X-pand into the Future

eurex *information*

Date: Frankfurt, September 25, 2007
Recipients: All Trading Members of Eurex Deutschland and Eurex Zürich and Vendors
Authorized by: Alexander Höptner

High priority

Eurex Technology Roadmap: Introduction of the Enhanced Broadcast Solution in the Eurex 10.0 Simulation Environment; Minor Change to the Eurex New Socket Data Feed

Related Eurex Circulars: 115/07, 181/07

Contact: Andreas Peé, tel. +49-69-211-1 86 55; Richard Allen, tel. +49-69-211-1 83 95

Content may be most important for:	**Attachments:**
➲ All departments	Fax Reply Sheet Only on the Eurex website: 2. Enhanced Broadcast Solution - Quick Start Guide 3. Enhanced Broadcast Solution - Usage Examples 4. Enhanced Broadcast Solution - Sample Data 5. Enhanced Broadcast Solution - Initial Multicast Addresses

Summary:

As previously announced in the Eurex Release 10.0 Member Simulation Guide published together with Eurex Circular 181/07, Eurex will introduce the Enhanced Broadcast Solution in the Eurex 10.0 simulation environment on **October 9, 2007**.

This Eurex information contains more details concerning the introduction of the Enhanced Broadcast Solution and also provides information regarding a minor change to the existing Eurex New Socket Data Feed. In particular, the following topics are addressed:

- Availability of Pseudo Code and Sample Messages
- Focus Days for the Enhanced Broadcast Solution
- Modification of the existing Eurex New Socket Data Feed
- Participation and Single Point of Contact on Focus Days

Eurex Deutschland
Neue Börsenstraße 1
60487 Frankfurt/Main
Mailing address:
60485 Frankfurt/Main
Germany

T +49-69-211-1 17 00
F +49-69-211-1 17 01
customer.support@
eurexchange.com
Internet:
www.eurexchange.com

Management Board:
Thomas Book, Thomas Lenz,
Michael Peters, Andreas Preuß,
Peter Reitz, Jürg Spillmann

ARBN: 101 013 361

Eurex Technology Roadmap: Introduction of the Enhanced Broadcast Solution in the Eurex 10.0 Simulation Environment; Minor Change to the Eurex New Socket Data Feed

The Enhanced Broadcast Solution Interface will be introduced in the simulation environment on **October 9, 2007**. From this point onwards members can perform tests with this new interface in the Eurex 10.0 Simulation environment.

A. Availability of Pseudo Code and Sample Messages

On Tuesday, September 25, 2007 Eurex will publish pseudo code and sample messages from the Enhanced Broadcast Solution. The sample messages will be published in both ASCII and binary format and can be used by members for comparison purposes. The sample messages as well as all other attachments will be made available for download on the Eurex website under the path:

www.eurexchange.com > Member Section > Releases > Eurex 10.0 > Manuals > Technical Manuals

B. Focus Days for the Enhanced Broadcast Solution

In order to provide members with the opportunity to test the Enhanced Broadcast Solution under load situations, Eurex will provide focus days for this purpose on the dates and times listed below.

- Wednesday, October 17, 2007; 19:00 – 20:30*
- Saturday, October 20, 2007; 15:00 – 16:30*
- Wednesday, October 24, 2007; 19:00 – 20:30*
- Wednesday, October 31, 2007; 19:00 – 20:30*
- Wednesday, November 7, 2007; 19:00 – 20:30*
- Saturday, November 10, 2007; 15:00 – 16:30*

(*all times in CET)

During these focus days Eurex will provide high liquidity in selected options products with an order book depth of approximately 10 price levels. Please Note: The liquidity provided on those focus days scheduled for a Saturday will be higher than on those during the week.

In addition to the regular simulation support on Monday to Friday, Eurex will provide additional support during those focus days taking place on a Saturday. Please note: During these focus days support will be provided for the Enhanced Broadcast Solution only.

During the dates and times listed above the support teams can be reached at the following telephone numbers:

Vendor Relations & Markets Readiness:	+49-69-211-1 86 55 or -1 83 95
Customer Technical Support:	+49-69-211-1 12 00

In order to make effective use of the focus days Eurex suggests that Members should perform the following test scenarios.

1. Interpretation of the Reference Data Stream

The Reference Data Stream includes the Multicast addresses of all products. Members should verify first if they are able to interpret this stream correctly. A list of all products with the corresponding product groups valid for the Enhanced Broadcast Solution in the simulation environment can be found in the document “Member Simulation Guide”, Appendix 9.3.

The IP addresses for the respective channels are also disseminated in the reference data stream. The Multicast group / port for the reference data are as follows (also described in the document “Network Access to Exchange Applications”, chapter 6.1.6). The IP addresses of the reference data streams are not planned to be changed::

Service / Environment	Service A	Service B
Production	224.0.29.255:50099	224.0.30.255:50099
Simulation	233.49.81.127:50199	233.49.81.255:50199

For verification purposes members will be provided once with a list of initial Multicast addresses of all Products in the simulation environment (please see the attached file). Please note that some of these Multicast addresses will be changed in the course of the Eurex Release 10.0 Member simulation to give the members the opportunity to verify if their applications could handle these changes.

2. Synchronization of Broadcasts

The Enhanced Broadcast Solution will disseminate market data in the form of complete order book information broadcasts (snapshot broadcasts) provided at periodic intervals and continuous order book updates (delta broadcasts) in parallel. A synchronization of the broadcasts in the individual streams in order to display the complete order book needs to be performed by the receiving application. To offer members the opportunity to test the synchronization of broadcasts, Eurex will provide high liquidity in selected options products as mentioned before.

Outside of the Focus Days liquidity (bid/ask prices) will be provided during normal trading hours throughout the simulation in the following products: FGBL, FESX, OGBM, OESX, ALV and ALVF. The order books of these products will be filled with reasonable bid and ask prices up to a market depth level of 10.

3. Verification of the Robustness of Members receiving Application

Eurex will change the order book depth of selected products and rearrange the broadcast channels for testing purposes which will result in changes in the Multicast addresses. Thus, members will have the opportunity to verify the flexibility and the robustness of their receiving application.

4. Test of the Live-Live Concept

The Eurex Enhanced Broadcast Solution data stream will be propagated in a “live-live” concept by disseminating two services, A and B. Both services contain the same streams but using different Multicast groups. Only one service (A or B) will be transmitted per leased line connection. Eurex advises members to subscribe to both services by ordering two leased lines to reduce the possibility of data loss. Members should test whether their application is able to cater for packets which may have been lost or which arrive out of sequence.

Information regarding the order of additional leased lines can be found together with Eurex circular 115/07 which was published on June 8, 2007.

C. Modification of the existing Eurex New Socket Data Feed

As previously announced, together with the introduction of Release 10.0, Eurex will be able to deactivate a futures contract which does not have an open interest with immediate effect. Trading activity will not be possible in deactivated contracts or combinations involving these contracts and there will be no inside market

for a deactivated contract. All orders and quotes entered in a contract before its deactivation will be deleted during the end-of-day processing. Open OTC transactions will not be deleted but the counterparty will not be able to approve the pending transactions.

Although inactive, the contract will be contained in the Reference Data stream of the Eurex New Socket Data Feed which is distributed via the interface prior to each Trading Day. The “INACTIVE” status of the contract will be contained in the field “ACTION INDICATOR”.

Although the possibility that “normal” prices are disseminated for such contract is small, applications used in conjunction with the Eurex New Socket Data Feed should be able to manage these contracts. For more information please refer to page 23 of the Eurex New Socket Datafeed / Final Interface Specification for more details. The updated documentation is available under:

www.eurexchange.com > Member Section > Releases > Eurex 9.0 > Manuals > Technical Manuals

Please note: Eurex can reactivate a contract that has been deactivated before. The contract will be available for trading from the next business day.

D. Participation and Single Point of Contact on Focus Days

For planning purposes we would like to ask you to fill in the attached form and return it to us by October 5, 2007.

If you have any questions or request further information, please contact Andreas Pée at tel. +49-69-211-1 86 55 or Richard Allen at tel. +49-69-211-1 83 95.

Frankfurt, September 25, 2007

F a x - R e p l y

Enhanced Broadcast Solution SPOC

Eurex Release 10.0 Simulation – 17 September 2007 – 16 November 2007

We kindly ask you to fill in and return this fax by 5 October 2007.

To: Eurex Markets Services **Fax: +49-69-211-1 17 01**

Member–ID _____

Company _____

Single Point of Contact (SPOC) for the Enhanced Broadcast Solution Simulation

Name _____

Phone _____

FAX _____

Email: _____

Eurex will provide focus days for the Enhanced Broadcast Solution at the times listed below. Please indicate in the box provided if and when you intend to participate in these focus days.

Date: Wednesday, 17.10.07, 24.10.07, 31.10.07 and 07.11.07
Time: 19:00 – 20:30 CET

☐ Yes, we intend to participate

☐ No, we do not intend to participate

Date: Saturday, 20.10.07 and 10.11.07
Time: 15:00 – 16:30 CET

☐ Yes, we intend to participate

☐ No, we do not intend to participate

Date: _____ Signature: _____

Eurex Deutschland
Neue Börsenstraße 1
60487 Frankfurt/Main
Mailing address:
60485 Frankfurt/Main
Germany

T +49-69-211-1 17 00
F +49-69-211-1 17 01
customer.support@
eurexchange.com
Internet:
www.eurexchange.com

Management Board:
Thomas Book, Thomas Lenz,
Michael Peters, Andreas Preuß,
Peter Reitz, Jürg Spillmann

ARBN: 101 013 361