



Johannesburg
Stock Exchange

Tel: +27 11 520 7000
Fax: +27 11 520 8584

www.jse.co.za

SERVICE HOTLINE

REFERENCE NUMBER: 217/2020

28 September 2020

MANDATORY JSE MARKET FACING RESILIENCE (DR) TEST – 10 AND 11 OCTOBER 2020

Users are advised of their participation that is required in the mandatory JSE Market Facing Resilience (DR) test on 10 and 11 October 2020.

End of Day Dissemination subscribers (BDA Dissemination and Information Subscribers) are advised to please download their Production end of day files prior to 8h00 on Saturday, 10 October 2020; alternatively files can be downloaded from after 14h00 on Sunday 11 October 2020. The tables below stipulate the participation required and the scope of the test.

Test Participation and High Level Test Schedule:

Market Participants Mandatory Testing
<ul style="list-style-type: none">Equity Market - Trading connectivity logonEquity Derivatives Market - Trading connectivity logon*Commodity Derivatives Market - Trading connectivity logon*Interest Rate and Currency Market - Trading connectivity logon*<ul style="list-style-type: none">Bonds Market – Trading connectivity logon*Information Subscribers – Processing and re- requesting of missed multicast data<ul style="list-style-type: none">Real Time Clearing users to login and prove data subscriptions and data downloads <p><i>* Members of the Derivatives Market that do not have connectivity to the JSE remote Disaster Recovery site are requested to please advise the JSE (CustomerSupport@jse.co.za) for noting purposes.</i></p>

Market Participants Optional Testing
<ul style="list-style-type: none">Equity Market - BDA Connectivity and enquiry functionsEquity Market - ECS connectivity and view deals and settlement ordersClearing Members - connectivity and perform downloads and verify balances

The technical connectivity is to be conducted from [Clients production environment](#) to [JSE Recovery \(DR\) Site](#).

NB: Please ensure that you **verify your setup with your Network Service Provider (NSP) or Shared Infrastructure Provider (SIP) prior** to the Resilience (DR) test and arrange for the necessary support and have network engineers available for assistance. Clients are urged to ensure that when connecting to the JSE Recovery (DR) Site that you shut all production links during this test. Please Note that any BDA updates will not be rolled back so only **enquiry testing** is to be carried out.

Contact Details

Please email the details of your key contact (name, surname, email address and cell phone number) to CustomerSupport@jse.co.za by no later than 12h00 on Friday, **2 October 2020**. This will ensure that you receive the necessary communication throughout the test.

Markets / Services:

All JSE Markets

Environment(s):

Production

Additional Information:

If you have any queries about this announcement, please contact the Client Service Centre on +27 11 520 7777 or e-mail Customersupport@jse.co.za

Issued By:

Nicola Comminos
Chief Risk Officer
Enterprise Risk Management

#	Test timeline	Client testing requirement
1.	Saturday 10 October 2020 Prior to 8am	<ul style="list-style-type: none"> • Clients to download Friday's End of Day files
2.	Saturday 10 October 2020 11h00 – 12h30	<ul style="list-style-type: none"> • JSE Network fail over to the JSE Recovery (DR) Site i.e. shutdown of JSE Production Network. • Where required, clients to manually fail over their own Production Network links to the JSE Recovery (DR) site.
3.	Saturday 10 October 2020 13h00 – 14h00	System Online <ul style="list-style-type: none"> • Clients to conduct connectivity tests to the JSE Recovery (DR) site and; • Login to the Equity, Equity Derivatives, Commodity Derivatives, Interest Rate and Currency Derivatives and Bond Derivatives Markets. • Clients to notify Customer Support once they are on-site and again, when all testing has been completed.
4.	Saturday 10 October 2020 14h00 - 17h00	Equity Market Trading and Information Service: <ul style="list-style-type: none"> • Production source IP addresses for the Primary Feed only will be used to connect to the JSE Recovery (DR) site. The Secondary Feed is not available via the JSE Recovery (DR) site. • Clients to connect and login to the Equity Market Trading Gateways and Market Data Recovery Gateways. • Instruments will move into the default trading session (Continuous Trading) that is applicable on a Normal Trading Day at the time of the test. • The order book will be empty at the start of the test, as per DR procedure. • Notification of order cancellations generated as a result of the Resilience (DR) test Failover is NOT published to the market. • Clients will need to perform an Own Order Book Download (OOBD) to get the latest status of their orders. • Confirm the flow of multicast data for all Market Data services that clients subscribe to. • Recover multicast messages published in the morning. Derivative Markets Trading and Deal Management: <ul style="list-style-type: none"> • Equity Derivatives, Commodity Derivatives, Interest Rate and Currency Derivatives markets will be available for testing. • The trading system will be in a Market Online/ Download Only state at the start of the test. • All other contracts will transition directly into the Continuous Trading session. • Information subscribers may also connect and subscribe to data. • Confirm the flow of multicast data for all Market Data services that clients subscribe to. • Recover multicast messages published in the morning. • Clients are advised to perform deal management functions during the test.

Optional Test Requirements for Trading Members and Information Subscribers:

Optional DR Test Activity	Trading Member				Information Subscriber
	EQM	EDM	IRC	CDM	EQM
Submit minimum ONE order per member	X	X	X	X	
Submit minimum ONE reported trade per member	X	X	X		
Perform Deal Management functions e.g. Allocation, Assigns e.t.c	X	X	X	X	
OBD and OTBD	X				
Re-request login of MDGs	X				X
Verify receipt of SENS Announcement	X				X
Confirm download of Friday nights EOD files.					X

Expectation for Clearing Members:

- Clearing members connect to the JSE Recovery (DR) site and prove connectivity.
- For RTC markets prove connectivity and data subscriptions and downloads
- For NUTRON markets prove connectivity and data downloads

Clients to login to the following applications:

• Information Delivery Portal (IDP)

Clients to connect and login to the IDP Service and download their files as at Friday, 9 October 2020.

• Internet

Clients to connect to the JSE Market Communication page

<https://www.jse.co.za/services/technologies/market-communications> to test connectivity and check the overall test progress.

5.	Saturday 10 October 2020 17h30 -	<ul style="list-style-type: none"> • JSE to fail the JSE Network and services back to the JSE Production site. • No participation required from clients during this period. • Where required, clients to manually fail over their own Production Network links back to the JSE Production site and cleanup all test data published during the test.
	Sunday 11 October 2020 10h00	
6.	Sunday 11 October 2020 10h00 - 12h00	<p>Clients to notify Customer Support once they are on site and once all testing is completed.</p> <ul style="list-style-type: none"> • Clients to prove connectivity back to the JSE Production services for Equity Trading and Information, Nutron (markets will be in download state) and IDP and JSE website. • Clearing Members are required to: <ul style="list-style-type: none"> - Connect to the JSE Production site and prove connectivity. - Download the balancing from EOD on Friday, 19 October 2018. • Connectivity to JSE Colocation services. • Login to IDP to download a file that clients subscribe to. • Clean up all test data published during the test to ensure business readiness for Monday, if not already conducted on Saturday. <p>NOTE: Should clients encounter any issues please contact Customer Support on +27 11 520 7777</p>