
Y602B

JSE Interest Rate Market and Currency Derivatives – Dress Rehearsals

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Version

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1.0

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1. Introduction

1.1. Document Purpose

This document is intended to outline the objectives, schedule and data guidelines for the BESA Integration Dress Rehearsal for the Interest Rate and Currency Derivatives Markets. It also includes a detailed checklist that must be completed by all participants in the Dress Rehearsal and returned to the JSE.

| | | | |
|-------------------|------------------|---|---------------|
| Dress Rehearsal 1 | 26 February 2011 | Mandatory Business testing Mandatory Technical testing | 08H00 – 12H30 |
| Dress Rehearsal 2 | 12 March 2011 | Mandatory Business testing Mandatory Technical testing | 08H00 – 12H30 |
| Go-Live weekend | 26 March 2011 | Connectivity Testing | |
| | | | |

The dress rehearsals will take place in the JSE Production Interest Rate and Currency Derivatives Markets environment:

IP: 196.216.152.131
Port: 2269

The NUTRON front end version number for use during Dress Rehearsal 1 will be:

1.0.0.26377

1.2. Readership

The intended audience for this document includes:

- JSE Interest Rate Market participants (trading and clearing members)
- JSE Currency Derivatives Market participants (trading and clearing members)
- JSE API Software Providers for either or both of the two markets above
- Information subscribers

2. Objectives of the Market Dress Rehearsal

The objectives of the JSE Interest Market Dress Rehearsals are to:

- Practise the cut over activities required for Go Live
- Simulate selected trading on the new Interest Rate Market platform ahead of go live 28 March 2011
- Gauge overall level of readiness across all Stakeholders
- Identify any critical issues that need to be addressed prior to Go live
- Build internal and external confidence for Go Live
- Minimise the risk of unexpected issues on Go Live day

- Provide Users with an opportunity to test their front-end solutions and related systems on the production environment
- Provide API developers with opportunity to prove systems in near production environment
- Prove existing internal JSE application readiness for Go Live
- Prove EOD processes and other after market activities

Note: Apart from a brief, scheduled period of volume testing (See Section 6 - *Functional Testing Schedule*) the overall objective of the JSE Interest Rate Market Dress Rehearsal is NOT that of a stress test.

3. Market Dress Rehearsal Schedule and Tracking

3.1. Market Dress Rehearsal Schedule

The BESA Integration Dress Rehearsal for the Interest Rate and Currency Derivatives Markets and go live activities will take place on 3 separate weekends. This is in addition to all user firms own testing and connectivity preparations to the new system prior to the Dress Rehearsals and Go-Live.

Saturday 26th February 2011

| | | |
|-----------|--|---------------|
| Technical | Interest Rate Market and Currency Futures System start up | 08H00 – 09H00 |
| Business | Business Functional Testing | 09H00 – 11h00 |
| Technical | Rollback to saved backup / Restore backup | 12H00 – 13H00 |
| Technical | Technical activities | 13H00 – 14H00 |

Saturday 12th March 2011

| | | |
|-----------|--|---------------|
| Technical | Interest Rate Market and Currency Futures System start up | 08H00 – 09H00 |
| Business | Business Functional Testing | 09H00 – 11H00 |
| Technical | Rollback to saved backup / Restore backup | 12H00 – 13H00 |
| Technical | Technical activities | 13H00 – 14H00 |

Saturday 26th March 2011

Whilst activities on this test day are predominantly technical it is recommended that at least one business user be available to sign-off readiness for Go Live.

| | | |
|------------|--|---------------|
| Technical | Interest Rate Market and Currency Futures System start up | 08H00 – 09H00 |
| Business & | Connectivity Testing | 09H00 – 11H00 |

| | | |
|-----------|--|--|
| Technical | | |
|-----------|--|--|

Please Note:

- A period of volume testing has been scheduled for 30min from 10H30 – 11H00
- The JSE will be available for support throughout the dress rehearsals
- Technical activities include any technical tests as well as confirming the restore against the Interest Rate Market platform to ensure business readiness for Monday

3.2. Dress Rehearsal Tracking

The JSE Interest Markets Dress Rehearsal *Detailed Checklist* (Section 7 of this document) will be used as a measure of success of a participant in the Market Dress Rehearsals. A single checklist per participant Firm must be completed by a nominated representative and must be signed off by both the Head of Trading and an IT representative.

The completed *Detailed Checklist* must be submitted electronically and be faxed to the JSE by the latest 10h00, the Monday post the Dress Rehearsal Weekend. The contact details are provided below:

E-mail: IRC_Info@jse.co.za

Fax: 011 - 520 8141 / 8880 / 8883

3.3. Pre Requisites

The following have been outlined as pre requisites for the JSE Interest Rate Market and Currency Futures Dress Rehearsal:

- Trading and Clearing Users must have attended training or be comfortable with the new application
- Network connection to the new application has been requested and tested
- Application must be configured (specifically for production environment) and ready to trade or receive data
- Have logged in at least once to production environment
- Have received and configured all production user codes from JSE
- API software providers and Information Subscribers must PASSED conformance
- Key responsible person identified and communicated to the JSE prior to test

If Pre requisites are not met, the user may not participate in the Dress Rehearsal.

3.3. Success / Pass Criteria

The following have been outlined as success / pass criteria for the JSE Interest Rate and Currency Futures Market Dress Rehearsal:

- User ability to connect and trade
- 100% interactive participation throughout the test period - Number of traders logged on
- Adherence to the test schedule and conditions
- Adherence to realistic order details and prices
- Adherence to normal trading and volume activity - Order and trade data generated per trader except for volume test
- Completed and signed test checklists / results returned to the JSE
- Completed and signed declaration that functionality and data integrity was intact
- All problems are logged
- No excessive re-requests of data during the tests
- Limited system errors generated by users in system logs

4. Participant Responsibilities and Data Guidelines

4.1. Participant Responsibilities

The following list details the responsibilities of all the participants in JSE Interest Rate and Currency Futures Market Dress Rehearsal:

- Participants are responsible for all of their own environment preparations, connectivity and reference data download
- All users to log on and participate in the test
- Ensure that all fields are displayed correctly and as expected
- Ensure that all fields are enterable as expected
- Check that invalid field entries are not allowed
- Check that you have access to all functionality that you expect and not more or less
- Does all this functionality operate as expected
- Regular checkpoints will be communicated throughout the test by the JSE. Any participant falling behind the schedule must communicate this to the JSE as soon as possible. Likewise if the schedule is required to change, this will also be communicated to the market.
- All Software bugs may be logged following the error logging procedure. Any other issue encountered during Dress Rehearsal must be logged with JSE Client Services (011-520 7777)

4.2. Data Guidelines

The following are key data guidelines:

- Valid user codes and passwords must be used for all application access
- Realistic prices and volumes must be entered
- Data will be converted from production for the Dress Rehearsals and should therefore be correct data

4.2. Communication

The JSE will communicate with all testers in a number of different ways:

- A message via the front end
- An email to all known email addresses

5. Additional Information and Queries

Any JSE Interest Rate and Currency Futures Market Dress Rehearsal queries can be directed to JSE Client Services on 011 520 7777 or IRC_Info@jse.co.za

6. Dress Rehearsal Schedule

| DRESS REHEARSAL SCHEDULE | | | |
|--|---------------------------|-------------------------|---|
| Ref # | Trading Phase | Trading Times (SAST) | Functionality to be tested (High-level Description) |
| FRIDAY | | | |
| Checkpoint 1 - Balancing of Environments | | | |
| A | Balancing of Environments | 20h00 | Clearing Members to balance Production Interest Rate Market and Currency Futures environment |
| Checkpoint 2 – Backup of Environment | | | |
| B | Backup of Environment. | | JSE and Clearing Members to make a Backup of the production Interest Rate Market and Currency Futures environment |
| SATURDAY | | | |
| A | Market Startup | 08h00 – 08h30 | File Preparation Check Market times |
| Checkpoint 1 – User Login | | | |
| B | All users to log in. | 08h30 - 08h50 | All API, front end and Information subscribers to Log In. |

| Checkpoint 2 - Trading Phase Change-over | | | |
|---|---|---------------|--|
| C | Subscriptions and Download Period | 08h50 - 09h00 | Reference Data Files downloaded. Users subscribe to Contracts and messages. |
| Checkpoint 3 - Trading Phase Change-over | | | |
| E | Report Only Transactions | 09h00 – 10h30 | Trade reporting - Off Screen Trades Order Matching Viewing of static file downloads Deal Management |
| | Continuous Trading | 09h00 – 10h30 | Order Matching Viewing of static file downloads Deal Management |
| Overnight Admin Period can be tested from 08h30 to 09h00 on currency instruments | | | |
| F | Continuous Trading VOLUME TESTING Continuous Trading | 10h30 - 11h00 | Volume Testing: Simulated Futures Close-out volumes only |
| | | | Other Testing: Autoquoting and market making |
| | | | |
| | | | |
| | | | |
| | | | |
| G | Admin Period and End of day | 11h00 - 11h15 | Market Closed Users may download EOD data (deals, positions) via API or JSE Front End No On Screen Trading Report only trades allowed Allocations allowed Deal Management allowed Mark to Market File made available for Clearing members to run their processes |

| | | | |
|----------|---------------------------------------|-------|--|
| | | | Daily account summary made available for Clearing Members Clearing members download EOD files and perform their EOD runs Users may download EOD data (deals, positions) via API or JSE Front End |
| | | | |
| H | JSE system restore for Monday morning | 12h00 | TEST COMPLETE |

7. Market Dress Rehearsal Detailed Checklist

To be returned to the JSE as per instructions in Section 3.2.

Member Firm Name: _____ Date: _____

Market Dress Rehearsal Detailed Check-list completed by:

Name: _____

Position: _____

Company code /Member ID: _____

Signature _____

I hereby declare that all information contained here-in is an accurate reflection of the test conditions executed on behalf of my organisation.

Signed by Head of Trading:

Name: _____

Signature _____

Signed by IT representative:

Name: _____

Signature _____

General Comments: _____

