Eurex Clearing C7

Release Notes

Release: 6.1
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<td>C7</td>
<td>Eurex Clearing System</td>
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<tr>
<td>CFTC</td>
<td>U.S. Commodity Futures Trading Commission</td>
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<td>CM</td>
<td>Clearing Member</td>
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<tr>
<td>DC Market Participant</td>
<td>Disclosed Client Market Participant (formerly known as NCM)</td>
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<td>EBB</td>
<td>Equity Bespoke Baskets</td>
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<tr>
<td>EDP</td>
<td>Electronic Data Processing</td>
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<tr>
<td>GUI</td>
<td>Graphical User Interface</td>
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<tr>
<td>QTPIP</td>
<td>Qualified Third Party Information Provider</td>
</tr>
<tr>
<td>T7</td>
<td>Eurex Trading System</td>
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<td>TES</td>
<td>Trade Entry Service</td>
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1 Introduction

This document provides an overview of the functionality made available with C7 Release 6.1.

Important

This release is a mandatory release for all Members of Eurex Clearing, i.e. Clearing Members and DC Market Participants.

1.1 Readiness Statement

According to §10 (3) (ii) of the General Terms and Conditions to the Agreement on Technical Connection to the Clearing Electronic Data Processing (EDP) of Eurex Clearing AG, Clearing Members are obliged to provide Eurex Clearing prior to the first use of the updated service of Eurex Clearing’s C7 with a written statement confirming that (a) the updated service of Eurex Clearing’s C7 successfully passed internal test procedures, and (b) the participant system and the participant software interact with the updated service of Eurex Clearing’s C7 without any errors or interruptions.

Participation in the C7 Release 6.1 release simulation and testing phase is optional, but highly recommended especially for report and interface changes.

1.2 Related Documents

All documents which will be updated in connection with the introduction of C7 Release 6.1 will be made available for download on the Eurex Clearing website under the following path:

www.eurexclearing.com => Technology => Eurex Clearing’s C7 => System Documentation

Details on the publication dates can be found in the “Eurex Clearing Member Communication Calendar” also available under the following path:

www.eurexclearing.com => Technology => Eurex Clearing’s C7 => System Documentation => Overview & Functionality
2 Overview C7 Release 6.1

Eurex Clearing is planning to launch C7 Release 6.1 on 29 June 2020. The following diagram gives an overview of the introduction schedule:

Eurex Clearing provides a dedicated release simulation environment to give participants the opportunity to perform comprehensive testing of their applications, independent from the C7 production environment. The simulation period for C7 Release 6.1 is planned to start on 4 May 2020.

2.1 Overview Functional Changes

C7 Release 6.1 covers the following functional changes for introduction date 29 June 2020:

- Persistence of Strategy Details post Transaction Events
- New TES Trade Type (BLOCK_QTPIP)
- Equity Bespoke Baskets for Futures
- FIXML Broker Move

The following enhancements on reporting are not part of C7 Release 6.1. They will be introduced earlier in Q1 2020 and cover important changes which have to be taken into account:

- Changes to CD230 “Monthly Interest Report”
- New report CD231 “Daily Preliminary Interest Report”
2.1.1 Report changes

The table below gives an overview of the reports impacted by the introduction of new functionality/enhancement:

<table>
<thead>
<tr>
<th>Functionality</th>
<th>Report</th>
<th>Date</th>
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<tbody>
<tr>
<td>Porting the interest of cash functionality to Eurex Clearing's C7 CMS</td>
<td>CD230 Monthly Interest Report</td>
<td>First quarter 2020</td>
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<td>CD231 Daily Preliminary Interest Report (new report)</td>
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<td>Persistence of Strategy Details post Transaction Events</td>
<td>CB012 Account Statement</td>
<td>Production change 14.09.2020</td>
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<td>CB715 Average Pricing</td>
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<td></td>
<td>CB750 Give-Up Trades Overview</td>
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<td></td>
<td>CB751 Take-Up Trades Overview</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CB013 Account Statement – ECC</td>
<td></td>
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<tr>
<td></td>
<td>CI012 Account Statement - ECC</td>
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<tr>
<td>New TES Trade Type (BLOCK_QTPIP)</td>
<td>CB001 Product and Price Report</td>
<td>C7 Release 6.1</td>
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<tr>
<td></td>
<td>CB012 Account Statement</td>
<td>Simulation start 04.05.2020</td>
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<td>CB013 Account Statement - ECC</td>
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<td>CB165 Eurex Fee Statement</td>
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<td></td>
<td>CB750 Give-Up Trades Overview</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CB751 Take-Up Trades Overview</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CI012 Account Statement</td>
<td></td>
</tr>
</tbody>
</table>
3 C7 Release 6.1 Functional Changes

C7 Release 6.1 will be introduced to production on Monday, 29 June 2020. The simulation environment is planned to be available from 4 May 2020.

The following functional enhancements will be introduced.

3.1 Persistence of Strategy Details post Transaction Adjustments Events

By introducing this functional enhancement members will be able to keep track of strategy details throughout the entire lifecycle of a transaction. The strategy details such as “strategy type” (Tag 28587 = ProdCmplx), “strategy sub type” (Tag 29010 = SubTyp), “strategy Link ID” (Tag 1851 = StrategyLinkID) and “Multi-leg Report type” (Tag 442 = MLegRptTyp) are kept persistent after transaction events (i.e. Transaction Separation, Transaction Account Transfer, Transaction Open/Close Adjustment, Transaction Adjustment, Give-Up, Take-Up). These attributes can be used for reconciliation purposes.

This enhancement has impact on the following:

C7 GUI:

The information on new strategy attributes will be available on below GUI screens:

- as display only values and are available for sorting:
  - Transaction Overview
  - Give-up Overview
  - Take-up Overview

- as display only values:
  - Trade Open/Close-Adjustment
  - Give-Up Entry
  - Trade Account Transfer
  - Trade Separation
  - Average Pricing

New filters:
Two new filters Strategy Type and Strategy Sub Type will be added under Advanced Filter for the following C7 GUI screens:

- Transaction Overview
- Give-Up Overview
- Take-Up Overview

Detailed information will be provided in the C7 Clearing GUI – User Manual, planned for publication in May 2020 and then available for download on the Eurex Clearing website under the following path:

www.eurexclearing.com => Technology => Eurex Clearing’s C7 => System Documentation => Eurex Clearing GUIs

Reports:

Below reports will be enhanced to display the new fields:

- CB012 Account Statement
• CB750 Give-Up Trades Overview
• CB751 Take-Up Trades Overview
• CB715 Average Pricing
• CB013 Account Statement – ECC
• CI012 Account Statement - ECC

For the reports impacted above, the attributes “strategy type”, “strategy sub type” and “strategy link ID” will be added to the XML Report Structure. The attribute “origMLegRptTyp” is already known.

Please Note: Report changes will be activated in September 2020.

Detailed information will be provided in the Eurex Clearing XML Report documentation, planned for publication in April 2020 and then available for download on the Eurex Clearing website under the following path:

www.eurexclearing.com => Technology => Eurex Clearing’s C7 => System Documentation => Eurex Reports

Further updates to member documentation:

FIXML documentation
C7 Derivatives Clearing Functional Reference

Detailed information will be provided in the C7 – Eurex Clearing FIXML documentation, planned for publication in February 2020 and then available for download on the Eurex Clearing website under the following path:

www.eurexclearing.com => Technology => Eurex Clearing’s C7 => System Documentation => Eurex Clearing Interfaces

and C7 Derivatives Clearing Functional Reference, planned for publication in March 2020 and then available for download on the Eurex Clearing website under the following path:

www.eurexclearing.com => Technology => Eurex Clearing’s C7 => System Documentation => Overview and Functionality

3.2 New TES Trade Type (BLOCK_QTPIP)

With T7 Release 8.1, Eurex will introduce the new TES Trade Type (BLOCK_QTPIP).

Eurex Clearing will support this new trade type “1007” / Q for Qualified TPIP trade.

The new trade type will be incorporated into FIXML (1007), C7 GUI and reporting (Q).

For details please refer to C7 – Eurex Clearing FIXML documentation planned for publication in February 2020 and C7 Clearing GUI – User Manual and Eurex Clearing XML Report documentation planned for publication in April 2020. All documents will be available for download on the Eurex Clearing website under the following path:

www.eurexclearing.com => Technology => Eurex Clearing’s C7 => System Documentation

For details on Eurex T7 Release 8.1 please refer to the T7 8.1 Release Notes available for download on the Eurex Exchange website under the following path:
3.3 Equity Bespoke Baskets for Futures

With T7 Release 8.1, Eurex will introduce a new basket type, denoted as Equity Bespoke Baskets (EBB), which refers to equity related Futures. Eurex Clearing plans to support this new basket type (pending to regulatory approval).

EBBs will be implemented based on the basket features as introduced for the Basket Trades of Equity Total Return Futures in October 2019.

An EBB will consist of a number of TES trades in different future instruments denoted as EBB components. After the successful execution, an EBB will be decomposed into its EBB components and the individual trades with a reference to the basket (basket ID) will be forwarded to C7.

The position keeping in C7 works as for Basket Trades of ETRFs (i.e. basket ID will be considered for position keeping and maintenance).

Details can be found in Eurex circular 118/19 and please also refer to the T7 8.1 Release Notes available for download on the Eurex Exchange website under the following path:

www.eurexchange.com => Technology => T7 => System Documentation => Release 8.1

3.4 FIXML Broker Move

Eurex Clearing FIXML broker implementation will move from qpid C++ to qpid Broker-J. With this upgrade the support for the outdated AMQP version 0-10 on the Eurex Clearing FIXML interface will be discontinued and will be replaced by support for AMQP version 1.0 only.

Clearing Members and ISVs using the interface should test their applications during the simulation period and upgrade the AMQP libraries used in their software to the latest available versions.

FIXML Gap Detection and re-send test

In C7 Release 6.1 simulation a focus day will be planned to test the re-send mechanism and gap detection on participant side. This will also support the test coverage for the FIXML Java broker.
4 Changes in Reporting for Q1 2020

In the first quarter of 2020 Eurex Clearing will start with the process of porting the interest of cash functionality to Eurex Clearing’s C7 Collateral Management System (CMS).

- Changes to CD230 “Monthly Interest Report”

Starting on 1 April 2020 the generation of the monthly CD230 report will change. It will then be based on data provided by Eurex Clearing’s CMS.

This data is provided monthly (=first business day of a month).

Data would be sent for every calendar day of the previous month.

In production this report will be available for the first time on 4 May 2020 (containing data for April 2020).

The final “old” report CD230 will be provided on 1 April 2020 (containing data for March 2020).

In simulation the first version of CD230 will be provided on 13 March 2020 (containing data from 11 February to 28 February 2020). Please note, that this report should be the basis for checking on structural changes, as figures cannot be confirmed due to lacking input.

The second version will be provided on 1 April 2020, then containing all data for March 2020.

The final “old” report CD230 will be provided in simulation on 3 March 2020 (containing data for February 2020).

Detailed information on the changes to the report will be provided in the Eurex Clearing XML Report documentation planned for publication in February 2020 and then available for download on the Eurex Clearing website under the following path:

www.eurexclearing.com => Technology => Eurex Clearing’s C7 => System Documentation => Eurex Reports

- New daily report CD231 “Daily Preliminary Interest Report”

The generation of the new daily CD231 report then based on data sent by CMS is planned for 4 May 2020.

This report is similar to report CD230 “Monthly Interest Report” but displays daily preliminary data (dates would range from first business day of current month until currentBusinessDay).

The report will be available in simulation starting on 1 April 2020.

Detailed information will be provided in the Eurex Clearing XML Report documentation, planned for publication in March 2020 and then available for download on the Eurex Clearing website under the following path:

www.eurexclearing.com => Technology => Eurex Clearing’s C7 => System Documentation => Eurex Reports
The currently via Common Report Engine (CRE) provided RPTDEPRA interest rate file will be decommissioned. Last delivery date into the public folder of CRE is the 30.04.2020. With start of the next business day 04.05.2020 we will provide to your private folder the new report RPTCD231. This report contains besides the interest rate information (similar to file RPTDEPRA) as well an interest amount forecast.