



Johannesburg  
Stock Exchange

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

[www.jse.co.za](http://www.jse.co.za)

## SERVICE HOTLINE

**REFERENCE NUMBER:** 025/2023

27 February 2023

## STT TECHNICAL UPGRADE UPDATE AND TEST PLAN

Further to [Service Hotline 014/2023](#) issued on 1 February 2023, market participants are reminded of the trading, market data and clearing system upgrade for the Commodity Derivatives, Interest Rate Derivatives and Cash Bonds Markets.

Internal testing is still on track and market participants are reminded that market facing testing will commence over the coming weeks. The purpose of this market notice is to inform market participants of the key dates and testing details that pertain to Trading and Clearing Members, as well as all Software Providers that participate in, or provide services or software to the impacted markets.

Market participants except for Clearing Members will have the opportunity to start connectivity testing on the Customer Test Environment (CTS) from Monday, 27 February 2023. Only connectivity testing should be between 27 February and 3 March with regression testing to commence on 6 March 2023.

Trading Members and all Software Providers can download the Customer Test Environment (CTS) Nutron Version at: [Nutron API Files | JSE Client Portal](#)

The Customer Test Environment (CTS) Nutron connectivity details are as follows:

IP Address: 196.216.153.101

Ports: CDM: 2210

IRD: 2269

Regression testing will follow a cyclical approach with intervals in between to allow for data refreshes of the CTS environment. As a result of the upgrade, clients are advised that the Customer Test Environment will be upgraded to the new code base and the CTS environment with the Production code base will not be available during the test cycles.

The test reference data will be as per current production data, and if post the first test cycle key test accounts are missing, clients are advised to send a request to [CustomerSupport@jse.co.za](mailto:CustomerSupport@jse.co.za) requesting the loading of these client test accounts.

### Markets / Services:

Interest Rate Derivatives Market  
Commodity Derivatives Market  
Bond Market  
Real Time Clearing (RTC)  
Colocation  
International Access Point  
Live Information Subscribers

### Environment:

Customer Test Service

### Additional Information:

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

### Issued By:

Itumeleng Monale  
Chief Operating Officer – JSE  
Matthias Kempgen Chief Information  
and Operating Officer – JSE Clear

The dates of the test cycle are as follows:

Testing Cycle	Date
Market Regression Testing Cycle 1	6 March – 17 March
Code-drop and test environment refresh	20 March – 24 March

#### Specific market events:

The following two market events are scheduled for market regression testing cycle 1:

Market	Asset	Expiry date
CDM	Metals and Energy Futures Close Out	13/03/2023
IRD	JIBAR Futures Close Out	15/03/2023

#### Customer Test Environment (CTS) Times

From 27 February 2023, the CTS environment will be available from 09h00 until 16h00 for clients to connect.

Regression testing will commence on 6 March where clients can perform all trading and deal management activity from 09h00 until 16h00 thereafter the JSE will commence with End of Day activities for all markets.

Market Participants are strongly encouraged to participate in the regression test cycles as early as possible to ensure all trading, post trade functionality and market data publication in these markets works as expected. This includes testing of all trading and post trade related processes and procedures performed daily.

Regression testing for Cash Bonds includes current market functionality (e.g. Repo Trades, Report Only, Same Day's, etc). BDA users need to test the successful processing of their end-of-day Bond files.

Market participants will be mandated to test in one of the scheduled dress rehearsals to ensure a successful implementation. Two market facing dress rehearsals will be conducted with the exact dates to be confirmed:

- Market Dress rehearsal 1: June 2023
- Market Dress rehearsal 2: July 2023

Although the upgrade entails a significant technology upgrade of the trading engine, proxies, and clearing system, the new technology is fully backward compatible with the current version of the Nutron front end and API.

Upon successful participation in one of the market dress rehearsals, market participants will be requested to provide sign off via email indicating that they are ready for go-live.

**Clearing Member testing details:**

The Clearing Member testing will commence in March 2023 in the Clearing Member Parallel test environment.

Clearing Members will be able to confirm connectivity between 6 March 2023 and 10 March 2023 with regression testing commencing on 13 March 2023.

The JSE will provide details of the Clearing Member testing by sending a testing guide directly to the impacted participants.

The Clearing Member Parallel environment connectivity details are as follows:

IP Address: 196.216.153.41

Ports: CDM: 2210

IRD: 2269

Kindly note that all Clearing Members will be required to complete full regression testing and to participate in market dress rehearsals.

Signoff will be requested for the following:

- Successful regression testing
- Successful connectivity test during one market dress rehearsal

Please refer all queries via email to [CustomerSupport@jse.co.za](mailto:CustomerSupport@jse.co.za)