Eurex/KRX Link

Member Readiness Guide

Public

© Eurex 2021

Deutsche Börse AG (DBAG), Clearstream Banking AG (Clearstream), Eurex Frankfurt AG, Eurex Clearing AG (Eurex Clearing) and Eurex Repo GmbH (Eurex Repo) are corporate entities and are registered under German law. Eurex Global Derivatives AG is a corporate entity and is registered under Luxembourg law. Clearstream Banking S.A. is a corporate entity and is registered under Luxembourg law. Deutsche Boerse Asia Holding Pte. Ltd., Eurex Clearing Asia Pte. Ltd. and Eurex Exchange Asia Pte. Ltd are corporate entities and are registered under Singapore law. Eurex Frankfurt AG (Eurex) is the administering and operating institution of Eurex Deutschland. Eurex Deutschland is in the following referred to as the “Eurex Exchange”.

All intellectual property, proprietary and other rights and interests in this publication and the subject matter hereof (other than certain trademarks and service marks listed below) are owned by DBAG and its affiliates and subsidiaries including, without limitation, all patent, registered design, copyright, trademark and service mark rights. While reasonable care has been taken in the preparation of this publication to provide details that are accurate and not misleading at the time of publication DBAG, Clearstream, Eurex, Eurex Clearing, Eurex Repo as well as the Eurex Exchange and their respective servants and agents (a) do not make any representations or warranties regarding the information contained herein, whether express or implied, including without limitation any implied warranty of merchantability or fitness for a particular purpose or any warranty with respect to the accuracy, correctness, quality, completeness or timeliness of such information, and (b) shall not be responsible or liable for any third party’s use of any information contained herein under any circumstances, including, without limitation, in connection with actual trading or otherwise or for any errors or omissions contained in this publication.

This publication is published for information purposes only and shall not constitute investment advice respectively does not constitute an offer, solicitation or recommendation to acquire or dispose of any investment or to engage in any other transaction. This publication is not intended for solicitation purposes but only for use as general information.

All descriptions, examples and calculations contained in this publication are for illustrative purposes only.

Eurex and Eurex Clearing offer services directly to members of the Eurex Exchange respectively to clearing members of Eurex Clearing. Those who desire to trade any products available on the Eurex market or who desire to offer and sell any such products to others or who desire to possess a clearing license of Eurex Clearing in order to participate in the clearing process provided by Eurex Clearing, should consider legal and regulatory requirements of those jurisdictions relevant to them, as well as the risks associated with such products, before doing so.

Only Eurex derivatives that are CFTC-approved may be traded via direct access in the United States or by United States persons. A complete, up-to-date list of Eurex derivatives that are CFTC-approved is available at: https://www.eurex.com/ex-en/rules-regs/eurex-derivatives-us. In addition, Eurex representatives and participants may familiarise U.S. Qualified Institutional Buyers (QIBs) and broker-dealers with certain eligible Eurex equity options and equity index options pursuant to the terms of the SEC’s July 1, 2013 Class No-Action Relief. A complete, up-to-date list of Eurex options that are eligible under the SEC Class No-Action Relief is available at: https://www.eurex.com/ex-en/rules-regs/eurex-derivatives-us/eurex-options-in-the-us-for-eligible-customers. Lastly, U.S. QIBs and broker-dealers trading on behalf of QIBs may trade certain single-security futures and narrow-based security index futures subject to terms and conditions of the SEC’s Exchange Act Release No. 60,194 (June 30, 2009), 74 Fed. Reg. 32,200 (July 7, 2009) and the CFTC’s Division of Clearing and Intermediary Oversight Advisory Concerning the Offer and Sale of Foreign Security Futures Products to Customers Located in the United States (June 8, 2010).
Trademarks and Service Marks

Buxl®, DAX®, DivDAX®, eb.rexx®, Eurex®, Eurex Repo®, Eurex Strategy WizardSM, Euro GC Pooling®, FDAX®, FWB®, GC Pooling®, GCPI®, MDAX®, ODAX®, SDAX®, TecDAX®, USD GC Pooling®, VDAX®, VDAX-NEW® and Xetra® are registered trademarks of DBAG. All MSCI indexes are service marks and the exclusive property of MSCI Barra. ATX®, ATX® five, CECE® and RDX® are registered trademarks of Vienna Stock Exchange AG. IPD® UK Quarterly Indexes are registered trademarks of Investment Property Databank Ltd. IPD and have been licensed for the use by Eurex for derivatives. SLI®, SMI® and SMIM® are registered trademarks of SIX Swiss Exchange AG. The STOXX® indexes, the data included therein and the trademarks used in the index names are the intellectual property of STOXX Limited and/or its licensors Eurex derivatives based on the STOXX® indexes are in no way sponsored, endorsed, sold or promoted by STOXX and its licensors and neither STOXX nor its licensors shall have any liability with respect thereto. Bloomberg Commodity IndexSM and any related sub-indexes are service marks of Bloomberg L.P. PCS® and Property Claim Services® are registered trademarks of ISO Services, Inc. Korea Exchange, KRX, KOSPI and KOSPI 200 are registered trademarks of Korea Exchange Inc. BSE and SENSEX are trademarks/service marks of Bombay Stock Exchange (BSE) and all rights accruing from the same, statutory or otherwise, wholly vest with BSE. Any violation of the above would constitute an offence under the laws of India and international treaties governing the same. The names of other companies and third party products may be trademarks or service marks of their respective owners.

Eurex Deutschland qualifies as manufacturer of packaged retail and insurance-based investment products (PRIIPs) under Regulation (EU) No 1286/2014 on key information documents for packaged retail and insurance-based investment products (PRIIPs Regulation), and provides key information documents (KIDs) covering PRIIPs traded on Eurex Deutschland on its website under the following link: https://www.eurex.com/ex-en/rules-regs/priips-kids

In addition, according to Art. 14(1) PRIIPs Regulation the person advising on, or selling, a PRIIP shall provide the KID to retail investors free of charge.
Abstract
This document has been prepared for all Eurex Members that would like to participate in the Eurex/KRX Link by trading and/or clearing daily futures on KOSPI 200 Options (OKS2), daily futures on KOSPI 200 Weekly Options (OKW1, OKW3, OKW4, OKW5), daily futures on Mini-KOSPI 200 Futures (FMK2), daily futures on KOSPI 200 Futures (FBK2) and daily USD/KRW Futures Contracts on US Dollar Futures of the Korea Exchange (FCUW). It provides an overview on the Eurex/KRX Link and on the steps that member firms need to take for getting ready to participate.

Keywords
Eurex, Eurex Clearing, Eurex KOSPI Products, Eurex/KRX Link, FMK2, KRX, Link, Mini KOSPI, OKS2, KOSPI 200, Member Readiness, Prisma, SUPA margin, FBK2, FCUW, OKW1, OKW3, OKW4, OKW5, Weekly option
<table>
<thead>
<tr>
<th>Glossary</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>CET</td>
<td>Central European Time</td>
</tr>
<tr>
<td>CM</td>
<td>Clearing Member</td>
</tr>
<tr>
<td>CRE</td>
<td>Common Report Engine</td>
</tr>
<tr>
<td>EOD</td>
<td>End-of-day</td>
</tr>
<tr>
<td>ETI</td>
<td>Eurex Enhanced Trading Interface</td>
</tr>
<tr>
<td>GCM</td>
<td>General Clearing Member</td>
</tr>
<tr>
<td>GUI</td>
<td>Graphical User Interface</td>
</tr>
<tr>
<td>FBK2</td>
<td>Eurex Product ID: daily futures on KOSPI 200 Futures</td>
</tr>
<tr>
<td>FMK2</td>
<td>Eurex Product ID: daily futures on Mini KOSPI 200 Futures</td>
</tr>
<tr>
<td>FCUW</td>
<td>Eurex Product ID: daily USD/KRW Futures Contracts on US Dollar Futures of the Korea Exchange</td>
</tr>
<tr>
<td>ISV</td>
<td>Independent Software Vendor</td>
</tr>
<tr>
<td>KOSPI</td>
<td>Korea Composite Stock Price Index, index of all common stocks traded on the Stock Market Division. The KOSPI 200 index consists of 200 big companies of the Stock Market Division and is the underlying for the equity index options and futures at KRX.</td>
</tr>
<tr>
<td>KRW</td>
<td>South Korean Won</td>
</tr>
<tr>
<td>KRX</td>
<td>Korea Exchange</td>
</tr>
<tr>
<td>KST</td>
<td>Korean Standard Time</td>
</tr>
<tr>
<td>OK52</td>
<td>Eurex Product ID: daily futures on KOSPI 200 Options</td>
</tr>
<tr>
<td>OKW1</td>
<td>Eurex Product ID: daily futures on KOSPI 200 Weekly Options Week 1</td>
</tr>
<tr>
<td>OKW3</td>
<td>Eurex Product ID: daily futures on KOSPI 200 Weekly Options Week 3</td>
</tr>
<tr>
<td>OKW4</td>
<td>Eurex Product ID: daily futures on KOSPI 200 Weekly Options Week 4</td>
</tr>
<tr>
<td>OKW5</td>
<td>Eurex Product ID: daily futures on KOSPI 200 Weekly Options Week 5</td>
</tr>
<tr>
<td>Prisma</td>
<td>Portfolio risk margining methodology of Eurex Clearing AG</td>
</tr>
<tr>
<td>TES</td>
<td>Trade Entry Services</td>
</tr>
<tr>
<td>SUPA</td>
<td>Supplementary Asia margin in Prisma</td>
</tr>
</tbody>
</table>
Table of Contents

TABLE OF CONTENTS............................................................................................................ 6

1 INTRODUCTION .................................................................................................................. 7
1.1 Documentation .................................................................................................................... 7
1.2 Eurex/KRX Link – Functional overview ............................................................................. 7

2 HOW TO PARTICIPATE ........................................................................................................ 11
2.1 Prerequisites for Eurex Participants to participate in the Eurex/KRX Link ....................... 12
   2.1.1 Trading Members ......................................................................................................... 12
   2.1.2 Clearing members ....................................................................................................... 13
2.2 Technical implementation ................................................................................................. 13
   2.2.1 Fields for entering KRX Member ID and Final Beneficiary information .................... 13
   2.2.2 Provision of settlement information via default values ............................................... 14
   2.2.3 Provision of settlement information through Trade Enrichment Rules for the usage of Quotes and Lean Orders with Short Order Message Layout ....................................................... 15
   2.2.4 Usage of T7 Entry Services for Product on the Eurex/KRX Link ................................. 16
   2.2.5 Product Assignment ................................................................................................. 16
   2.2.6 Margining of Products on the Eurex/KRX Link - SUPA margin (Supplementary Asia) .. 16
   2.2.7 Transaction fees ....................................................................................................... 17
   2.2.8 Reports ..................................................................................................................... 17
2.3 Settlement account for KRW payments ............................................................................. 18
   2.3.1 Payment flows and instructions .................................................................................. 18
2.4 Simulation Access ............................................................................................................ 20

3 CONTACTS AT EUREX ...................................................................................................... 22

4 ACCOMPANYING DOCUMENTATION ............................................................................. 23
1 Introduction

1.1 Documentation

Eurex first announced the Eurex/KRX Link in 2010 in connection with Eurex Release 12.0. Therefore, the basic technical descriptions were published in the documentation for Release 12.0. Eurex Circular 128/2010, which announced the launch of the daily futures on KOSPI 200 Options, contains much of the relevant information, forms, and rule changes. Due to the migration of the products on the Eurex/KRX Link onto Eurex’ new trading system T7 in May 2013 and the Clearing System C7 Release 3.0 in May 2016, a considerable number of technical details was updated. The addition of daily futures on Mini KOSPI 200 Futures was announced and described in Eurex Circular 092/2016 of 10 October 2016. The change of contract multiplier was described in Eurex Circular 021/2017 of 03 March 2017.

The addition of daily futures on KOSPI 200 Futures was announced and described in Eurex Circular 013/2021 and Eurex Clearing Circular 008/2021 of 9 February 2021. The launch of daily USD/KRW Futures Contracts was introduced in Eurex Circular 050/2021 and Eurex Clearing Circular 046/2021 of 8 June 2021. As of 28th March 2022, daily futures on KOSPI 200 Weekly Options were launched in Eurex Circular 006/22 as well as Eurex Clearing Circular 001/2022.

1.2 Eurex/KRX Link – Functional overview

KOSPI 200 Options are one of the most heavily traded options contracts worldwide. KRX and Eurex have offered after-hours trading of KOSPI 200 Options at Eurex since August 2010 by listing on Eurex a daily expiring futures contract with a specific operational setup and a specific clearing and payment infrastructure (“the Eurex/KRX Link”). Eurex and KRX added daily futures on Mini-KOSPI 200 Futures in November 2016, and introduced daily futures on KOSPI 200 Futures and daily USD/KRW Futures to the Eurex/KRX Link in 2021. Daily futures on KOSPI 200 Weekly Options were added to the Eurex/KRX link product offering in March 2022.

All Eurex/KRX Link Products are denominated in South Korean Won (KRW); they are listed with equivalent series to their respective underlying and settle into the same pool of open interest at KRX.

The Eurex/KRX Link extends the trading hours for of these contracts into the Korean after-hours, covering the European and North American time zones. At the same time, it makes it easier for international investors to access this market, as the Eurex/KRX Link Products trade on Eurex with Eurex rules and trading functionalities.
At the end of each Eurex trading day, the position at Eurex is netted on a financial beneficiary basis and transferred from Eurex Clearing to KRX. This means that participating in the Eurex/KRX Link necessitates establishing a position at KRX. For this purpose, all participating Eurex Members need to have a business relationship with at least one KRX Member.
Settlement of Products on the Eurex/KRX Link
The settlement of the daily expiring futures contracts occurs in two components:

a) Variation margin (traded price – settlement price) in Korean Won. Payment is made on T+1 by 07:00 CET or 08:00 CEST.

b) Physical delivery by establishing a position in KOSPI 200 Derivatives and/or US Dollar Futures at KRX. Based on the information on net positions that are transferred by Eurex to KRX, KRX enters these positions at T+1 market opening using its block trade functionality.

The daily (and also final) settlement prices of the Eurex/KRX Link Products are equal to the daily settlement prices (base price) of the respective series of KOSPI 200 Derivatives and/or US Dollar Futures at KRX in its previous trading session. By this method, Eurex and KRX can ensure that the settlement prices of Eurex Clearing lie within the range of the quotation price limits of respective KOSPI 200 Derivatives and/or US Dollar Futures on KRX. Only in case of extraordinary circumstances, especially if the trading is interrupted due to technical problems or if a price determination for the Eurex/KRX Link Products is not possible for other reasons, Eurex Clearing may determine the final settlement price in another way.

Default Procedure
In the event that delivery of the Eurex/KRX Link Products into a KOSPI 200 Derivatives and/or US Dollar Futures position at KRX does not take place by 08:20 KST (00:20 CET/01:20 CEST), Eurex Clearing’s default procedures will apply as described in the Eurex Clearing Conditions (Chapter II, Section 2.15 “Clearing of Eurex Daily Futures Contracts on KOSPI 200 Derivatives of the Korea Exchange (KRX)” and Section 2.28 “Clearing of Eurex Daily USD/KRW Futures Contracts on US Dollar Futures of the Korea Exchange (KRX)”). For example, such a situation could arise if a KRX Member has to reject a certain position on the grounds of insufficient collateral from the beneficial owner.

KRX will transfer any rejected positions to the account of Eurex Clearing with a KRX Member that is designated as liquidation broker. Eurex Clearing will have instructions with this KRX Member to liquidate the relevant position on the KRX market. Eurex Clearing may have recourse to a CM as described in the Eurex Clearing Conditions.

Margining of Products on the Eurex/KRX Link
After the end of the Eurex trading session, a futures-style variation margin is paid or received in Korean Won as the profit or loss of the trading day. Eurex Clearing AG reserves the right to apply intra-day margin in the clearing currency of the GCM based on the overall risk position of the GCM in the Eurex/KRX Link Products. While intraday margining proceeds as normal for KRX Products, the overnight risk will be covered by a SUPA (“Supplementary Asia”) margin process.

1 When there is Daylight Savings Time in Europe
in Prisma. The margin calculation is performed immediately after trading has closed and positions are final (21:30 CET/21:30 CEST). This margin is booked as Supplementary Margin and held until 02:00 CET/03:00 CEST on the following day. If KRX is closed, Eurex keeps SUPA booked. Eurex Clearing AG reserves the right to keep SUPA margin until a liquidation process of any rejected positions of an Eurex member has been fully completed. The SUPA margin requirement follows the Prisma initial margin logic and will be reported in the CC750 report. The Eurex/KRX Link Product positions are offset in the Prisma liquidation group PAC01 for daily futures on KOSPI 200 Derivatives and PAF01 for daily futures on FX Derivatives. More information on the margin methodology can be obtained from the Eurex Clearing website under https://www.eurex.com/en/services/margining/eurex-clearing-prisma.

**Margining for resulting positions at KRX**

When positions are transferred to KRX, the corresponding KOSPI 200 Derivatives and/or US Dollar Futures positions at KRX become subject to KRX margining regulations. The KRX Member determines the potential pre-margin requirement on a beneficial owner basis. After the positions are accepted by the KRX Member, they are entered into the KRX system. Funds may need to be deposited with a KRX Member in advance by the customer (Final Beneficiary or Eurex Member) according to the terms of the KRX Member.

KRX Members are encouraged to monitor the Eurex Members’ and their clients’ pre-margin requirements even during the Eurex trading day and provide information on potential additional margin requirements.
2 How to Participate

In order to trade the Eurex/KRX Link Products, Eurex Members must be able to establish positions in KOSPI 200 Derivatives and/or US Dollar on KRX, i.e., they must have an agreement with a KRX Member on account access to KRX. Eurex requires a validated account relationship with a KRX Member for accessing the Eurex/KRX Link Products, as only a valid account relationship with a KRX Member can enable the Eurex Member to establish the respective position at KRX for its own account or its client.

The relationship is validated as soon as the Eurex Members submit the form “Application for the activation of trading and clearing of Eurex Daily Futures Contracts on KOSPI Derivatives and/or USD/KRW Futures Contracts; Notice of the commissioning of (further) KRX member(s)” signed by the participating Members. Eurex will then enter the KRX Member IDs into the trading system for the respective Eurex Member so that the Member can access the Eurex/KRX Link Products. The Eurex Member can add or edit these when needed, by using the same form with the necessary added clarifications.

Eurex Members should take note of the applicable rules of KRX that apply as a prerequisite for participation in trading and clearing of KRX products at KRX, in particular, the requirement to identify the end beneficiaries as set out in Part 1 Subpart 1.14 of the Eurex Contract Specifications and in Section 118-2 para. 2 of the Enforcement Rules of Derivatives Market Business Regulation of KRX.

When entering an order, quote or trade adjustment, Eurex Members must provide the 3-digit KRX Member ID for a validated KRX Member and a (maximum) 9-character identification number for the KRX Final Beneficiary so that the KRX Member can identify the position account in which it shall carry the position at KRX. The identification can be the actual account number that the KRX Member provides, or information that the KRX Member can attribute to the respective account using a patching table. The Eurex system only requires that this field is filled by at least one character, but it does not verify the validity of the beneficiary information.

It is further recommended that the Eurex Member align with the respective KRX Member regarding the confirmation of positions in the KOSPI 200 Derivatives and/or US Dollar Futures on KRX.
2.1 Prerequisites for Eurex Participants to participate in the Eurex/KRX Link

2.1.1 Trading Members

Eurex Trading Members need to verify that their respective Clearing Member can clear the Eurex/KRX Link Products (for requirements for CMs, see below).

In addition, the products are only made available to Eurex Members who register by the application form “Application for the activation of trading and clearing of Eurex Daily Futures Contracts on KOSPI Derivatives and/or USD/KRW Futures Contracts; Notice of the commissioning of (further) KRX member(s)” (see details below). Please request the forms through your Key Account Manager.

<table>
<thead>
<tr>
<th>Applies to Simulation (S) and Production (P)</th>
<th>Relevant Eurex trading participant¹</th>
<th>KRX member(s) commissioned by the Eurex trading participant¹</th>
<th>As default KRX member? (optional)²</th>
<th>Default beneficiary owner [9 digits] (optional but must be provided if a default KRX member is chosen)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Legal name</td>
<td>Eurex / Eurex Clearing Member ID (6 digits)</td>
<td>Legal name</td>
<td>KRX member ID (3 digits)</td>
<td>123</td>
</tr>
<tr>
<td>e.g. SIF</td>
<td>ABC Firm LLC</td>
<td>ABC Firm LLC</td>
<td>YES/NO</td>
<td>123</td>
</tr>
</tbody>
</table>

With this form, Eurex Members provide Eurex with:

- The KRX Member ID and name of the KRX Member(s) with whom they have a relationship.
- Confirmation that an arrangement between the Eurex Member and KRX Member exists, so that the KRX Member will accept the respective position(s) resulting from the Eurex KOSPI Products in the KRX system.
- Confirmation that the Eurex Member is aware of the regulatory requirements in Korea and that they will be adhered to.
- For those Eurex Members which plan to use the “Quotes” and “Short Order Message Layouts”, the form offers fields for providing default values so that T7 can add them to the trade information accordingly when transferring the positions to the clearing system.

The Trade Enrichment Rules of Eurex’s T7 system enables Members to manage the cooperation settlement details in the Eurex/KRX Link Products for these two order formats in a more differentiated way. You will find more information on the default values and the Trade Enrichment Rules process in sections 2.2.2 and 2.2.3 of this document.

In addition to the steps that need to be taken with Eurex, please align with your KRX broker, your Clearing Member and your ISVs to ensure their readiness.
2.1.2 Clearing members

To access the Eurex/KRX Link, Clearing Members need to:

- establish an account at one of the two settlement banks (hereinafter called payment banks), Shinhan Bank or Hong Kong and Shanghai Banking Corporation Seoul Branch in order to be able to settle cash obligations resulting from trading.
- provide power of attorney in favor of Eurex Clearing for all KRW cash transactions resulting from the Eurex/KRX Link Products.
- prepare the SUPA margin for Eurex/KRX Link Products for the case that expired positions in the Eurex/KRX Link Products will be settled into positions on KRX. For more information on the SUPA margin, see section 2.2.6 “Margining of the products on the Eurex/KRX Link” below in this document.

2.2 Technical implementation

2.2.1 Fields for entering KRX Member ID and Final Beneficiary information

Eurex’s C7 Clearing System carries the clearing-related information for the Eurex/KRX Link Products in the External Member ID and Final Beneficiary fields in Eurex Enhanced Trading Interface (ETI) or Eurex FIX Gateway (Eurex’s different order routing interfaces) – see diagram below: For Eurex/KRX Link Products, the Participant must provide the cooperation details as follows:

- The External Member ID must be validated (allowed) for the entering Participant; and
- The Final Beneficiary field must be specified

The Eurex system verifies whether the KRX Member ID has a valid relationship with the Eurex Member entering the request and at least one character for the identification number is entered. If the KRX Member ID submitted is:

- Valid and at least one character for the identification number is entered, the request will be accepted.
- Invalid, or an identification number is not entered, the request will be rejected. The Eurex Member will, however, be able to re-enter the required information.

Eurex’s trading system T7 transfers trades from orderbook trading and Trade Entry Services with the information from both fields to the clearing system. Exchange members are able to edit the information and perform position management, Give-ups, etc. there.
In T7, the field names for the settlement related information depend on the interface.

**Overview:**

<table>
<thead>
<tr>
<th>Interface</th>
<th>Transaction, request</th>
<th>Fields (ID)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eurex ETI (Trade notification)</td>
<td>Order add, modify</td>
<td>PartyIDOrderOriginationFirm (20013)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PartyIDBeneficiary (20032)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>RootPartyIDOrderOriginationFirm (20413)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>RootPartyIDBeneficiary (20432)</td>
</tr>
<tr>
<td>Eurex FIX Gateway - FIX 4.4</td>
<td>Order add, modify (and trades)</td>
<td>Order Originating Firm = 13</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Beneficiary = 32</td>
</tr>
<tr>
<td>Eurex FIX Gateway - FIX 4.2</td>
<td>Order add, modify (and trades)</td>
<td>PartyIDOrderOriginationFirm (20013)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PartyIDBeneficiary (20032)</td>
</tr>
<tr>
<td>Eurex Trader GUI</td>
<td>Order add, modify (and trades)</td>
<td>OrigFirm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Benefic</td>
</tr>
</tbody>
</table>

In Eurex' Trader GUI, the field names are 'OrigFirm' for the KRX Broker ID and 'Benefic' for the Final Beneficiary identification. These fields are not shown for any other products but become visible and mandatory when submitting orders in the Eurex/KRX Link Products.

For background information and a complete description of the co-operation fields, please see the relevant chapter on trading fields in the most recent T7 Release description. The relevant documentation is available on the Eurex website [www.eurex.com](http://www.eurex.com) under the path Eurex › Support › Technology › T7.

**2.2.2 Provision of settlement information via default values**

It is possible to enter the KRX Member ID and Final Beneficiary information along with orders in the regular order formats “Lean Orders” or “Standard Orders”. However, the two fields are not available in the formats “Quotes” and “Lean Orders with Short Message Layouts”.

In order to use the order formats “Quotes” and “Lean Orders with Short Message Layouts” for the Eurex KOSPI Products, it is possible with Trade Enrichment Rules (see Section 2.2.3). The default values will only be used by the trading system for “Quotes” and “Lean Orders with Short Message Layouts”. The form “Application for the activation of trading and clearing of Eurex Daily Futures Contracts on KOSPI Derivatives and/or USD/KRW Futures Contracts; Notice of the commissioning of (further) KRX member(s)” contains two fields to select a default KRX Member ID and to indicate a default Final Beneficiary for this KRX Member. These default values will only be used by the trading system for Quotes and “Short Order Message Layouts” (also Lean Orders).
Eurex Members who have not provided these default values will not be able to use “Quotes” and “Lean Orders with Short Message Layouts” in the Eurex KOSPI Products. If the Participant does provide default values along with the form, both Default KRX Member ID and Default Beneficiary Owner must be provided in addition.

2.2.3 Provision of settlement information through Trade Enrichment Rules for the usage of Quotes and Lean Orders with Short Message Layout

In addition to using default values, Participants who use Quotes and Lean Orders with Short Message Layouts for the Eurex/KRX Link Products can also manage the entry of settlement information in a more differentiated way via the Trade Enrichment Rules functionality of Eurex’s T7 system. Participants can setup multiple Trade Enrichment Rules and register multiple KRX Member ID and Beneficiary Owner but Default KRX Member ID and Default Beneficiary Owner will be use if Trade Enrichment Rule is not used. If no Default values are registered, participant will not be able to use Quotes and Lean Orders with Short Message Layout or even send any standard/lean orders for KOSPI Products.

The diagram below shows how an executed quote/order entered using the short layout is enriched using the Trade Enrichment Rules:

Trade Enrichment Rules cover the Eurex/KRX Link clearing details along with other details related to the trade. Using the Eurex Admin GUI, Participants are able to define Trade Enrichment Rules as a simple index table. On transaction entry, they can specify the exact trade enrichment rule to be used at the time of execution. Each enrichment rule will be identified by an integer identifier set by the participant.

When the order/quote is executed, Eurex Exchange’s T7 will use the Trade Enrichment Rule ID supplied by the participant to look up the rule and then apply the corresponding clearing fields to the trade information that goes to the clearing system and back to the participant.

For further details regarding the activation of Trade Enrichment Rules, please refer to the documentation “Eurex Trader and Admin GUI Manual” on our website at Eurex › Support › Initiatives & Releases › T7 Release 9.1 › GUI Solutions.
As a prerequisite for the application of Trade Enrichment Rules to the Eurex/KRX Link Products, Participants must use the form to provide a default KRX Member ID and Final Beneficiary account for the event that a valid Trade Enrichment Rule for the product is not supplied.

### 2.2.4 Usage of T7 Entry Services for Products on the Eurex/KRX Link

The following T7 Entry Services are available for off-book trades in the Eurex/KRX Link Products:

- Block Trades
- Multilateral Trade and Brokerage Functionality
- Complex Instruments (strategy trading)

For minimum block trade sizes, please consult the current product specifications published on Eurex website (www.eurex.com/ex-en/) under the path Eurex > Markets > Equity Index > Eurex KOSPI Products and Eurex > Markets > FX > USDKRW Futures.

### 2.2.5 Product Assignment

Once a Eurex Member is registered, the product will be set up for the Eurex Trading Member and respective Clearing Member by Eurex. Eurex Members can set up and assign the Eurex/KRX Link Products in the same way as all other Eurex Products.

Eurex Members can assign product on trader level and set up respective transaction size limits on product level using the *User maintenance* functions of the Eurex Admin GUI. For further details regarding product assignment, please refer to the documentation “Eurex Trader and Admin GUI Manual” on Eurex website (www.eurex.com/ex-en/) under Eurex > Support > Initiatives & Releases > T7 Release 9.1 > GUI Solutions.

### 2.2.6 Margining of Products on the Eurex/KRX Link - SUPA margin (Supplementary Asia)

The overnight risk for the CCP until the establishment of the positions on the next day at KRX is addressed by the SUPA margin process in Eurex Clearing AG’s margining system Prisma. The SUPA margin calculation is performed in clearing currency immediately after trading has closed and positions are final (21:30 CET), i.e., it is applied towards the general margin at around 22:00 CET. This margin is booked as Supplementary Margin and held on the following day until 02:00 CET/03:00 CEST or the time at which EUREX Clearing AG has received confirmation from the designated liquidation broker that no positions have been rejected, whatever occurs later. If KRX is closed, Eurex keeps SUPA booked. The SUPA margin ensures that the overnight risk is fully covered and that the EOD margin requirements are daily updated based on most recent positions. Eurex Clearing AG will keep appropriate SUPA margin until a liquidation process of any rejected positions of an Eurex member has been fully completed. The SUPA margin will be reported in the CC750 report. KRX positions are offset in the Prisma liquidation group PAC01 for daily futures on KOSPI Derivatives and PAF01 for daily futures on FX Derivatives.
Eurex Clearing Members can download more detailed information about Prisma from the Member Section under the link https://membersection.deutsche-boerse.com/.

2.2.7 Transaction fees
Whereas most Eurex Products have fixed transaction fees per contract, the fees for transactions in Eurex Daily Futures Contracts on KOSPI 200 Options and on KOSPI 200 Weekly Options are defined as a percentage of the premium per contract, i.e. the Price List shows a percentage to be multiplied by the traded price times the contract value of 250,000 KRW.

Likewise, the fees for transactions in Eurex Daily Futures on KOSPI 200 Futures and Mini KOSPI 200 Futures are defined as a percentage of the contract value per contract, i.e. the Price List shows a percentage to be multiplied by the contract value of 250,000 KRW and 50,000 KRW, respectively.

The fees for transactions in Eurex Daily USD/KRW Futures on US Dollar Futures are defined as a percentage of the contract value per contract. To determine the applicable fee, the following percentage is multiplied (i) by the traded price and (ii) by 10,000 (as the contract value).


2.2.8 Reports
One report has particular relevance to the Eurex/KRX Link:

RPTCB741 “KRX Position Information” (displays acceptance/rejection of settlement information into the KRX system to establish the respective position in the KOSPI 200 Derivatives and/or US Dollar Futures at KRX. This report displays the end-of-day positions in Eurex/KRX Link Products sorted by Eurex Member, Final Beneficiary, contract, trade side and KRX Member. This report is generated on a daily basis and is available to Eurex Members.)

Further reports of relevance to participants in the Eurex/KRX Link include:

RPTCC750 “Daily Margin” (deals with the daily margin requirements or margin credit for each Exchange Member)
RPTCD710 “Daily Cash Account CM” (details balances and transaction amounts of the cash account).
RPTCB890 “Premium Information” (contains premium requirement/credit for the current business day for all exchange members, registered customers and Clearing Members)

2.3 Settlement account for KRW payments

As the Eurex/KRX Link Products are denominated in KRW, cash payments (i.e. variation margins and fees) are settled in KRW. Eurex Clearing, as the central counterparty, processes the payments in KRW resulting from variation margins (the difference between trade price and settlement price) as well as fees. While the daily futures on KOSPI 200 Options (OKS2) and the daily futures on KOSPI 200 Weekly Options (OKW1, OKW3 OKW4, OKW5) are set up as options contract in the system, the variation margin process is the same for FBK2, FMK2 and FCUW due to futures-style margin.

2.3.1 Payment flows and instructions

The payment flows in KRW involving the payment banks are bundled into two payments per day; the debit payments and the credit payments (seen from a Eurex Clearing Member’s point of view).

2.3.1.1 Debit payments

The payment instructions are initiated by Eurex Clearing via the SWIFT network with message type MT204 for the respective Clearing Member to the designated payment bank. After receipt at the payment bank, the message is processed accordingly and a credit to Eurex Clearing’s account at the designated payment bank is issued.

Eurex Clearing also receives a confirmation of the credited amounts with the message type MT910 sent by the payment bank.
2.3.1.2 Credit payments

If a Clearing Member is to receive money, Eurex Clearing initiates a payment instruction via the SWIFT network with message type MT202 from Eurex Clearing's account held at the payment bank in favor of the respective Clearing Member’s account at the designated payment bank.

All credit payments are released after all incoming payments resulting from the Clearing Member’s obligations have been finalized.

Eurex Clearing receives confirmation of the debited amounts with the message type MT900 sent by the payment bank.

2.3.1.3 Instruction fees

Eurex Clearing only bears SWIFT fees for the MT204 and MT202 SWIFT instructions submitted by Eurex Clearing. Eurex Clearing does not bear any fees/fines or other charges, e.g. for messages between a Clearing Member and the payment bank or fines for an uncovered Clearing Member’s account.

2.3.1.4 Timelines

In general, Eurex Clearing first instructs all debit payments via MT204. After Eurex Clearing has received all funds from these payments on the account at the payment bank, all credit payments are instructed via MT202 messages.

The timeline for payments for variation margins and fees is as follows:

- Debit instructions are sent by 02:00 CET.
• Debit instructions due on Eurex Clearing’s account with the payment bank are completed by 15:00 KST (07:00/08:00² CET).
• Credit instructions are made by 16:00 KST (08:00/09:00² CET).

2.4 Simulation Access

The Eurex/KRX Link Products are available in the Eurex Simulation Environment and can be tested for trading. Please note that the set-up processes described in section 2 ‘How to Participate’ need to be performed in simulation prior to a Eurex Member being active in Simulation, including the assignment of the Eurex/KRX Link Products for the traders in the Simulation environment. To register the account relationship with a KRX Member for simulation, the same form as for Production can be used to provide Eurex with the KRX Member ID(s) and firm name(s) to be patched (please tick "Simulation" in this case).

In case a Eurex Member is interested in testing the Eurex/KRX Link Products but has not set up a relationship with a KRX Member yet, default KRX Member IDs can be provided in simulation for testing purposes.

In simulation, any alphanumeric combination can be used for the KRX Final Beneficiary. The RPTCB741 "KRX Position Information" can also be retrieved, however acceptance or rejection of positions depends on the response of the KRX Member. If no information is available regarding the status of a position, the report indicates this with ‘pending’.

Please note that reports are provided in the Eurex system on the following day after a batch day. For an overview of trading and batch days, please refer to the Eurex simulation calendar published on the Eurex website (www.eurex.com/ex-en/) under Eurex › Support › Initiatives and releases › Simulation calendar. (https://www.eurex.com/ex-en/support/initiatives/simulation-calendar)

The SUPA margining process (see above) is not offered in simulation.

It is also possible that Eurex and KRX Members jointly simulate and test the processes of the position transfer of the Eurex/KRX Link. However, KRX does not provide simulation access to all its member firms on a continuous basis. If Eurex and KRX Members want to test the full circle of settlement of Eurex positions into KRX together, the cooperating KRX Member should contact KRX and ask for simulation support well in advance. When KRX participates in the simulation, it will exchange simulation position information with its members and provide Eurex with simulation files to be processed by Eurex.

² During Daylight Saving Time in Europe
In detail, during EOD processing, Eurex transfers the position information to KRX. KRX transmits the position information to the corresponding KRX Member for acceptance or rejection, and KRX will send the respective data and responses back to Eurex. The simulated acceptance or rejection of positions will then be reflected in the simulation report RPTCB 741 KRX Position Information. It is recommended that the established simulation positions are aligned with the KRX Member separately, e.g., via email.
3  Contacts at Eurex

Sales

Jane Yeo, +852 2530 7807, jane.yeo@eurex.com

Client Services

Functional queries (KAMs and CKAMs): client.services@eurex.com

Technical queries (TKAMs): cts@deutsche-boerse.com

ISVs & front office (Connectivity) Provider

Steven Will, +49 69 211 14130, steven.will@eurex.com

Middle and Back Office ISVs

Luigi Nappi +49 69 211 12135, luigi.nappi@deutsche-boerse.com

Stefan Krause, +49 69 2 11 19610, stefan.krause@deutsche-boerse.com

Derivatives Clearing

+49 69 211 11250

clearing@eurex.com

Derivatives Trading

+49 69 211 11210

eurextrading@eurex.com
4 Accompanying Documentation

All documents published regarding the cooperation between Eurex and KRX are available online on the Eurex website www.eurex.com/ex-en/ and Eurex Clearing website www.eurex.com/ec-en/. We strongly recommend downloading all of these documents.

General information
Eurex Exchange website: http://www.eurex.com/ex-en
Eurex > Markets > Equity Index > Eurex KOSPI Products
Eurex > Markets > FX > USDKRW Futures

Eurex Clearing AG website: www.eurex.com/ec-en/
Eurex Clearing > Clear > Eurex/KRX Link
https://www.eurex.com/ec-en/clear/eurex-krx-link

Eurex circulars
Eurex > Find > Circulars & Mailings

Eurex Clearing circulars
Eurex Clearing > Find > Circulars & Newsflashes

Product specifications and current prices and volumes
Eurex > Markets > Equity Index > Eurex KOSPI Products
Eurex > Markets > FX > USDKRW Futures

Transaction fees
The Price List is downloadable from the Eurex Exchange website:
Eurex > Rules & Regs > Eurex Rules & Regulations

Margining
Eurex Clearing Members can download more detailed information about Prisma from the Member Section at https://membersection.deutsche-boerse.com/.
Clearing Conditions and Default procedure
Chapter II of the Clearing Conditions of Eurex Clearing AG Transactions Concluded at Eurex Deutschland
Section 2.15 Clearing of Eurex Daily Futures Contracts on KOSPI 200 Derivatives of the Korea Exchange (KRX)
Section 2.28 Clearing of Eurex Daily USD/KRW Futures Contracts on US Dollar of the Korea Exchange (KRX)

Eurex Clearing > Rules & Regs > Rules and Regulations

Descriptions of trading and Interfaces, including of Graphical User Interface (GUI) for trading and administration of enrichment rules
Eurex Clearing > Support > Initiatives & releases > C7 Releases >

Eurex Reports
Eurex Clearing > Support > Technology > Eurex Clearing’s C7

Simulation Calendar
Eurex > Support > Initiatives & Releases > Simulation Calendar