

JSE COMMODITY DERIVATIVES MARKET (CDM) NUTRON UPGRADE PACK

22 January 2022

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Table of Contents

1.	Introduction	3
1.1.	Document Purpose.....	3
1.2.	Readership	3
2.	Objectives of the COMMODITY DERIVATIVES Market NUTRON UPGRADE Activities	3
3.	MARKET ACTIVITIES Schedule and Tracking	4
3.1.	Scheduled Market Activities.....	4
3.2.	Pre-Requisites.....	4
4.	Participant Responsibilities and Data Guidelines	5
4.1.	Participant Responsibilities	5
4.2.	Data Guidelines	5
4.3.	Communication	5
5.	CDM Activities Functional testing checklist.....	6



1. INTRODUCTION

1.1. Document Purpose

This document is intended to outline the objectives, schedule, and data guidelines for the JSE Commodity Derivatives System upgrade Activities

Nutron Upgrade Activities	22 January 2022	12:00 – 17h00
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1.2. Readership

The intended audience for this document includes:

- Commodities Derivatives (Trading, Clearing, Information Subscribers and API Software Vendors)

2. OBJECTIVES OF THE COMMODITY DERIVATIVES MARKET NUTRON UPGRADE ACTIVITIES

The objectives of the JSE Commodity Derivatives Market Nutron Upgrade Activities are to:

- Simulate trading on the upgraded system
- Gauge overall level of readiness
- Minimise the risk of unexpected issues on Deployment day
- Provide Users with an opportunity to test their front-end solutions and related systems on the new production environment
- Prove existing internal JSE application readiness for the System Upgrade

3. MARKET ACTIVITIES SCHEDULE AND TRACKING

3.1. Scheduled Market Activities

Saturday schedules

A	JSE System start up	12h00 – 12h30
B	System Online (Users Log in) <ul style="list-style-type: none"> • Connectivity testing to: <ul style="list-style-type: none"> ○ JSE ○ ESC 	12h30 – 13h00
C	Trading <ul style="list-style-type: none"> • Commodities Derivatives <ul style="list-style-type: none"> ○ Spot Basis Trading (Closes 14h00) ○ Global Markets (Closes 15h00) 	13h00 – 15h00
D	Live Market Data <ul style="list-style-type: none"> • Connectivity to Market Data Gateways • Confirm of live Market Data • Re-request data 	12h30 – 15h00
E	Clearing <ul style="list-style-type: none"> • Early Valuations • Spot Calculation • End of Day (15h30) • End of Day reporting 	14h00 – 15h30

Please Note:

The JSE will be available for support throughout the test

3.2 Pre-Requisites

The following have been outlined as pre-requisites for the JSE Commodities Market Nutron Upgrade Activities:

- The current version of CDM NUTRON front version (v05048) must be configured (specifically for production environment) and ready to trade or receive data. This version is available on the below link.
- https://clientportal.jse.co.za/Content/Downloads/Nutron_CDM_GoLive_v5048.zip
- API software providers and Information Subscribers must have passed conformance

4. PARTICIPANT RESPONSIBILITIES AND DATA GUIDELINES

4.1. Participant Responsibilities

The following list details the responsibilities of JSE Market participants Activities:

- Participants are responsible for all their own environment preparations, connectivity, and reference data download
- Participants are responsible to ensure that they have the necessary technical support on the day
- 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
- Clearing Members are responsible for identifying business as usual scenarios and check that all necessary functionality is available as expected
- Ensure that environments are properly prepared for start-up on Monday morning after the Nutron Upgrade Activities to avoid any issues with production.
- All system upgrade related issues must be logged with JSE Client Service Centre (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 Nutron Upgrade Activities and should therefore be correct data

4.3. Communication

The JSE will communicate with all testers using the following method, if required:

- A message via the front end
- SMS from the JSE's Client Service Centre
- Communications will also be made available on the below link
<https://www.jse.co.za/services/technologies/market-communications>
- Communication requirements will be defined with Clearing Members by the JSE Clearing Team.

5. CDM ACTIVITIES FUNCTIONAL TESTING CHECKLIST

TRADING

Feature Name	Business Scenario Name	Business Guidance
Login as to be able to trade	Users will successfully log-in to the trading front-end	Login as to be able to trade
Insert Orders (Futures, options)	Be able to insert different types of orders on Nutron	Users will be able to populate the bid/offer screen and successfully submit an order
Delete & Suspend orders	Be able to delete/suspend an order that has been placed	Users will successfully delete or suspend an existing order
Resubmit a Suspended Orders	Resubmit an order that was suspended/reduced or edited	User will successfully resubmit an order that was suspended
Edit Active Orders	Be able to edit an active order	User will successfully edit an active order
Enter report only trades	Be able to book a report only trade	Users will populate the report only window and successfully capture and accept the trade
Accept report only trade	Be able to accept a report only trade	User will successfully accept a reported trade
Option Exercise/Abandon	Be able to exercise/abandon an option	Exercise or abandon an option before or on expiry
Assign trades	Assign trades to other members	User will successfully assign a trade to another member
Allocation	Be able to allocate trade to client level	User Successfully allocate a trade to a client from member level
Accept assigned trade	Be able to accept a assigned trade	User will successfully accept an assigned trade
Div Trades	Div trades between clients	User will successfully div a trade to an internal client
Accumulate Trades	Accumulate trades that meet criteria for accumulation	User will successfully accumulate trades meeting requirements
Sub Account Mod	If client has sub account loaded, must be able to sub account mod trades	User will successfully move positions between sub accounts
Reporting	Download physical deliveries Download other post trade data	User will successfully download data from Nutron frontend

TRADING: NUTRON UPGRADE

- Create futures positions on Nutron Upgrade contract
- Create/Match spot bid/offer (Spot basis)

MARKET DATA

Feature Name	Business Scenario Name	Business Guidance
Login to be able to access data	Users will successfully log-in to the Market Data Gateways	Login as to be able to access data
Confirm flow of live data	Be able to confirm flow of live data	Users will be able to confirm the flow live data
Re-Request Data	Be able to re-request data	Users will successfully be able to re-request data

ALL CLEARING MEMBERS

Feature Name	Business Scenario Name	Business Guidance
Login to be able to access data	Users will successfully log-in to the Market Data Gateways	Login as to be able to access data
EOD	Able to download EOD files	User Successfully downloaded EOD data and able to generate member reports
Enter report only trades	Be able to book a report only trade EFP,EFR,NET OFF,DOT,SOT,ALE	Users will populate the report only window and successfully capture and accept the trade
Accept report only trade	Be able to accept a report only trade	User will successfully accept a reported trade
Assign trades	Assign trades to other members	User will successfully assign a trade to another member
Accept assigned trade	Be able to accept a assigned trade	User will successfully accept an assigned trade
Allocation	Be able to allocate trade to client level	User Successfully allocate a trade to a client from member level
Accumulate Trades	Accumulate trades that meet reqs for accumulation	User will successfully accumulate trades meeting requirements
Sub Account Mod	If client has sub account loaded, must be able to sub account mod trades/positions	User will successfully move deal/positions between sub accounts

NUTRON UPGRADE CLEARING ACTIVITIES

- Download spot deals
- Restrict access to clients who are not eligible to trade the contract
- Clearers to confirm balancing