Xetra Circular 204/06

BÖRSE FRANKFURT

Action required! High priority!

To all Xetra® Members and Vendors

Recipients: Traders, Technical Contacts, General

Management Board

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November 3, 2006

Activation of "Architecture Throttle" for Xetra MISS-Front-End Installations

Dear Sir or Madam,

The Management Board of Frankfurter Wertpapierbörse (Frankfurt Stock Exchange (FWB)) has decided to activate the so-called Architecture Throttle for all Xetra MISS front-end installations with effect from December 1, 2006.

Activation of the Architecture Throttle is associated with the Xetra network upgrade from 128 kbps to 512 kbps bandwidth scheduled for December 4, 2006. By means of activating the Architecture Throttle orderly exchange trading shall be ensured after successful completion of the bandwidth upgrade. The Architecture Throttle enables limitation of the frequency at which a MISS can send transactions to the Xetra back-end.

The Architecture Throttle is an integral part of the MISS architecture and is controlled by FWB by means of two parameters:

1. **Maximum Transaction Rate:**
   The value of this parameter defines the maximum frequency at which a member can send transactions via MISS to the Xetra back-end.

2. **Maximum Queue Length:**
   The value of this parameter defines the maximum number of transactions that are buffered in a queue when the maximum transaction rate is exceeded. Once the maximum queue length is surpassed, the MISS architecture rejects additional transactions using error message no. 13300 „BUSY: TXN REJECTED. TRY AGAIN". **Members need to re-enter rejected transactions in the Xetra system.**

Management Board
Andreas Preuß
(Chairman)
Rainer Riess
(Deputy Chairman)
Matthias Ganz
Roger Müller
Jürgen Röthig

For each member MISS, the two aforementioned parameters are defined as follows:

1. Maximum transaction rate until 7:30 CET: **100 transactions per second**
   Maximum transaction rate as of 7:30 CET: **50 transactions per second**
2. Maximum queue length: **500 transactions**

The pre-defined values are set in such a way to ensure that the Architecture Throttle only takes effect if a member uses an obviously malconfigured MISS front-end installation which could eventually jeopardize operation of overall exchange trading.

The Architecture Throttle will be available in Permanent Simulation as of November 6, 2006 with the abovementioned settings.

In addition, the Management Board of Frankfurt Stock Exchange has decided to amend the "Implementation Regulations of the Frankfurt Stock Exchange Concerning Technical Equipment for the Electronic Trading System" with effect from December 1, 2006. The following sentence shall be added to § 2 section 1 "Connection to the EDP system, requirements":

„FWB may measure the load generated by a single member front-end system on the EDP system of FWB and, where required, apply limits by technical means should this become necessary with regards to system security or due to other serious reasons."

The amended wording of § 2 section 1 is attached.

Please do not hesitate to contact the Xetra Technical Helpdesk at telephone +49-(0) 69-2 11-1 84 00 for any further question you may have.

Yours faithfully,

Rainer Riess

Jens Hachmeister
On behalf of the Management

Enclosure

[.....]

§ 2 Connection to the EDP System

(1) Requirements

With the grant of admission or entitlement to participate in the electronic trading system, the trading participant is connected to the electronic trading system in the case of connections based on dedicated lines. To the extent that the trading participant chooses the connection alternative exclusively based on the internet, such trading participant may, after the grant of admission to participate in the electronic trading system, only be connected when such participant has realised the connection via the Internet by means of an Internet provider. Prerequisite for any connection alternative to the electronic trading system is that the requirements of the Exchange Rules, particularly § 18, and the technical requirements of the present Implementation Regulations with respect to the hardware, software, the network and its configurations have been satisfied and the electronic trading system will not be compromised by the connection, be it on the basis of location or any technical grounds. FWB may measure the load generated by a single member front-end system on the EDP system of FWB and, where required, apply limits by technical means should this become necessary with regards to system security or due to other serious reasons. Each trading participant undertakes to ensure that its institution, according to the national laws and regulations effective in the country of its location, is entitled to connect a Participant Trading System at its location to the electronic trading system of FWB and to execute trading at FWB.

(2) Installation of Participant Trading Systems

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