X-pand into the Future

e u r e x *circular 223/05*

Date: Frankfurt, November 16, 2005
Recipients: All Eurex members and vendors
Authorized by: Peter Reitz

⚠ **High Priority**

Eurex Bandwidth Upgrade

1. Changes to Eurex Rules and Regulations

2. Schedule for Migration Weekend

Related Eurex Circulars: 083/05

Contact: Customer Support, tel. +49-69-211-1 17 00

Content may be most important for:	**Attachments:**
➲ All departments	1. Updated Fee Regulations for Eurex Deutschland 2. Updated Implementation Regulations of Eurex Deutschland and Eurex Zürich Concerning Technical Equipment 3. Schedule for migration weekend 4. Reply fax

Summary:

1. Changes to Eurex Rules and Regulations

In its session on October 19, 2005 the Exchange Council of Eurex Deutschland passed adjustments to the communications fees in the scope of bandwidth extension for member connections to the Eurex® system. Effective **December 1, 2005** new communications fees per month will become applicable for connecting members via a bandwidth of 256 kbit/s as described in this circular.

Furthermore, the Management Boards of the Eurex Exchanges approved changes to the Implementation Regulations of Eurex Deutschland and Eurex Zürich Concerning Technical Equipment (Implementation Regulations) resulting from the bandwidth extension. These changes will become effective on **November 28, 2005** and are enclosed in this circular as attachment 2.

2. Schedule for the Migration Weekend

As already communicated in Eurex circular 083/05, the bandwidth of your connection to Eurex will be migrated from presently 64 kbit/s or four times 64 kbit/s to 256 kbit/s with start of trading on Monday, November 28, 2005.

In order to guarantee a smooth change-over of the network infrastructure we kindly request your support, as it will be necessary to start the Eurex architecture on your Member Integrated System Servers (MISS) to check a successful migration. No re-configurations will be required on your side. For details please see the schedule in attachment 3.

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Management Board:
Rudolf Ferscha (CEO), Jürg Spillmann,
Daniel Gisler, Thomas Lenz,
Peter Reitz

Eurex Bandwidth Upgrade

1. Changes to Eurex Rules and Regulations

2. Schedule for Migration Weekend

1. Changes to Eurex Rules and Regulations

In its session on October 19, 2005 the Exchange Council of Eurex Deutschland passed adjustments to the communications fees in the scope of bandwidth extension for member connections to the Eurex® system. Effective **December 1, 2005** the following communications fees per month will become applicable for connecting members via a bandwidth of 256 kbit/s:

Internet-based connections:

– per line of 256 kbit/s bandwidth	EUR	500

Connections based on leased lines:

– For each one of the first two connections of 256 kbit/s bandwidth each	EUR	750
– As of the third connection of 256 kbit/s bandwidth	EUR	2,000

The new fees for internet-based connections are equivalent to the present fees for internet connections of 64 kbit/s bandwidth. As of the third line, new fees for leased line connections correspond to the present fees for multi-channel connections which also offer a total of 256 kbit/s bandwidth by means of four dedicated channels of 64 kbit/s each.

The new fees for the first two dedicated connections of 256 kbit/s each via leased lines will be 250 euro less compared to the present fees for dedicated lines of 64 kbit/s. This pricing is meant to consider the interests of smaller participants in particular who will continue to be able to connect to Eurex in a cost-effective way even after bandwidth extension.

The waiver of communication fees of up to 1,000 euro granted so far per month and participant will cease to exist in the future. For an updated version of the Fee Regulations for Eurex Deutschland please see attachment 1.

Furthermore, the Management Boards of the Eurex Exchanges approved changes to the Implementation Regulations of Eurex Deutschland and Eurex Zürich Concerning Technical Equipment (Implementation Regulations) resulting from the bandwidth extension. These changes will become effective on **November 28, 2005** and are enclosed in this circular as attachment 2.

Should you have any questions, please contact Gregor Althoff at tel.: +49-69-211-1 89 22 or e-mail: gregor.althoff@eurexchange.com.

2. Schedule for Migration Weekend

As already communicated in Eurex circular 083/05, the bandwidth of your connection to Eurex will be activated from presently 64 kbit/s or four times 64 kbit/s to 256 kbit/s with start of trading on Monday, **November 28, 2005.**

For this purpose Eurex prepared and tested the network infrastructure during the past months. On the weekend of November 26 and 27, 2005, network parameters will be converted and all new 256 kbit/s channels put into operation.

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In order to guarantee a smooth change-over of the network infrastructure we kindly request your support, as it will be necessary to start the Eurex architecture on your Member Integrated System Servers (MISS) to check a successful migration. No re-configurations will be required on your side.

The functional test will take place on the weekend of November 26, 2005. For European Eurex participants this will be in the time between 12:00 and 15:00 CET and for American Eurex participants between 08:00 and 11:00 CST. For details please see attachment 3.

For the execution of this functional test, analysis and elimination of possible connection problems, we kindly ask you to name a contact person who can be reached during above-mentioned weekend and act as central contact. This person should possess technical knowledge about the network and have access rights/passwords in case routers/MISS servers need to be re-configured. Please let us have the communication data of this contact person by sending back the enclosed fax reply (attachment 4) by November 21, 2005.

Should you have any questions please feel free to contact the team members of Technical Member Readiness at telephone +49-69-211-1 17 10.

Frankfurt, November 16, 2005

Fee Regulations for Eurex Deutschland

(...)

2 Participation Fee

2.1 The annual fee for participation in options and futures trading is determined by the Board of Management (Geschäftsführung) of Eurex Deutschland.

2.2 The participation fee pursuant to section 2.1 shall be increased when transactions entered into the EDP system of Eurex Deutschland by an Exchange Participant exceed for any Exchange day the transaction limits established by the Board of Management of Eurex Deutschland, with respect to the Exchange Participant's total transactions, transactions per product or mass-quote-release transactions. The Board of Management of Eurex Deutschland shall establish the increased fees pursuant to the costs actually incurred as a result of exceeding the transaction limits. Notwithstanding the provisions of section 2.1, the increased fees shall be charged on a monthly basis pursuant to section 6.1.

2.3 Notwithstanding the fees to be paid by the Exchange Participants according to sections 2.1 and 2.2, separate fees shall be charged in the specified amount for the services of Eurex Deutschland listed below:

2.3.1 Communications Fees:

~~Depending on the chosen connection alternative to the EDP system of Eurex Deutschland and the amount of dedicated lines connected pursuant to the application of an Exchange Participant, the following communication fees shall be charged per month:~~

~~For each connection via the Internet 500 Euro~~

~~For each connection via a dedicated line 1,000 Euro~~

~~For each Multi-Channel-Connection 2,000 Euro~~

~~The communication fees charged per Exchange Participant and per month pursuant to section 2.3.1 will be remitted by an amount of up to 1,000 Euro.~~

Depending on the chosen connection alternative to the EDP system of Eurex Deutschland and the amount of dedicated lines connected pursuant to the application of an Exchange Participant, the following communication fees (per connection) shall be charged per month:

Internet-based connections:

For each connection with 256 kbps bandwidth	500 Euro

Connections based on dedicated lines:

For the first two connections with 256 kbps bandwidth each	750 Euro
From the third connection with 256 kbps bandwidth each	2,000 Euro

2.3.2 Notwithstanding section 2.1, the communication fees detailed in section 2.3.1 shall be charged per month directly after rendering the respective service according to section 6.1.

2.4 For Exchange Participants admitted in the context of a cooperation arrangement which Eurex Deutschland has entered into with another exchange, the Board of Management of Eurex Deutschland may reduce the annual basic fixed fee, provided that the Exchange Participants of Eurex Deutschland wishing, in the context of such cooperation arrangement, to trade on such other exchange are required to pay no or a correspondingly reduced fee to such exchange.

(...)

10 Effectiveness of the Fee Regulations

These Fee Regulations shall become effective ~~upon their publication~~as of December 1, 2005.

Implementation Regulations of Eurex Deutschland and Eurex Zürich Concerning Technical Equipment

1 Definitions

(…)

1.3 Connection Alternatives

Exchange Participants may choose to be connected to the Eurex system either via dedicated lines with data channels of a bandwidth of ~~64~~ 256 kbps or via ~~the~~ Internet (or by using a connection combining dedicated lines and Internet). If the Exchange Participant is connected to the Eurex system via the Internet, the data throughput of such connection shall be restricted to ~~64~~ 256 kbps~~. A connection to the Eurex system via a dedicated line may also be a Multi-Channel-Connection. A Multi-Channel-Connection consists of four individual data lines, each such individual line having a bandwidth of 64 kbps.~~

Exchange Participants with the clearing status of a Direct Clearing Member (DCM) and General Clearing Member (GCM) must be connected to the Eurex system via at least one connection based on a dedicated line and one backup connection.

(…)

7 Transmission Alternatives for Telecommunication

7.1 Dedicated Lines

7.1.1 Control of Dedicated Lines

The Eurex Exchanges shall control the dedicated lines for the entire physical Network of the Eurex Exchanges. Installation and operation of the dedicated lines for telecommunications which are necessary for the connection between the Participant Front End Installation and the Eurex Exchanges shall be carried out by the Eurex Exchanges or may be contracted out by the Eurex Exchanges.

7.1.2 Range of Dedicated Lines

The Eurex Exchanges shall make available a connection to the location of the Exchange Participant. The precondition for this is that the transmission paths and types of connection supported by the Eurex Exchanges are available for an Exchange Participant and, under normal conditions and adequate expense, able to be established and operated while ensuring that the security and quality standards set forth by the Eurex Exchanges are attained.

7.1.3 Integration into Network of the Eurex Exchanges

The Eurex Exchanges decide to which access point a dedicated line shall be connected.

7.1.4 Security Against Failure

In order to improve security against failure, locations connected to the Eurex system via a dedicated line must have at least one backup connection via an additional dedicated line or via the Internet. ~~Locations connected to the Eurex system via a dedicated line with the configuration of a Multi-Channel-Connection must also have one backup connection via an additional dedicated line with the configuration of a Multi-Channel-Connection.~~

7.1.5 Number of Dedicated Lines

Differing from the above regulations, the Boards of Management of the Eurex Exchanges can set a minimum and maximum number in respect of the dedicated lines which an Exchange Participant has applied for to have its Participant Front End Installation connected to the system of the Eurex Exchanges, to the extent that such action is necessary for reasons relating to system performance or for other reasons. ~~No more than one Multi-Channel-Connection plus one backup connection may be installed at each Exchange Participant's location.~~

(…)

9 Emergency Plan

9.1 Responsibility

Each Exchange Participant is responsible for taking appropriate measures for emergency planning and management.

9.2 Emergency Computer Center

It is optional for the Exchange Participant to establish an inactive emergency computer center (computer failure center) and, if necessary, to connect this center with a~~n inactive~~ line to an access point. The costs incurred by the Eurex Exchanges shall in such case be charged to the Exchange Participant.

9.3 Connection Between Two Locations

If an Exchange Participant operates at two or more locations, it may equip any two locations with a connection in order to ensure breakdown protection in the event of a disruption of the connection between one location and an access point.

(…)

Eurex Bandwidth Upgrade Schedule

Please find attached the schedule and description of the necessary steps to perform the connection test for the Eurex Bandwidth Upgrade on weekend November 26, 2005. Even though all new network connections have already been tested in collaboration with your network technicians, there is still the risk of configuration errors being revealed in the course of this connection test (for example due to network changes after the initial test). We therefore urgently recommend that a network technician be available on your side during the entire connection test to resolve any problems which might occur.

Please find below a detailed schedule for the connection test and the necessary activities on your side.

Around 11:45 CET

Eurex will confirm via SMS and e-mail that the connection test will start as scheduled.

12:00 to 18:00 CET

Members are requested to start their MISS infrastructure and to connect to the Eurex® system. **Please note** that under no circumstances the MISS infrastructure may be connected before the above-mentioned confirmation message has been received (in case your MISS is booted via scripts make sure that this does not happen before message receipt). To verify that the connection was established successfully members may log in to the Eurex® Trading System and open the newsboard message window. In case of a successful connection, the message “connected via 256 kbs” appears in the newsboard message window. Nevertheless, it might still be possible that the connection to the Eurex® Trading System was not routed correctly. In this case you will be contacted by Eurex staff, who will be monitoring the connection status of each member. For this reason, please make absolutely sure that the named contact person is available until the official final confirmation message which is planned for around 18:30 CET.

Around 18:30 CET

Eurex will send out a final message via e-mail/SMS/Eurex newsboard confirming that the Eurex bandwidth upgrade was successfully completed. We urgently ask all members not to carry out any fail-over tests until this message has been received.

In the unlikely event that the upgrade could not be completed successfully and a roll-back becomes necessary, all systems on the exchange side will have to be rolled back to the previous stage (64 kbit/s connection). In this case, no system or software changes will be required on your side. However, to verify a successful roll-back, another connection test would be required. The schedule for this additional connection test, if necessary, will be published via e-mail and SMS.

Our technical Help Desk will be available for trouble shooting and in case of technical questions under the following numbers:

Eurex Europe	**Eurex Zurich**	**Eurex Chicago**
+49-69-211-1 12 00	+41-58-854 29 92	+1-312-544 12-00

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Fax Reply-SPOC for Eurex Bandwidth Upgrade - Connection Test

Eurex Network Upgrade - Connection Test - November 26, 2005:

- 12:00 – 15:00 CET,

- 08:00 – 11:00 CST

Please fill in and return this sheet by **November 21, 2005**.

To: Customer Support **Fax: +49-69-211-1 17 01**

Eurex Member ID _____

Company _____

Single Point of Contact (SPOC) for Eurex Network Upgrade - Connection Test

Name: _____

Telephone: _____

Mobile phone*: _____

Fax : _____

Email*: _____

Date: _____ Signature: _____

* Information necessary since all information will be provided via email and mobile phone !