clear to trade

eurex clearing *circular 051/12*

Date: June 25, 2012
Recipients: All Clearing Members of Eurex Clearing AG, all Trading Participants of Eurex Deutschland and Eurex Zürich and Vendors
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⚠ **Action required** ⚠ **High priority**

Important Infrastructure Changes for the Eurex Clearing FIXML Interface and for the Enhanced Risk Solution

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Content may be most important for:

➲ IT/System Administration

Attachments:

none

Summary:

Eurex Clearing will enhance its in-house infrastructure for the Eurex Clearing FIXML Interface and the Enhanced Risk Solution. Eurex Clearing will modify the current two IP address solution (per environment) to a simplified data-centre independent solution based on one IP address per application and environment. This requires Members with established connections to either the Eurex Clearing FIXML Interface or the Enhanced Risk Solution to change their setup according to the details as described in this circular.

Furthermore, for the Enhanced Risk Solution, Eurex Clearing will update the qpid AMQP broker to a new version and replace the server certificates.

Important Infrastructure Changes for the Eurex Clearing FIXML Interface and for the Enhanced Risk Solution

Eurex Clearing will enhance its in-house infrastructure for the Eurex Clearing FIXML Interface and the Enhanced Risk Solution. Eurex Clearing will modify the current two IP address solution (per environment) to a simplified data-centre independent solution based on one IP address per application and environment. This requires Members with established connections to either the Eurex Clearing FIXML Interface or the Enhanced Risk Solution to change their setup according to the details as follows.

Modifications for the Eurex Clearing FIXML Interface

For the Eurex Clearing FIXML Interface the following setup will be used:

Eurex Clearing will use one common IP address for simulation and one common IP address for production. Both IP addresses will be data-centre independent. The new IP addresses for the Eurex Clearing FIXML Interface will be as follows:

- For simulation: **90.162.253.101**
- For production: **90.162.253.100**

The name of the server certificates will be as follows:

- For simulation: **ecag-fixml-simu1.deutsche-boerse.com**
- For production: **ecag-fixml-prod1.deutsche-boerse.com**

These certificates are already used in simulation and production. Therefore, no change of the public keys for the server certificates is needed. Please note that the second certificates are no longer used.

The changes for the **Eurex Clearing FIXML Interface** will become effective in **simulation** on **July 4, 2012** (start of business) and in **production** on **July 9, 2012** (start of business).

The new configuration for the Eurex Clearing FIXML Interface can be found in the following table:

Environment	IP Address	Port	Certificate	Effective
Simulation	90.162.253.101	10170	ecag-fixml-simu1.deutsche-boerse.com	July 4
Production	90.162.253.100	10070	ecag-fixml-prod1.deutsche-boerse.com	July 9

Modifications for the Enhanced Risk Solution

Eurex Clearing will make several technical modifications to the Enhanced Risk Solution. In detail, the following changes are made:

Eurex Clearing will use one common IP address for simulation and one common IP address for production. Both IP addresses will be data-centre independent. The new IP addresses for the Eurex Clearing FIXML Interface will be as follows:

- For simulation: **90.164.253.101**
- For production: **90.164.253.100**

Eurex Clearing will update the AMQP broker from Red Hat MRG-M 1.2 to the latest version Red Hat MRG-M 2.1.

For technical reasons, Eurex Clearing will use new server certificates for the Enhanced Risk Solution with four years validity. The public keys and the names of the certificates will also change. The new certificate names will be as follows:

- For simulation: **erss01.deutsche-boerse.com**
- For production: **ersp01.deutsche-boerse.com**

As of the end of this week, the new public keys can be downloaded in the Member Section of the Eurex website www.eurexchange.com via the following link:

Technology > System Documentation > Current Eurex Releases > Eurex 14.0 > Interfaces > Enhanced Risk Solution

The certificates of the root CA can be downloaded at:
https://www.verisign.com/support/verisign-intermediate-ca/secure-site-intermediate/index.html

The changes for the **Enhanced Risk Solution** will become effective in **simulation** on **July 4, 2012** (start of business) and in **production** on **July 16, 2012** (start of business).

Details for the changes for the Enhanced Risk Solution can be found in the following table:

Environment	IP Address	Port	Certificate	Effective
Simulation	90.164.253.101	18181	erss01.deutsche-boerse.com	July 4
Production	90.164.253.100	18080	ersp01.deutsche-boerse.com	July 16

Important Router Configuration Information

As the new Eurex Clearing FIXML Interface or Enhanced Risk Solution infrastructure will only have one common source IP subnet (**90.162.253.0/24** and **90.164.253.0/24**) for both data centres, customers with dual connectivity to Deutsche Börse should be aware, that if Dynamic NAT is used on their Cisco Edge router towards Deutsche Börse, that connection difficulties may occur due to asymmetrical routing. If this is the case, then the Member has to take care that the routing metrics is adjusted in such a way that symmetrical routing is ensured. Also, with dual connectivity to Deutsche Börse, it is important to consider the use of Cisco's HSRP functionality in the Member LAN for the IP Gateway address to the new networks, to ensure connectivity in the case of a customer router failure.

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