

## SERVICE HOTLINE

**Number:** 142/2023  
**Date:** 22 September 2023

**Name and Surname:** Qiniso Mthembu  
**Designation:** Group Chief Risk Officer

## MANDATORY JSE MARKET FACING DISASTER RECOVERY AND BUSINESS CONTINUITY TEST – 14 AND 15 OCTOBER 2023

**Users are advised that their participation is required in the mandatory JSE Market Facing Disaster Recovery and Business Continuity test taking place on 14 and 15 October 2023.**

All clients are strongly encouraged to participate in this test to ensure that you can connect to the JSE systems. This is to verify your ability to connect during potential disruptions, especially if the JSE needs to switch to its disaster recovery site. Without testing, clients remain uncertain about their capability to access the critical JSE systems from the JSE's Disaster Recovery site. Following the test, the JSE will distribute compliance letters noting each client's participation status.

End of Day Dissemination Subscribers (BDA Dissemination and Information Subscribers) are advised to please download their production end of day files prior to 08h00 on Saturday, 14 October 2023, alternatively, files can be downloaded from 14h00 on Sunday 15 October 2023.

The tables below stipulate the participation required and the scope of the test.

### MARKETS / SERVICES:

- Equity Market
- Equity Derivatives Market
- Interest Rate Derivatives Market
- Currency Derivatives Market
- Commodity Derivatives Market
- Bond Market
- Bond ETP Market
- JSE Broker Deal Accounting (BDA)
- Real Time Clearing (RTC)
- Colocation
- International Access Point (IAP)
- EOD Information Subscribers
- Live Information Subscribers

### ENVIRONMENT:

Production

### ADDITIONAL INFORMATION:

If you have any queries about this announcement, please contact the Client Service Centre on +27 11 520 7777 or [customersupport@jse.co.za](mailto:customersupport@jse.co.za)

**Test Participation and High-Level Test Schedule:**

<b>Market Participants <span style="color: red;">Mandatory</span> Testing</b>
<ul style="list-style-type: none"> <li>• Equity Market - Trading connectivity logon</li> <li>• Equity Derivatives Market - Trading connectivity logon*</li> <li>• Commodity Derivatives Market - Trading connectivity logon*</li> <li>• Interest Rate and Currency Market - Trading connectivity logon*</li> <li>• Bonds Market– Trading connectivity logon*</li> <li>• Information Subscribers – Processing and re- requesting of missed multicast data</li> <li>• Real Time Clearing users to login and prove data subscriptions and data downloads</li> <li>• Clearing Members – Connectivity testing</li> </ul> <p><i><b>*Members of the Derivatives Market that do not have connectivity to the JSE remote Disaster Recovery site are requested to please advise the JSE via e-mail at <a href="mailto:customersupport@jse.co.za">customersupport@jse.co.za</a> for noting purposes.</b></i></p>

<b>Market Participants <span style="color: green;">Optional</span> Testing</b>
<ul style="list-style-type: none"> <li>• Equity Market - BDA connectivity and enquiry functions</li> <li>• Equity Market - ECS connectivity and view deals and settlement orders</li> <li>• Clearing Members - Perform downloads, run EOD and verify balances</li> </ul>

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 from an application, network and infrastructure perspective. 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:** Any BDA updates will not be rolled back and therefore only **enquiry testing** is to be carried out.

**Contact Details Required**

Please email the details of your key contact (name, surname, e-mail address and cell phone number) to [customersupport@jse.co.za](mailto:customersupport@jse.co.za) **by no later than 12h00 on Wednesday, 11 October 2023. This will ensure that you receive the necessary communication throughout the test.**

#	Test timeline	Client Testing Requirement
1.	<p style="text-align: center;"><b>Saturday</b> 14 October 2023 Prior to 08h00</p>	<ul style="list-style-type: none"> <li>• Clients to download Friday’s End of Day files.</li> </ul>
2.	<p style="text-align: center;"><b>Saturday</b> 14 October 2023 11h00 – 12h30</p>	<ul style="list-style-type: none"> <li>• JSE Network fail over to the JSE Recovery (DR) Site i.e., shutdown of JSE Production Network.</li> <li>• Where required, clients to manually fail over their own Production Network links to the JSE Recovery (DR) site.</li> </ul>

<b>3.</b>	<b>Saturday</b> 14 October 2023 14h00 – 15h00	<b>System Online</b> <ul style="list-style-type: none"> <li>• Clients to conduct <b>connectivity tests</b> to the JSE Recovery (DR) site.</li> <li>• Login to the Equity, Equity Derivatives, Commodity Derivatives, Interest Rate and Currency Derivatives and Bond Derivatives Markets.</li> <li>• Clients to notify Customer Support once they are on-site and again when all testing has been completed.</li> </ul>																																																					
<b>4.</b>	<b>Saturday</b> 14 October 2023 14h00 - 17h00	<b>Equity Market Trading and Information Service:</b> <ul style="list-style-type: none"> <li>• Production source IP addresses for the <b>Primary Feed only will be used to connect to the JSE Recovery (DR) site.</b> The <b>Secondary Feed is not available</b> via the JSE Recovery (DR) site.</li> <li>• Clients to connect and login to the Equity Market Trading Gateways and Market Data Recovery Gateways.</li> <li>• Instruments will move into the default trading session (Continuous Trading) that is applicable on a Normal Trading Day at the time of the test.</li> <li>• The order book will be empty at the start of the test, as per DR procedure.</li> <li>• Notification of order cancellations generated as a result of the Resilience (DR) test Failover is <b>NOT</b> published to the market.</li> <li>• Clients will need to perform an Own Order Book Download (OOBD) to get the latest status of their orders.</li> <li>• Confirm the flow of multicast data for all Market Data services that clients subscribe to.</li> <li>• Recover multicast messages published in the morning.</li> </ul> <b>Derivative Markets Trading and Deal Management:</b> <ul style="list-style-type: none"> <li>• Equity Derivatives, Commodity Derivatives, Interest Rate and Currency Derivatives markets will be available for testing.</li> <li>• The trading system will be in a Market Online/ Download Only state at the start of the test.</li> <li>• All other contracts will transition directly into the Continuous Trading session.</li> <li>• Information subscribers may also connect and subscribe to data (All Derivatives Markets).</li> <li>• Confirm the flow of multicast data for all Market Data (EDM, FXM) services that clients subscribe to.</li> <li>• Recover multicast messages published in the morning.</li> <li>• Clients are advised to perform deal management functions during the test.</li> </ul> <table border="1" data-bbox="418 1435 1342 1816"> <thead> <tr> <th rowspan="2">Optional DR Test Activity</th> <th colspan="4">Trading Member</th> <th>Information Subscriber</th> </tr> <tr> <th>EQM</th> <th>EDM</th> <th>IRC</th> <th>CDM</th> <th>EQM</th> </tr> </thead> <tbody> <tr> <td>Submit minimum ONE order per member.</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>Submit minimum ONE reported trade per member.</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>Perform Deal Management functions e.g., Allocation, Assigns etc.</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>OOBD and OTBD</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Re-request login of MDGs</td> <td>X</td> <td></td> <td></td> <td></td> <td>X</td> </tr> <tr> <td>Verify receipt of SENS Announcement</td> <td>X</td> <td></td> <td></td> <td></td> <td>X</td> </tr> <tr> <td>Confirm download of Friday night's EOD files.</td> <td></td> <td></td> <td></td> <td></td> <td>X</td> </tr> </tbody> </table> <b>Optional Test Requirements for Trading Members and Information Subscribers:</b> <b>Expectation for Clearing Members:</b> <ul style="list-style-type: none"> <li>• Clearing members connect to the JSE Recovery (DR) site and prove connectivity.</li> <li>• For RTC markets prove connectivity and data subscriptions and downloads.</li> <li>• For NUTRON markets prove connectivity and data downloads.</li> <li>• EOD run for RTC and NUTRON markets will start at approximately 17h00.</li> </ul>	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 etc.	X	X	X	X		OOBD and OTBD	X					Re-request login of MDGs	X				X	Verify receipt of SENS Announcement	X				X	Confirm download of Friday night's EOD files.					X
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		<p><b>Clients to login to the following applications:</b></p> <ul style="list-style-type: none"> <li>• <b>Information Delivery Portal (IDP)</b></li> </ul> <p>Clients to connect and login to the IDP Service and download their files as of Friday, 13 October 2023.</p> <ul style="list-style-type: none"> <li>• <b>Internet</b></li> </ul> <p>Clients to connect to the JSE Market Communication page:  <a href="https://www.jse.co.za/services/jse-market-communications">https://www.jse.co.za/services/jse-market-communications</a>  to test connectivity and check the overall test progress.</p>
<p><b>5.</b></p>	<p><b>Saturday</b>  14 October 2023  17h30 -  <b>Sunday</b>  15 October 2023  10h00</p>	<ul style="list-style-type: none"> <li>• JSE to fail the JSE Network and services back to the JSE Production site.</li> <li>• No participation required from clients during this period.</li> <li>• 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.</li> </ul>
<p><b>6.</b></p>	<p>Sunday  15 October 2023  10h00 - 12h00</p>	<p>Clients to <b>notify</b> Customer Support once they are <b>on site</b> and once all testing is completed.</p> <ul style="list-style-type: none"> <li>• Clients to prove connectivity back to the JSE Production services to the Millennium IT Trading and Information Services platform, Nutron (markets will be in download state), IDP, SENS and the JSE website.</li> <li>• Clients are required to: <ul style="list-style-type: none"> <li>- Connect to the JSE Production site and prove connectivity.</li> </ul> </li> <li>• Connectivity to JSE Colocation services.</li> <li>• Login to IDP to download a file that clients subscribe to.</li> <li>• Clean up all test data published during the test to ensure business readiness for Monday, if not already conducted on Saturday.</li> <li>• RTC will not be available on Sunday, 15 October 2023 and the JSE will perform the necessary health checks in preparation for Monday.</li> </ul> <p><b>NOTE:</b> Should clients encounter any issues please contact the Client Service Centre (CSC) on <b>+27 11 520-7777</b> or <a href="mailto:customersupport@jse.co.za">customersupport@jse.co.za</a></p>