JSE

SERVICE HOTLINE

REFERENCE NUMBER: 120/2014

2 July 2014

JSE Network Infrastructure Maintenance 12 July 2014

Clients are advised that the JSE will be **upgrading** the Internetwork Operating System (IOS) of the **core production network routers** that facilitate connectivity to the JSE, as well as the **core Colocation switches** which facilitate Colocation connectivity. The maintenance forms part of our ongoing maintenance activities and is as recommended by our service providers to address some known production connectivity issues previously experienced by JSE clients.

These changes will be **effected after close of business on Friday, 11 July 2014** from approximately 20:30 SAST. Post the JSE maintenance, **clients** will be provided with the opportunity **to prove their connectivity to all JSE Services** as part of the scheduled Participant Test Weekend (PTW) on Saturday, 12 July 2014.
As this change affects all JSE client connectivity, the JSE strongly recommends that clients participate to confirm their connectivity. This includes **clients of all markets who connect directly** to the JSE for **LIVE** real-time data. **End of Day** Information subscribers are not required to participate.

Clients participating in the tests must please **forward their key contact details** to CustomerSupport@jse.co.za or +27 (0)11 520 7777 **by no later than** close of business on **Monday, 7 July 2014**.

During the PTW, clients will be able to connect to the Equity Market Trading and Information Gateways and receive multicast Market Data. Clients will also be able to connect to the Derivative markets to confirm their connectivity. Testing is scheduled as follows:-

Friday, 11 July 2014	From 20h30 SAST	JSE required maintenance
Saturday, 12 July 2014	08h30 – 10h30 SAST	Client connectivity tests
Saturday, 12 July 2014	10h30 – 16h00 SAST	PTW testing to continue as normal

The connectivity tests will be executed in the JSE production environment. **Clients will be responsible for removing test data** from their own production environments after the test. Clients **NOT participating in the tests** must ensure that their production systems **are shut down** on the Friday evening prior to the test **to ensure that they do not receive any test data** during the PTW.

Service(s):
Equity Market
Equity Derivatives Market
Commodity Derivatives Market
Interest Rate and Currency Market

Environment(s):
Production

Additional Information:
If you have any queries about this announcement, please contact
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TradingServices@jse.co.za

Issued By:
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Equity Market Division

Technical Specification Documentation:
Equity-Market-Services-Documentation

Recommended Client Participation:

Optional (however strongly recommended)	JSE Participants for all trading services Trading Members **AND** Information Subscribers of all markets that connect directly to the JSE via Johannesburg **AND** the JSE London Point of Presence (PoP) for real-time data **AND** All Live Information Subscribers	Technical connectivity tests to be conducted from **Clients Production Site** to **JSE Production Site**

High Level Test Schedule – 12 July 2014
Times are all South African Standard Time (SAST = GMT+2)

#	Description of Change	Impact to Clients
1.	**Friday,** 11 July 2014 20h30 – **Saturday,** 12 July 2014 04h20	• JSE batch runs and systems shut down • Clients may experience **temporary disconnects** to JSE services as routers are reloaded post the upgrades however clients should automatically reconnect as they failover to alternate routers. • Production network maintenance to be applied • Production backups and system startup

2.	**Saturday** 12 July 2014 08h30 – 10h30	**Clients connectivity tests to JSE Services**
		
		Clients to **notify** Customer Support once they are **on site and once all testing is completed**. Clients to use this checklist to complete testing.
		
		• **Equity Trading and Information Service**
		  ○ Clients to connect and login to the Equity Market Trading Gateways and Market Data Recovery Gateways
		  ○ Alternatively instead of logging in, clients can perform a TELNET test to the various Gateways to prove connectivity to the TCP Gateways
		  ○ Clients must Confirm receipt of multicast messages published during the test via the Market Data Gateways e.g. Heartbeats
		  ○ **09h30 – 10h00 – Performance volume test** - clients are requested to generate input orders at the maximum order rate/baskets that they can accommodate and to ensure this **sustained for at least 20 minutes**
		
		• **Derivatives, Interest Rate and Currency Trading and Information Services**
		  ○ System will be in a download state only
		  ○ Clients to login to the various markets and conduct standard downloads required for login
		  ○ Alternatively instead of logging in, clients can perform a TELNET test to the various Proxies to prove connectivity

3.	**Saturday** 12 July 2014 10h30	• **10h30** JSE Checkpoint on connectivity test results – **Go** / **No Go** Decision • **Go** Decision shut down and clean up commence at 16h00 post the standard PTW

		• **No Go** Decision will be as per item 4 below • Standard PTW testing to continue post the decision for booked clients • From 17h00 - Clients and JSE to **clean up all test data published** in production, <u>where necessary</u> during the test to ensure business readiness for Monday, 14 July 2014
4.	**Saturday** – **ROLLBACK** **SCHEDULE** 12 July 2014 **10h30 – 11h30**	• In the event of a **No Go** Decision being reached – Clients will need to prove connectivity to the services post the rollback during this time • Clients prove connectivity as above to the JSE production post the rollback • Clean up and shut down to only commence post 17h00
5.	**Saturday** 12 July 2014 **10h30 – 16h00**	• Participant Test Weekend to **continue as normal** for booked clients

Please contact JSE Customer Support for any further queries.

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