X-pand into the Future

eurex circular 232/08

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Recipients: All Trading Members of Eurex Deutschland and Eurex Zürich and Vendors
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Action required

1. Eurex Release 11.0: Distribution of Update Kit 1 for Simulation; 2. Additional Product Parameter in the Enhanced Broadcast Solution Interface Reference Data; 3. Important Information concerning Backward Compatibility of the Enhanced Broadcast Solution Interface; 4. Additional Simulation Scenarios

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Content may be most important for:

➲ All departments

Attachments:

none

Summary:

1. Eurex Release 11.0: Distribution of Update Kit 1 for Simulation

After close of trading on **October 10, 2008**, Eurex will distribute the Simulation Update Kit 1 for Eurex Release 11.0. Installation of the Eurex Release 11.0 Simulation Update Kit 1 on all MISSes and workstations in the appropriate simulation environment is highly recommended.

2. Additional product parameter in the Enhanced Broadcast Solution Interface reference data

In response to Member requirements, Eurex will add the product parameter “exercise style” to the reference data stream.The Enhanced Broadcast Solution reference data stream will contain the new parameter in the Eurex 11.0 simulation environment from **October 6, 2008** onwards.

3. Important information concerning backward compatibility of the Enhanced Broadcast Solution Interface

As previously announced in the Enhanced Broadcast Solution Interface Modification Notes, Eurex would like to especially draw Members’ attention to the fact that the Order Book Delta presence map bits have changed and decoder updates will be required even if Members are not intending to make immediate use of the new information.

4. Additional simulation scenarios

4.1 Additional Capital Adjustment in ALV on October 6, 2008

4.2 Simulation HOST failover tests (specifically aimed at Enhanced Broadcast Solution users).

1. Eurex Release 11.0: Distribution of Update Kit 1 for Simulation; 2. Additional Product Parameter in the Enhanced Broadcast Solution Interface Reference Data; 3. Important Information concerning Backward Compatibility of the Enhanced Broadcast Solution Interface; 4. Additional Simulation Scenarios

1. Eurex Release 11.0: Distribution of Update Kit 1 for Simulation

After close of trading on **October 10, 2008**, Eurex will distribute the Simulation Update Kit 1 for Eurex Release 11.0.

The update kit contains several functional and technical improvements as well as BESS and VALUES changes and can be used in simulation from October 13, 2008 onwards. Although the update kit is not mandatory its installation is highly recommended on all MISSes and workstations in the appropriate environment.

Please note that support can only be provided on the basis of the most recent software version.

The update kit will be transmitted to Eurex participants via File Transfer Protocol (FTP) on Friday October 10, 2008, after 22:00 CET. The software will only be sent to the registered report nodes. In parallel, the kits will be made available for download from the Eurex website under the following path from October, 10, 2008 onwards:

www.eurexchange.com > Member Section > Releases > Eurex 11.0 > Software Kits > Simulation Kits

Please ensure that the simulation environment is connected to the Eurex network on Friday October 10, 2008 from 22:00 CET onwards and that the following target directories have a total capacity of free space of approximately 50 MB for data transmission:

- **SUN Solaris (MISS): /opt/gate/transferdir/release01**
- **Windows (MISS): <ftp-root directory>\release01**

The simulation kits should be installed according to the instructions contained in the “readme” file, which will be sent together with the kits to the target transfer directory.

If you have not received the update kits by Tuesday October 14, 2008, please contact the Eurex Customer Technical Support on tel. +49-69-211-1 12 00.

Should you experience any difficulties logging in to the “Member Section”, please contact the Member Services & Admission team on tel. +49-69-211-1 17 00.

2. Additional product parameter in the Enhanced Broadcast Solution Interface reference data

In response to Member requirements Eurex will add the product parameter “exercise style” to the reference data stream.

The Enhanced Broadcast Solution reference data stream will contain the new parameter in the Eurex 11.0 simulation environment from **October 6, 2008** onwards. The introduction of this parameter in the Eurex 11.0 production environment is scheduled for November 10, 2008.

As of October 10, 2008, the final version of the document “Enhanced Broadcast Solution - Interface Specification” reflecting this change will be available on the Eurex website under the path:

www.eurexchange.com > Member Section > Releases > Eurex 11.0 > Interfaces > Enhanced Broadcast Solution

3. Important information concerning backward compatibility of the Enhanced Broadcast Solution Interface

Please note that with the addition of the Trade Sequence Number in Eurex Release 11.0 the Order Book Delta presence map bits have changed. For this reason, decoder updates will be required for all Members even if Members are not intending to use the Trade Sequence Number. Members are strongly advised to verify the compatibility of their applications with the current interface.

For details please refer to chapter **2.2 Message Structure Enhancements** in the document "Enhanced Broadcast Solution Modification Notes" which is available on the Eurex website under the path:

www.eurexchange.com > Member Section > Releases > Eurex 11.0 > Interfaces > Enhanced Broadcast Solution

4. Additional Simulation Scenarios

4.1 Additional Capital Adjustment in ALV on October 6, 2008

In order to provide Members with the possibility to perform tests with the new Capital Adjustment procedure on series with version numbers higher than "0", an additional Capital Adjustment will be offered in the product ALV on October 6, 2008 and will change the series version number from "1" to "2".

The series version number "1" will be created with the Capital Adjustment in the product ALV on September 30, 2008 as announced in the Member Simulation Guide.

4.2 Simulation HOST failover tests (specifically aimed at Enhanced Broadcast Solution users)

In order to provide Members with the possibility to perform tests of their own applications' failover behavior in the event of a host crash/failover on the Eurex® system in the simulation environment, Eurex will initiate HOST failovers in the Eurex Release 11.0 Simulation environment on the following days:

- October 1, 2008; 17:00 - 18:00 CET
- October 9, 2008; 17:00 - 18:00 CET

During the above-mentioned times, individual simulation hosts will be shutdown between four and six times so another host can take over the appropriate processes. As a result of these actions events listed below for the different Eurex front-end interfaces may occur. The actual front-end events occurring in this context depend on the Member activity within the respective time frame (e.g. frequency of order add-transactions).

Enhanced Broadcast Solution

For the Order Book Delta messages the source identifier (srcId = the identifier of the message disseminating host) will change and the first sequence numbers of all types received from the new host no longer follow the sequence established by the previous host, each time the other host takes over. Members will be able to verify the fail-over behavior of their own applications in detection of out of sequence or dropped/missing messages.

For more details please refer to chapter 9.3.6 "Eurex Host Fail-over" in the document "Enhanced Broadcast Solution - Interface Specification" which is available on the Eurex website under the path:

www.eurexchange.com > Member Section > Releases > Eurex 11.0 > Interfaces > Enhanced Broadcast Solution

Enhanced Transaction Solution

For open Transport Message Requests, the following response completion codes may be received:

19994 BUSY: TXN REJECTED. TRY AGAIN
19996 TRANSACTION BEING PROCESSED. CHECK RESULT OF REQ. TXN
19999 CHECK RESULT OF REQ. TXN

Unreliable Information Notifications may be lost.

Recoverable Event Notifications may be “empty” (low probability). These correspond to the “NoData” broadcasts in VALUES.

VALUES API

For open Application Requests the following response completion codes may be received:

19994 BUSY: TXN REJECTED. TRY AGAIN
19996 TRANSACTION BEING PROCESSED. CHECK RESULT OF REQ. TXN
19999 CHECK RESULT OF REQ. TXN

On unreliable broadcast streams Gap Notifications may be received (if subscribed to).

On recoverable broadcast streams “NoData” broadcasts may be received (low probability).

For further information on the VALUES broadcast handling, also see the document “Eurex Release 11.0 VALUES API Member Front End Development Guide - Volume 2 - Eurex Application Requests”, chapter 2.5.1 “Subscription Data Recovery”.

In order to provide sufficient load in the Enhanced Broadcast Solution streams ask and bid prices will be generated in the Eurex Release 11.0 Simulation environment for the following products:

Options products:

For ALV and OESX an order book depth = 1 (best bid, best ask) will be provided.
For OGBM and DB1 an order book depth of up to 20 will be provided.

Futures products:

For ALVF and FGBL an order book depth of up to 20 will be provided.
For FESX an order book depth of up to 30 will be provided.
For FESX calendar Spread orders will be generated with an order book depth of up to 5.
For FGBL calendar Spread orders will be generated with an order book depth of up to 10.

Please note: For options products an order book depth of up to 10 and for futures products an order book depth of up to 20 will be distributed via the Enhanced Broadcast Solution interface.

Members that plan to participate in the tests with the Enhanced Broadcast Solution interface should ensure that they subscribe to the appropriate Multicast addresses provided in the reference data stream.

Frankfurt, September 26, 2008