BDA GO-LIVE

Mainframe Migration

17 - 18 April 2021

CONTENTS

1. VERSION CONTROL

Version	Author	Date	Reason for changes
0.1	BDA Team	5 November 2020	Initial Draft
0.2	C Grove	12 April 2021	Go Live

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3. INTRODUCTION

As communicated in Hotline 221/2020 dated 6 October 2020, the JSE has embarked on a project to move the JSE mainframe from Midrand to our data centre onsite. The project is largely internal but will require members to participate in a number of Dress Rehearsals and the _Go – Live testing that will take place on 18 April 2021._

N.B… For the Go Live implementation, <u>no production IP address changes</u> are required by JSE Equity members. Members will be able to connect to the new IBM mainframe on go live using their existing BDA log-on/connection.

Members are required to test the following on the go live weekend:

- Connectivity from a BDA terminal **<u>from each branch office</u>** within your firm
- View various on-line screens
- Verify BDA user access to ensure users can still perform same functions

Optional Testing

- Test downstream processes which make use of screen scraping (Only if applicable to your firm)
- Test downstream processes which make use of BDA Uploads and Downloads (Only if applicable to your firm)

Please refer to section 7 in this document for broker involvement for testing. (Scheduled for Sunday 18 April 2021).

Note that the information displayed in BDA on the new IBM z14 mainframe on go-live will be your production data post Friday batch run 16 April 2021.

Your BDA user access to the new IBM z14 mainframe will be the same as your current BDA production user access as at close of business 16 April 2021.

3.1 Logging on to the new z14 Mainframe

Use the existing BDA icon you currently use.

3.2 Returning to the current mainframe

In case of a roll back on Sunday 18 April 2021, before logging on, please check that you have the old panel and not the one with IBM z14 displayed on your screen.

4. COMMUNICATION

The JSE will be communicating via SMS and updating the JSE Market Communications web-page through-out the week-end to provide status of go-live deployment.

Link to the JSE Market Communications page - https://www.jse.co.za/services/jse-market-communications

Please ensure that you have provided CSC with the cell phone contact numbers to be included for the communication.

No.	Date	Time Slot	Task Name
1	17 April	08h00	Communication to market – Status update on deployment (BDA Batch completed go-live activities in progress)
2		13h00	Communication to market – Status update on deployment (Final data copy in progress)
3		18h00	Communication to market – Status update on deployment (Final data copy in progress)
4		21h30	Communication to market (Final data copy completed)
5	18 April	06h00	Communication to market - 1st Go No/Go decision (Post data reconciliation)
6		09h30	Communication to market – Start final network switch over
7		12h00	Communication to market when market testing will commence
8		15h00	Communication to market final No/Go decision
9		15h00	Communication to market Roll Back decision – In event that deployment was not successful.

5. GO-LIVE DEPLOYMENT RUN BOOK

No.	Date	Time Slot	Task Name
1	12 – 16 April		Start Data copy from old to new mainframe
2	16 April	19h00 -	Start BDA batch run
3	17 April	04h30	JSE confirm all BDA dissemination files created to IDP
4		05h00	JSE confirm all Swift messages for JSET Sweeps have been created
5		05h30	JSE Confirm all BDA Reports created to Control D
6		08h00 – 10h00	Data extract for data reconciliation from old mainframe (Post BDA batch)
7		10h00 – 22h00	Final data copy from old to new mainframe (post Fridays batch)
8	17/18 April	22h00 – 01h00	Data extract for data reconciliation from new mainframe
9	18 April	01h00 – 04h00	Data reconciliation (Reconcile data from old to new mainframe)
10		**04h00**	**1st Go No/Go decision (After data reconciliation)**
11		04h15 – 9h15	IPL New mainframe
12		09h30 – 10h30	Network switch over
13		10h30 – 12h15	JSE Internal connectivity testing
14		**11h45**	**Go No/Go decision – Market testing to commence**
15		**14h45**	**Final Go No/Go decision - After Broker testing completed**
16		15h00	Rollback decision - If required

6. DATA RECONCILIATION

The JSE will start the data copy on Monday 12 April 2021 and the final data copy will be done Saturday 17 April post the BDA batch run Friday 16 April 2021. The following data will be reconciled by the JSE post after all data has been copied.

- General Ledger Balances
- Client Trading, Income and Other balances

- Client Open positions

- Demat Holdings

- SLB and Collateral positions

- Portfolio Holdings

Sequence of events for data reconciliation:

- Post Fridays batch run, the JSE will extract the above listed datasets for reconciliation purposes

- Once the datasets have been extracted, the final data copy will be done

- Post the final data copy being completed, the same dataset will be extracted from the new IBM mainframe

- The data from the old to the new mainframe will be reconciled automatically and the JSE will be provided with output where there are differences in the data

- The JSE will investigate any differences and may require to engage brokers on these differences

- If there are any differences on the data reconciliation, the JSE will, on approval from the broker affected, correct these differences

- PWC (external auditor)

7. GO-LIVE TESTING SCHEDULE AND SCENARIO'S

Please save this document and update the table below with your findings. Once testing has been completed, please update and return to Customer Support at Customersupport@jse.co.za as soon as possible after completion. Where any of the test scenario's listed below is not applicable to your daily business operations, please mark these as N/A in the Pass/Fail column.

The JSE will start the network cut-over activities Sunday 18 April at 09h15. After the network connectivity activities have been completed, the JSE will test that all internal JSE users can access and log-on to BDA and perform functional updates. The JSE has made arrangements with 3 brokers and a software provider to assist with testing to ensure these brokers and software providers can perform the test scenarios as documented below. Only once this has been successfully tested, will the JSE request participation from the rest of the brokers.

The JSE will provide an update by 11h15 to advise brokers on the status of the testing. At this point we will communicate to brokers if broker participation is to start as planned at 12h30, or if there are any changes to this specific time.

No.	Time Slot	Test Scenario Description	Pass/Fail	Comments
1	12h30 – 14h30	Connect to Mainframe. A pass will be when you can display the BDA log-on panel with the z14 display as stated in 3.1 above.		
2	12h30 – 14h30	Log-on to BDA. A pass will mean that you can log-on into BDA using your existing BDA sign-on and access various enquiry and functional screens.		
3	12h30 – 14h30	Display on-line information using e.g. AFINH, ACDLS, SHDLS, ASHRH, HLDS, etc. (with data). A pass will mean that you can display BDA transactional/position data on the enquiry screens.		
4	12h30 – 14h30	Access B5ACICS and enquire on various screens. A pass will mean that you can access B5ACICS.		
	12h30 – 14h30	Display Frozen file for CA Event. A pass will mean that you can display an event on a frozen file.		
		Optional Testing		
5	13h00 – 14h30	Process a Cash Receipt, Journal A pass will a Cash Payment, Cash Receipt or Journal and is updated and can be displayed ion the accounts the processing is done.		
6	13h00 – 14h30	Create a loan on SBORU and confirm it on SBORC.		

		A pass will mean that you can create a loan on SBORU and you can display the loan created.		
8	13h00 – 14h30	Request from CSC that a BDA report is re-spooled. You can e-mail CSC prior to 6 February 2021 if there is a specific report you want re-spooled which can then be actioned on the day by CSC.		
9	13h00 – 14h30	Download BDA Dissemination file from IDP/FTP. Pass will mean that you are able to download your BDA dissemination file from IDP or via FTP. BDA file will be as at close of business 16 April 2021.		
10	13h00 – 14h30	Upload a BDA file i.e. Financial, SLB, or Demat upload. A pass will mean that you are able to upload one of the various BDA upload files and see the resultant information being updated in BDA, as well as getting a response file. (Response file will depend on the specific upload being used).		
11	13h00 – 14h30	Screen Scrapping – Where brokers make use of screen scrapping to emulate mainframe processing, please test that you can still do this. A pass will mean that you are able to view the transactions created via the emulation software.		
12	13h00 – 14h30	Remote printer – Test that you are able to print a BDA report to your designated remote printers. This is only applicable for brokers who have a request loaded on RPROC where the output destination is to a remote printer. You can e-mail CSC prior to 16 April 2021 if there is a specific report you want re-spooled to your remote printer which CSC can then action on the day.		
	15h00	**Roll Back**		
13	15h30 – 16h30	JSE revert back to the current production mainframe.		

14	16h30 – 17h30	Brokers test connectivity and BDA log-on to current production mainframe. A pass will mean users are able to connect to BDA production and can see current production information.		

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