T7 Release 12.0

Cash Market

October 2023
Agenda

Overview & Introduction

MiFID II / MiFIR Enhancements

Xetra Retail Execution Service

Enhancements of Pre-Trade Control Checks

Latency Enhancements

Further Changes & Enhancements
1 Overview & Introduction
# T7 Release 12.0 in a nutshell

## New Features & Enhancements

<table>
<thead>
<tr>
<th>Feature</th>
<th>T7 Xetra</th>
<th>T7 Börse Frankfurt</th>
</tr>
</thead>
<tbody>
<tr>
<td>MiFID II / MiFIR Enhancements</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Xetra Retail Execution Service</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Enhancements of Pre-Trade Control Checks</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Latency Enhancements</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Further Changes and Enhancements</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

### Backwards compatibility

- **Backwards compatibility for trading interfaces**: NO
- **Backwards compatibility for market & reference data interfaces**: NO
# Introduction Schedule

<table>
<thead>
<tr>
<th>Q2</th>
<th>Q3</th>
<th>Q4</th>
<th>2024</th>
</tr>
</thead>
<tbody>
<tr>
<td>May</td>
<td>Jun</td>
<td>Jul</td>
<td>Aug</td>
</tr>
<tr>
<td>11.08.</td>
<td>T7 Release 12.0 Cloud Simulation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>T7 Release 11.1 Permanent Simulation</td>
<td>11.09.</td>
<td>T7 Release 12.0 Simulation</td>
<td></td>
</tr>
<tr>
<td>20.11.</td>
<td>T7 Release 12.0 Production</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Preliminary Release Notes - June 2023
- Documents for Cloud Simulation - Aug 2023
- Final Release Notes - Sep 2023
- Documents for simulation start - Sep 2023
- Documents for production start - Nov 2023

**Release Milestones**

- **T7 Cloud Simu**
  - 11 Aug 2023
- **Simulation**
  - 11 Sep 2023
- **Production**
  - 20 Nov 2023
# Publication Schedule

<table>
<thead>
<tr>
<th>T7 Release 12.0</th>
<th>Derivatives Markets</th>
<th>Cash Markets</th>
<th>Combined</th>
<th>Q2</th>
<th>Q3/ 2023</th>
<th>Q4/ 2023</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preliminary Release Notes</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Enhanced Trading Interfaces Manual, incl. XSD, XML Representation and Layouts</td>
<td></td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FIX LF Manual, incl. XSD, XML Representation and Layouts</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trader, Admin and Clearer GUI – User Manual</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Final Release Notes</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Extended Market Data Services Manual &amp; Underlying Ticker Data Manual incl. XML Fast Templates</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Functional Reference</td>
<td></td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Functional and Interface Overview</td>
<td></td>
<td></td>
<td>X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trader, Admin and Clearer GUI – Installation Manual</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Participant and User Maintenance Manual</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cross System Traceability</td>
<td></td>
<td></td>
<td></td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Incident Handling Guide</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Participant Simulation Guide</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>T7 Known Limitations for Simulation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Cash Market Instrument Reference Data Guide</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Exchange Rules &amp; Regulations</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Market Models</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>T7 Known Limitations for Production</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

- **Version 1** (identified by ◆) will be published in Aug 2023
- **Version 2 (optional)** (identified by ■) will be published in Sept 2023
- **Version 3 (optional)** (identified by ●) will be published in Nov 2023
- All documents will be available on [www.xetra.com](http://www.xetra.com) under:

  *Technology > T7 trading architecture > System documentation > Release 12.0*
2 MiFID II / MiFIR Enhancements
Introducing mandatory field flagging for MiFID II fields in all T7 interfaces & trader GUI

- Client ID in Riskless Principal trading* will be mandatory (Cash Market only), must be empty for proprietary trading capacities
- For proprietary trading in general and for agent trading if applicable, for the identification of natural persons, a short code will be mandatory in the Execution Decision ID (qualifier set to human, i.e., natural person) and Investment Decision ID (qualifier set to human, i.e., natural person)
- Trader GUI introduces fields Execution Decision ID and qualifier
- TES Approval Process Extension will follow the same field logic. Trading participants need to check whether their existing auto approval rules adhere to the new field logic

Exclusion of the numerical “0” in the three MiFID II short code / AlgoID fields

- The submission of a zero in the Execution Decision ID, Investment Decision ID, and Client ID will lead to a rejection of the entry, modification, or deletion request as “0” is not a permitted short code / Algo ID value

Check list

- Short codes and Algo IDs must have a value equal to or greater than 1
- For proprietary trading it is not allowed to use the Client ID as a free text field
- Short codes of the natural person primarily responsible for the Execution Decision and Investment Decision (if applicable) must be available for submission in the MiFID fields and registered with the trading venues. Esp. trader short code registrations to be checked
- TES auto approval rules to be checked

*Riskless Principal = ESMA trading capacity MTCH
Agency, Retail Agency = ESMA trading capacity AOTC
Proprietary, Market Making, Issuer- and Retail Liquidity Provider = ESMA trading capacity DEAL
MiFID Fields validation logic change in Order / Quote / TES / Enlight (2/2)

<table>
<thead>
<tr>
<th>Trading Capacity</th>
<th>Execution Decision ID</th>
<th>Investment Decision ID*</th>
<th>Client ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGENCY</td>
<td>mandatory</td>
<td>optional</td>
<td>mandatory</td>
</tr>
<tr>
<td>RISKLESS_PRINCIPAL</td>
<td>mandatory</td>
<td>optional</td>
<td>mandatory</td>
</tr>
<tr>
<td>RETAIL_AGENCY</td>
<td>mandatory</td>
<td>optional</td>
<td>mandatory</td>
</tr>
<tr>
<td>PROPRIETARY</td>
<td>mandatory</td>
<td>mandatory</td>
<td>empty</td>
</tr>
<tr>
<td>MARKET MAKING</td>
<td>mandatory</td>
<td>mandatory</td>
<td>empty</td>
</tr>
<tr>
<td>ISSUER_LIQUIDITY_PROV</td>
<td>mandatory</td>
<td>mandatory</td>
<td>empty</td>
</tr>
<tr>
<td>RETAIL_LIQUIDITY_PROV</td>
<td>mandatory</td>
<td>mandatory</td>
<td>empty</td>
</tr>
</tbody>
</table>

*Investment decision ID and qualifier are optional in Agency, Retail-Agency and Riskless Principal trading capacity, if qualifier set then the field investment decision ID is mandatory.

Please find more information on MiFID flagging in our “Factsheet: MiFID II / MiFIR Flagging Requirements - Execution decision, investment decision, client ID and DMA “ under following path:

xetra.com > Newsroom > Current regulatory topics > MiFID II and MiFIR > Reference data reporting
Changes on Interfaces

FIX LF

- Default settings will be removed as follows

<table>
<thead>
<tr>
<th>Information</th>
<th>Default setting removed with T7 12.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Investment Qualifier</td>
<td>Human</td>
</tr>
<tr>
<td>Investment Qualifier</td>
<td>Human</td>
</tr>
<tr>
<td>Liquidity Provision Indicator</td>
<td>Non_liquidity_providing</td>
</tr>
<tr>
<td>Commodity Hedging</td>
<td>False</td>
</tr>
</tbody>
</table>

T7 Trader GUI

- T7 Trader GUI will automatically fill Execution Decision ID & Execution Qualifier (only if user sets default value in application preferences)
- When logging in, pop-up window will prompt user to set default value for Execution Decision ID (Execution Qualifier will be “Human” (default at login)) & can be changed to “Algo” manually at the time of transaction submission
3 Xetra Retail Execution Service
Xetra Retail

- Xetra Retail is a new functionality for the execution of retail orders for the trading venue Xetra.
- The new service aims to offer the best execution of retail orders at attractive conditions:
  - The new execution service offers price improvements based on the current Central Limit Order Book (CLOB) and based on the competing quotes of dedicated Retail Liquidity Providers (RLPs).
  - Furthermore, the transaction fees for the execution of retail orders will be reduced.
- With the new Xetra execution service retail orders will benefit from improved execution prices and lower transaction fees.
Segregation of retail flow allows for commission free retail trading at reference prices with price improvements covering the entire trading day

Main objectives
- Keep existing retail order flow
- Win back retail order flow from largest retail order flow provider (especially with focus on best execution policies)
- Participation in further growth of the German retail market

Critical Success Factors
- Retail OFPs: Low implementation and maintenance effort and predictable positive P&L impact incl. ease of use (e.g. automated order routing out of the best ex policy)
- Retail Investors (self-directed): Best execution during the main trading trading hours in a comprehensive instrument scope with various order types (ease of use)
- Liquidity Provider: Generation of revenues out of the retail order flow in an environment ensuring limited trading risks (i.e. uninformed flow only)

Basic concept
- Segregation of retail flow in the Xetra order book (aggressive and passive) with preferred execution of the retail orders against retail liquidity providers ensuring reference market matching with a price improvement option (9:00 - 17:30h)
- Reduced trading fees for retail brokers
- Extra-fees for Xetra Retail Liquidity Provider
### General Setup

| Retail Order | A retail order originates not from a client who has been classified as a “professional client” within the meaning of MiFID definition  
| | Is an agency order that originates from a natural person and is submitted to the Exchange by a RMO, provided that no change is made to the terms of the order with respect to price or side of market and the order does not originate from a trading algorithm or any other computerized methodology |
| Retail Member Organization | Trading members with retail order flow might register as a Retail Member Organization (RMO)  
| | RMOs are allowed to send retail orders via a new T7 trading capacity (legally A-account)  
| | Orders sent via the new trading capacity are considered as retail orders  
| | In general, retail orders are treated as regular orders. In addition, retail orders are executable against quotes/orders of Retail Liquidity Providers (RLP) |
| Retail Liquidity Provider | Trading members might register as an RLP. Number of RLPs per instrument is not limited  
| | With the registration an instrument basket is assigned to the RLP for which he is allowed/obliged to enter RLP quotes/orders. RLPs are allowed to send RLP quotes/orders via a new T7 trading capacity (legally P-account)  
| | During continuous trading RLP quotes/orders are only executable against retail orders. RLP quotes/orders do not participate in scheduled auctions  
| | However, they participate in volatility interruptions and are treated as regular orders and therefore executable against all other orders (incl. other RLP quotes/orders) in the order book |
Flow of Trading

Instrument scope
- In general, available for all tradable instruments on the trading venue Xetra (MIC: XETR)
- However, only **equities** will be supported with the start of Xetra Retail

Trading
- After the opening auction, retail orders might get executed against other orders in the order book or against the RLP quotes/orders (price-/retail-/time priority). RLP quotes/orders can be entered after the opening auction and can match against sitting and incoming marketable retail orders
- RLP quotes do not participate in scheduled auctions. With the start of the intraday auction all RLP quote/orders are deleted. However, they participate in volatility interruptions as regular orders (i.e. RLP quotes/orders might also get executed against non-retail orders or other RLP orders within a volatility interruption)
- With the start of the regular Xetra closing auction all RLP quote/orders are deleted
- RLP quotes/orders entered during a scheduled auction are rejected by the trading system
4 Enhancements of Pre-Trade Control Checks
Overview

Key Features

- Xetra will enhance its validation applied for maximum order value (MOV) and Maximum Order Quantity (MOQ) for orders & quotes in order book trading
- Minimum of user limit & product limit will determine maximum allowed order value for a given order per user & product
- Currently, Xetra offers a maximum order value check on order / quote entry and modification for order book trading
- With T7 Release 12.0, Xetra will enhance this MOV and introduce exchange specified limits for each product that will additionally be considered in MOV check
- The possibility to skip the MOV check based on the respective instruction send via the order layout will continue to be available via a flag (flag will only skip Trading Participant’s provided user limit component as it is applied today - not exchange limit)
5 Latency Enhancements
Latency Enhancements

Immediate Deletion of Quotes on Quote Inactivation
- Quotes can be deleted immediately together with quote inactivation request

No delay for Quote Activation if Session does not have any Quotes
- Quote Activation requests will not be delayed anymore, if session does not have any quotes

DSCP bit now indicating whether executed Quantity > 1
- DSCP bit from EOBI IP protocol header will now be used to indicate whether executed quantity was greater than 1

New EOBI Information reg. remaining aggressive Quantity
- EOBI Execution Summary will be enhanced by group of 3 fields with information reg. possibly remaining quantity in book
6 Further Changes & Enhancements
Further Changes & Enhancements (1/3)

Decommissioning Volume Discovery Orders
- Possibility to enter VDOs will be decommissioned
  - In all interfaces and GUIs, the order type VDO, its special second limit field, and the special valid value Good-till-Crossing (GTX) for the order validity (respectively TimeInForce code) will be removed.

Null Spread Quote in trading model Continuous Auction with Market Maker
- Null Spread quotes will be introduced to Continuous Auction with Market Maker making it more similar to Continuous Auction with Specialist
  - No Null Spread quotes will be allowed for quote type Standard
  - Entering a Null Spread Matching quote in Pre-call will be declined

TES Trading: New field TradePublishIndicator (1390) in ETI messages
- Existing mandatory field TradePublishIndicator (tag 1390) will be added to following ETI messages
  - Enter TES Trade Request
  - Modify TES Trade Request
  - Approve TES Trade Broadcast
- TES Trade Broadcast already exists for this message
- Existing field isDisclose will be added in TC545 Daily TES Maintenance as optional field
Further Changes & Enhancements (2/3)

Dedicated Rejection Reason for PTRL Consumption violation

- In case of a rejection of a transaction due to an exceeded PTRL consumption, a new dedicated rejection reason will be returned to customers via ETI SessionRejectReason (373) and FIXML BusinessRejectReason(380) fields:
  10016 Pretrade Risk Limit exceeded

Definition of Pre-Trade Risk Limits via HF session

- Possibility given to inquire and define PTRLS via HF sessions

Decommissioning of Contract Notes Reports

- Due to limited usage, Xetra Contract Notes Reports will be decommissioned in Q4 2023, as part of T7 Release 12.0
- Only affected Trading Participants are those still using the service and who therefore are required to take appropriate action
- All adjustments on Trading Participants’ side need to be completed by November 2023
- For more information see Xetra circular 050/2022
Further Changes & Enhancements (3/3)

Technical migration of processing reg. bilateral trades (non-CCP eligible trades)
- Post trade processing of bilateral trades, incl. the bilateral aggregation service, will be migrated to a new technical infrastructure (C7)
- No functional changes to existing services, besides decommissioning of Contract Notes report

Encryption of data traffic on leased lines
- Data traffic (not complete traffic) on leased lines will be SSH encrypted (no need for customers to care for SSH keys)

Display changes of numeric & numeric signed fields in dedicated XML reports
- Due to migration to enhanced data platform, adaption to content display of numeric/numeric signed fields with decimals takes place (stepwise approach)
- Following reports to be migrated with/after T7 R 12.0: TR101, TC550, PM700, PM710
- TC540 was already migrated to the new platform in 2021
Thank you!

Deutsche Börse AG
Mergenthalerallee 61
65760 Eschborn

If you have any further questions, please contact your Key Account Manager or send an e-mail to client.services@deutsche-boerse.com
### Xetra Retail - General Setup

<table>
<thead>
<tr>
<th>Retail Order</th>
<th>Retail Member Organization</th>
<th>Retail Liquidity Provider</th>
</tr>
</thead>
<tbody>
<tr>
<td>A retail order originates <strong>not</strong> from a client who has been classified as a “professional client” within the “Wertpapierhandelsgesetz” (§ 63 (7) WphG) definition (private investor).</td>
<td>Trading members with retail order flow might register as a Retail Member Organization (RMO).</td>
<td>Trading members might register as an RLP. Number of RLPs per instrument is not limited.</td>
</tr>
<tr>
<td>Is an <strong>agency order</strong> that originates from a <strong>private investor</strong> and is submitted to the Exchange by a RMO, provided that <strong>no change</strong> is made to the terms of the order with respect to <strong>price</strong> or <strong>side of market</strong> and the order does not originate from a <strong>trading algorithm</strong> or any other computerized methodology (excluding SORs for dynamic best execution policies).</td>
<td>RMOs are allowed to send retail orders via a <strong>new T7 trading capacity</strong> (legally A-account).</td>
<td>With the registration an instrument basket is assigned to the RLP for which he is allowed / obliged to enter RLP quotes / orders. RLPs are allowed to sent RLP quotes / orders via a new T7 trading capacity (legally P-account)</td>
</tr>
<tr>
<td></td>
<td>Orders sent via the new trading capacity are considered as retail orders.</td>
<td>During continuous trading RLP quotes / orders are only executable against retail orders. RLP quotes / orders do not participate in scheduled auctions.</td>
</tr>
</tbody>
</table>
Xetra Retail - Basic Matching Rules

During this trading phase in general the basic continuous trading matching rules apply. However, the following special rules need to be considered:

- **Rule 1:** Retail orders are matched against all available orders in the order book and all available RLP quotes / orders.

- **Rule 2:** The RLP quote / order is treated as fully integrated in the order book. However, for the execution of retail orders, a price / retail / time priority for the RLP quote / order applies. RLP quotes / orders cannot match against each other.

- **Rule 3:** In case of a crossed order book situation of a non-retail order and a RLP quote / order, where the non-retail order is top of book, the RLP-quote / order is disclosed to the market with the same limit as the crossed order limit on the opposite side.

- **Note:** During continuous trading a quote / order of a retail liquidity provider is only executable against a retail order and not against other orders or quotes in the order book. This is also true in case of more than one RLP per instrument, i.e. RLP quotes / orders do not match against each other.
Disclaimer

© Deutsche Börse Group 2023

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 Swiss 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 administrating 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 the 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: http://www.eurexchange.com/exchange-en/products/eurex-derivatives-us. In addition, Eurex representatives and participants may familiarise U.S. Qualified Institutional Buyers (QIBs) and broker-dealers with certain eligible Eurex derivatives 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: http://www.eurexchange.com/exchange-en/products/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

Bull®, DAX®, DivDAX®, eb.rexx®, Eurex®, Eurex Repo®, Eurex Strategy WizardSM, Euro GC Pooling®, FDX®, FWB®, GC Pooling®, GCP®, MDA®, ODX®, ODX®, TecDAX®, USD GC Pooling®, VDX®, VDX® New®, Xetra® and Xetra® Sm® are registered trademarks of DBAG. All MSCI indexes are service marks and the exclusive property of MSCI Barra. ATX®, ATX® five, CEC® 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. SL®®, SM®® and ST®® 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 Index®SM 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: http://www.eurexchange.com/exchange-en/resources/regulations/eu-regulations/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.