

JSE CLEAR COLLATERAL POLICY

July 2022

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Version Control

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Version History

Version	Date	Summary of changes	Author
1.0	October 2017	<ul style="list-style-type: none"> Initial version 	JSE Clear Risk
2.0	July 2018	<ul style="list-style-type: none"> Reviewed to accept SA govt. bonds only 	JSE Clear Risk
3.0	July 2022	<ul style="list-style-type: none"> Regular review Included reference to the JSE Clear Collateral Risk Management Framework 	JSE Clear Risk

1. Introduction

Initial margin is paid to, or by, a member or client whenever the risk of loss, as determined by JSE Clear, changes with respect to the aggregate position of such member or client. Clearing members pay additional margin to the JSE Clear Default Fund. Rand cash is held in trust by JSE Clear and invested on behalf of market participants by JSE Clear or an agent thereof according to a mandate approved by the Board of JSE Clear. This policy details the way in which JSE Clear will accept and manage securities collateral.

It is a fundamental requirement that eligible securities that will serve as collateral be validly and lawfully pledged to JSE Clear in accordance with the provisions of the relevant agreements, the JSE Derivative Rules, the provisions of the Financial Market Act as well as the applicable principles of South African law.

Securities are accepted to cover a portion of the initial margin of market participants as well as a portion of the additional margin posted by clearing members to the Default Fund.

Securities will only be accepted from participants with a Segregated Depository Account (SDA) at Strate. The participant's Central Securities Depository Participant (CSDP) will be required to auto-commit to pledging securities as part of JSE Clear's procedures.

2. Minimum cash requirement

To reduce liquidity risk in the normal course of business and in the case of a participant default, a minimum percentage of the initial margin requirement, and a minimum percentage of the clearing member's additional margin requirement with respect to the default fund, must be covered by Rand cash. These minimum cash percentages (and conversely the maximum allowable percentages in securities) are defined in the Collateral Risk Management Framework. The remainder of a market participant's initial margin obligation and a clearing member's additional margin obligation to the default fund may be covered in acceptable securities.

3. Eligible collateral

JSE Clear in its sole discretion will determine the acceptance criteria to be satisfied by a security type or particular security to be used as collateral. In this determination, JSE Clear will consider market and price liquidity of the particular security as well as the interdependence (wrong-way risk) between the pledgor and security in question. Refer to the JSE Clear Collateral Risk Management Framework for further detail on the securities collateral eligibility criteria.

Only liquid, South African government bonds denominated in ZAR will be accepted by JSE Clear as securities collateral. JSE Clear will determine the securities that are eligible to be posted as collateral and make this list of securities publicly available. The list of accepted securities will be reviewed on a quarterly basis or ad-hoc as required e.g. due to material changes in liquidity.

Only securities on which JSE Clear is the only pledgee will be accepted as collateral. Notification of the pledge must be received by JSE Clear from the Central Securities Depository (Strate, via their Collateral Management System) before any pledge of a security is recognised.

4. Security substitution

A market participant may request the Central Securities Depository to substitute a pledged security for another eligible security, provided the post-haircut value still covers the obligation covered by the original security. Where the trading member or client would like to use the pledged security for another purpose and has no eligible security with which to substitute it, the market participant must first cover the obligation by paying cash to the clearing house, before the pledge on the security will be released.

5. Collateral valuation and haircuts

When determining the sufficiency of the cash and securities posted by a market participant to cover its obligations, JSE Clear will value the cash paid and the securities pledged to JSE Clear for this purpose at their market value less any haircut applicable to those particular securities or types of security. Market participants will be notified of applicable haircuts and any changes thereto.

JSE Clear will mark these securities to market on at least a daily basis and will adjust the amount of cash to be paid to (or from) JSE Clear from (or to) market participants to cover their remaining initial margin requirements. Where appropriate, JSE Clear may revalue securities and adjust cash requirements intra-day.

Haircuts will be applied to each security that is eligible to be posted as collateral. This means that a discounted value from the mark-to-market value will be used to cover the margin requirement. The haircut is to account for potential adverse market movements in the price of the security between the time of default and the time of sale. The haircuts will be calculated to account for market volatility of each asset, and the concentration of that asset placed with JSE Clear as collateral.

The haircut will be determined by the market volatility and liquidity of that particular type of security or specific security. Haircuts will be reviewed at least quarterly for appropriateness and more frequently should JSE Clear so require.

Refer to the JSE Clear Collateral Risk Management Framework for further detail on collateral valuation and haircuts.

6. Limits

JSE Clear will impose limits on the aggregate amount of a particular type of security or particular security per account for, among others, the following reasons:

- (i) to avoid undue concentration of collateral in a particular asset class, type of security, obligor, etc;

- (ii) to restrict the maximum amount of non-cash collateral a market participant may pledge to JSE Clear for its margin requirements in respect of its positions; or
- (iii) to restrict the maximum amount of non-cash collateral a market participant may pledge to JSE Clear for its contribution to the default fund.

JSE Clear will state the maximum amount of each security that may be posted as collateral for each account. This amount for an account will be the lower value of the determined percentage of total posted securities collateral and any applicable limits imposed, be those fixed value or % based limits.

The portion by which a pledged security or basket of pledged securities exceeds any of the above limitations or is not listed as eligible, will be valued at zero.

Refer to the JSE Clear Collateral Risk Management Framework for further detail on securities collateral limits.

7. Default of a market participant

In the case of a market participant's default, JSE Clear will appoint a broker to sell the securities pledged to JSE Clear. Where possible, and in order to obtain the best price when selling the securities, the broker will execute the sale at best bid price and on the central order book.

The proceeds of the sale will be paid to JSE Clear. After all the participant's obligations to JSE Clear have been settled (including all fees, interest and penalties) any remaining funds will be returned to the market participant through the respective clearing member.

8. Liability

The JSE and JSE Clear will attempt to secure the best price when selling a participant's securities. In addition to the indemnities contained in the JSE's Rules and section 72 of the Financial Markets Act, neither the JSE nor JSE Clear shall have any obligation or responsibility to preserve, protect, collect or realize upon, and under no circumstances shall the JSE nor JSE Clear be liable for, any loss or diminution in value or depreciation in the performance of bond collateral maintained pursuant to this rule.

9. Policy Governance

This policy is owned by the JSE Clear CRO and will be reviewed at least annually or when there are any material changes.

The JSE Clear Risk Committee will recommend the initial approval of this policy by the JSE Clear Board or when there are material changes. The regular annual review of this policy will be approved by the JSE Clear Risk Committee.

Appendix A – Governance Committee Actions

No.	Ref	Action Item	Frequency	Applicable Governance Forum
1.	9	The JSE Clear Risk Committee will recommend the initial approval of this policy by the JSE Clear Board or when there are material changes. The regular annual review of this policy will be approved by the JSE Clear Risk Committee.	Not specified	<ul style="list-style-type: none"> • JSE Clear Board • JSE Clear Risk Committee