trade Transfer
  - Account Transfer
- Additionally, two new fields, MtMAdjustmentFlag and MtMAdjustment, will be included in the messages related to the PTEs

### **Report Changes (1/3)**

### **Enhancement of Inflation Linked Asset Swaps**

 Netting of SCIS trades will be allowed for all Netting Levels (1,2,3). The netting outcome will be reflected in the existing Netting Reports

### Introduction of a new field for MTM Adjustment

- A new field "MtMAdjustment" will be added to several reports to reflect the MTM Adjustment amount
- "MtMAdjustment" and "UnadjVMgn" fields will be introduced in CC203/CC222

### **Affected Reports**

Report Name	Code
Netting Forecast Report	Cl242, Cl262
Netting Portfolio Forecast Report	Cl243, Cl263
Netting Portfolio Forecast Report	Cl253, Cl273
Netting Report	CC244, CC264
Trade Novation Report	CI200 / CB200
Trade Daily Summary Report	CI201 / CB201
Full Inventory Report	CB202/CB207
Variation Margin Report	CC203 / CC222

### Report Changes (2/3)

# Introduction of Clearing "Linked Trades" via MarkitWire

As part of the Linkage Trade Functionality, IRS and SCIS trades that are linked by an identifier named "linkerId" will be visible in several member reports

### Introduction of new fields for VIRS

Two new fields, 'PayLegCurrentNotional' and 'ReceiveLegCurrentNotional, will be added to the Full Inventory Report show the current notional amount of Variable Notional IRS

### Trades that mature on day of clearer change

Trades that mature on the current business day will be reported on CB201 with status MATURED, and they will not be visible in EOD Variation Margin Reports anymore

### **Affected Reports**

Report Name	Code
Trade Novation	CI200/CB200
Trade Daily Summary	CI201/CB201
Incremental Risk Report	CI205/CB205
Full Inventory Report	CB202/CB207
Variation Margin Report	CC203/CC222

### Report Changes (3/3)

### Introduction of three new fields in CD211 report

- 3 new fields, rateIndex, fixingRate, and principalAmount, will be added to the Settlement Adjustment Report
- Settlement Adjustment Report ITD (CI211): New intraday version of the Settlement Adjustment Report having the same fields as CD211 and aiming at informing members in advance about the upcoming EoD correction bookings

### Reintroduction of Cl203 Intraday Variation Margin Report

 For intraday Coupon payments, there will be introduction of intraday VM payment that mainly offsets the coupon payment.
 The intraday VM payment will be shown in Cl203 Intraday Variation Margin Report

### **Affected Reports**

Report

Report Name	Code	
Settlement Adjustment	CD21	
Intraday Variation Margin	01000	



# **GUI Changes**

### **OTC GUI**

- Further enhancements, incl. addition of new columns to the Cashflows Window, to support the Inflation linked asset swaps
- Introduction of two new fields for Account, Trade, and Portfolio Transfer: MtM Adjustment and MtM Adjustment Amount
- Character limitation of netting strings up to 255 characters
- Display the full name of legal entities



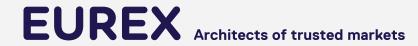
### MC GUI

- Further enhancement of the MC GUI to support the Inflation linked asset swaps
  - A new subproduct "SCIS" added to the product list of the Clearing Eligibility Checker
  - Enhancement of the trade upload functionality in the MC-GUI to process the upload of SCIS trades with stubs and with the indices FRCPIx and UK RPI
  - The Trade Insert Tool will support the creation of SCIS trades



24 9 October 2024







# Thank you!

**Clearing Competence Center** 

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# **Appendix**

EUREX 27 9 October 2024

# **OTC** Transfer with optional "MTM Adjustment"

### **Enhancement of Trade/Account Transfer functionality**

### Sample extract of CC203 of terminated trade

```
<CleanPrice>0</CleanPrice>
<DirtyPrice>0</DirtyPrice>
<CleanPrice_exFee>0</CleanPrice_exFee>
<CleanPrice_exFee_add1>0</CleanPrice_exFee_add1>
<MtM-1>2145308.88</MtM-1>
<MtM0>0.00</MtM0>
<VMgn>0.00</VMgn>
<MtMAdjustment>2145308.88</MtMAdjustment>
<UnadjVMgn>-2145308.88</UnadjVMgn>
<PAI>-256.25</PAI>
<OISrate>0.043</OISrate>
<noOfDays>1</noOfDays>
<MtM-2_exCF/>
<MtM-1_exCF>2145308.88</MtM-1_exCF>
<MtM0 exCF>0.00</mtm0 exCF>
```

### **Sample extract of CB201 of terminated trade**

```
<USIIssuer>1050000007</USIIssuer>
<ptrrid>529900LN3S50JPU47S06TRADETRANSFER12345</ptrrid>
<MtMAdjustment>2145308.88</MtMAdjustment>
</CCPTradeDetails>
</CCPTradeId>
```

### Sample extract of CC203 of verified post PTE trade

```
<CleanPrice>21.44900000/CleanPrice>
<DirtyPrice>21.46346780/DirtyPrice>
<CleanPrice_exFee>21.44900000/CleanPrice_exFee>
<CleanPrice_exFee_add1>21.44900000/CleanPrice_exFee_add1>
<mtm-1>0.00/Mtm-1>
<mtm0>2146346.78/Mtm0>
<VMgn>1037.90/VMgn>
<mtmAdjustment>-2145308.88/MtmAdjustment>
<UnadjVMgn>2146346.78/UnadjVMgn>
<PAI>0.00</pai>
<OISrate>0.043</oISrate>
<noofDays>1</noofDays>
<mtm-2_exCF/>
<mtm-1_exCF>0.00</mtm-1_exCF>
<mtm0 exCF>2146346.78</mtm0 exCF>
```

### Sample extract of CB201 of verified post PTE trade

```
<USIIssuer>1050000007</USIIssuer>
<ptrrid>529900LN3S50JPU47S06TRADETRANSFER12345</ptrrid>
<MtMAdjustment>-2145308.88</MtMAdjustment>
</CCPTradeDetails>
</CCPTradeId>
```

# Transfer with optional "MTM Adjustment"

# **Envisaged reporting of MTM Adjustment on OTC Reports**

New field(s) for MtM Adjustment in Reports:	XML or CSV	Example	Field position
Variation Margin Report, CC203/CC222	XML	<mtmadjustment>2145308.88</mtmadjustment> <unadjvmgn>-2145308.88</unadjvmgn>	After field VMgn
Variation Margin Report, CC203	CSV	Field Names: MtMAdjustment and UnadjVMgn	At the end of the file
Trade Novation Report, Cl200/CB200	XML	<mtmadjustment>2145308.88</mtmadjustment>	After field ptrrld
Trade Daily Summary Report, CI201/CB201	XML	<mtmadjustment>2145308.88</mtmadjustment>	After field ptrrld
Full Inventory Report, CB202/CB207	XML	<mtmadjustment>2145308.88</mtmadjustment>	After field ptrrld
Trade Daily Summary Report CB201 (not yet available)	CSV	Field Name: MtMAdjustment	After field: PTRRID
Full Inventory Report, CB202 (not yet available)	CSV	Field Name: MtMAdjustment	After field: PTRRID

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