



Market Notice

Number: F5034

Date 4 November 2011

Equity Derivative Technical Issues and Feedback

Equity Derivative Market (EDM) participants will be aware that this market has experienced technical issues from Monday 31 October 2011 through Wednesday 2 November 2011. This market notice is intended to provide feedback on the technical issues and the measures we are taking to prevent them from reoccurring.

At a high level the issues experienced can be categorized into 2 groups:

- Connectivity issue
- Slowness

On Monday the 31st October at approximately 09h42 the JSE encountered a loss of connectivity across the entire JSE network for approximately 10 minutes. This loss of network connectivity can be attributed to the JSE's network going into a loop due to a hardware fault. Although the JSE's network has been designed specifically with redundancy and high availability in mind, a hardware fault (not failure) will not trigger failover activities, as the piece of hardware is still deemed functional.

The JSE has subsequently replaced the hardware at fault and is currently in discussions with the original equipment manufacturers' with regards to incorporating extra mitigation activities in the event that a similar fault should occur.

Slowness has been experienced intermittently on EDM from Monday 31 October 2011 through Wednesday 2 November 2011. The JSE has identified certain non-critical trading messages which are currently being handled by a trading critical thread of the message handler. This at times causes message queues on incoming messages which results in delays. The JSE and its Software Providers are treating the issues with the highest priority and are in the process of moving all non-critical trading messages onto the correct threads.

The JSE would like to apologise to all market participants that have been affected by the technical issues experienced. If you have any queries, please feel free to contact derivativetrading@jse.co.za

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