REGRESSION TESTING AND DRESS REHEARSAL INFORMATION SHEET - STT UPGRADE

This testing guide is intended to remind market participants of the key technical details and requirements for regression testing. The intention of the regression test cycles is for:

➢ Market participants to ensure all trading, post trade functionality and market data publication in these markets works as expected.

➢ Clients to ensure sufficient testing is conducted in line with BAU activities.

Important to consider:

➢ New technology is fully backward compatible with the current version of the Nutron front end and API.

➢ Regression testing will follow a cyclical approach with intervals in between to allow for data refreshes of the Customer Test environment (CTS).

➢ Connectivity and regression testing for all market participants has commenced and will continue for the remainder of H1 2023.

Trading Members, Software Providers, and Information Subscribers

Customer Test Environment (CTS) Times

➢ The CTS environment is available from 09h00 until 16h00 for clients to perform regression testing (all trading and deal management activity).

➢ The JSE will commence with End of Day activities for all markets after 16h00.

CSDP and Strate participation in Testing

➢ Strate and CSDP's will not be participating in either of the Dress Rehearsal testing, due to the complexity of issues that this could cause.

➢ Bond members who do test, will note that the orders will remain in Unconfirmed queues. This will be the expected behaviour for this test.

Connectivity Details

➢ 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

Test Reference Data

➢ 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** requesting the loading of these client test accounts.

CTS Code Drop and Data Refresh Dates

➢ Clients are advised that during a test cycle, 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.

Upgrade Testing Cycle	Date
Code Drop and Data Refreshes	4 July until go live

Clearing Member Testing:

Clearing Member testing Cycle 3 is currently underway and will **conclude on Friday, 21 July 2023**. There is an opportunity for a third cycle of testing to be scheduled post the scheduled dress rehearsal. This will be communicated to the affected participants.

- For all testing information and key dates for Clearing Members' regression testing, please refer to the Clearing Member Testing Guide supplied directly to each Clearing Member.

- Clearing Members are mandated to participate in the upcoming dress rehearsal on 8 July 2023. Clearing members will be required to test the following during the dress rehearsal:
  - o Connectivity from their production environment (Clearing Members may disconnect from their production environment for the remainder of the test, if they foresee any issues with rolling back their production environments post the dress rehearsal).
  - o Reference data download (Prior to main activities).
  - o Deal management activities.
  - o Confirmation of trade data feed to clearing member systems.
  - o Monitoring of positions.
  - o Perform on-behalf-of trades.
  - o Participate in end of day activities (no balancing required).