



15 July 2009

PROJECT: **Disaster Recovery Test**

## NYSE Euronext Business Continuity: results of June's Disaster Recovery test

NYSE Euronext is pleased to announce that the **Disaster Recovery (DR) test** held on Saturday, 27 June 2009 to check the efficiency of Euronext's fail-over procedure was carried out successfully.

Following the latest technical enhancements for disaster recovery implemented on the European Equities Regulated Market (Universal Trading Platform) and SmartPool architectures, the aim of the test was to confirm that the NYSE Euronext Disaster Recovery Plan for the Cash markets remained fully operational, by simulating a real-life fail-over with customers. The technical scope of this test included NYSE Euronext European Cash Markets' data centres DC1 and DC2, the main trading engines (Universal Trading Platform, NSC-VW, TCS, SmartPool and the Index platform), the production trading HUBs, the production market data dissemination systems, members' production access means (CCG and OPS) and NYSE Euronext Cash Market Operations' supervision and control tools.

For the first time, the test was performed with customers using the new Universal Trading Platform architecture and MMBA and SFTI networks.

### Test results

The Disaster Recovery test took place as scheduled and a sufficient number of customers took part: 11 customers were present on this occasion.

- NYSE Euronext initiated the fail-over at **11:50 CET** after simulating a trading halt due to a disaster event.
- From **11:50 CET** to **14:27 CET**: fail-over from Data Centre 1 to Data Centre 2 was conducted (this includes stopping Data Centre 1, starting Data Centre 2 and checking the consistency of the NYSE order books).
- At **14:35 CET**, Euronext activated the retransmission of the Regulated market full order book for all members using the SLE order entry channel (both for Universal Trading Platform and NSC-VW).
- At **15:00 CET**, the cash trading session resumed with a full order book.

This exercise revealed the importance of clients being familiar with the new Euronext fail-over enhancements and for that reason we would recommend that all clients participate in future tests.

### Crisis communication during the test

Throughout the test, regular communications were sent to customers via info-flash and SPI-mail. NYSE Euronext's cash market escalation procedure for crisis management was also activated according to the Business Continuity procedure.

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#### Conclusion

This test has confirmed that NYSE Euronext's business continuity procedures are fully reliable and operational, and has also shown that the Universal Trading Platform and NSC architectures are **fully resilient** with **no loss of data**. It has also confirmed the capability of the NYSE Euronext trading systems to be **operational with a full order book on the new DR site within 3 hours**. All test participants were satisfied, with none reporting any problems afterwards.

The Cash Market's crisis management and member communication process proved to be well suited to the disaster recovery conditions under which the test was performed.

These positive results have been fully integrated into NYSE Euronext's Disaster Recovery procedures.

NYSE Euronext wishes to thank all participants for taking part and ensuring an extremely successful Disaster Recovery simulation session.

Kind regards,

NYSE Euronext European Cash Markets

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