


Self-Match Prevention

JSE

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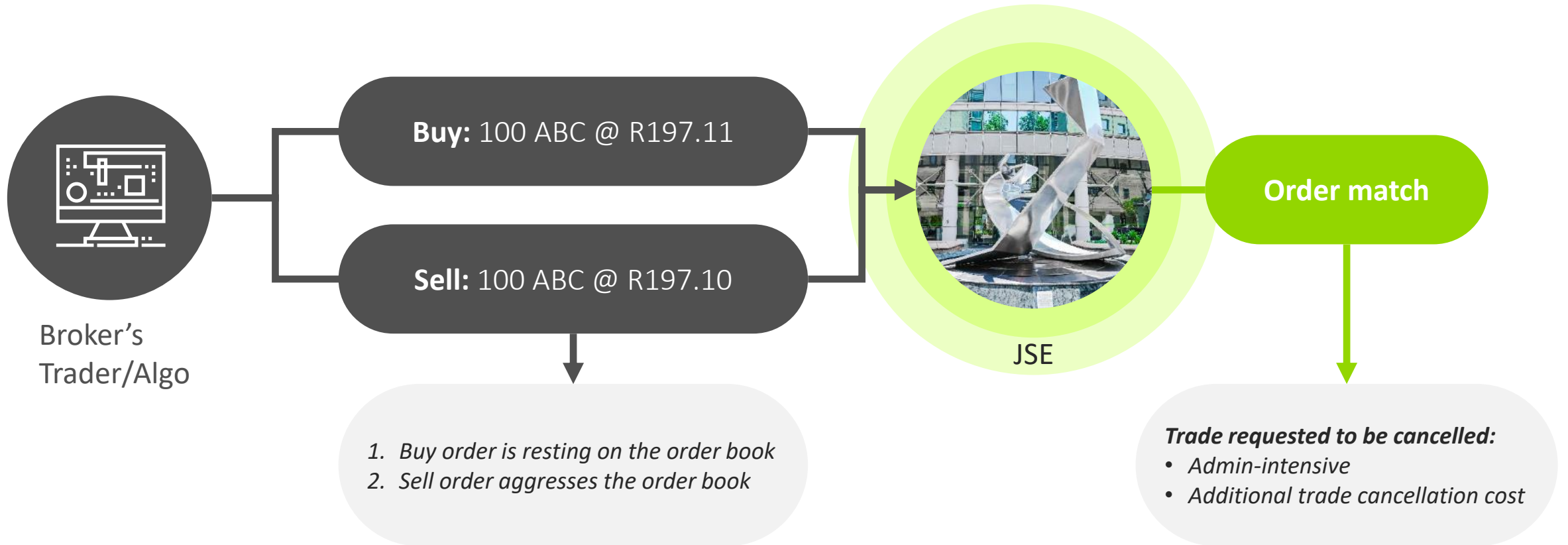
Self-Match Prevention Guideline Document

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Self-Match Prevention | Introduction

Multiple Clients would like the opportunity *to avoid crossing their own orders* at the JSE





Self-Match Prevention | The Mechanics of SMP

Order
Entry

- Orders will be flagged with an optional unique key; ‘No Trade Key’ (FIX Trading Gateway) or ‘Self Prevention Key’ (Native Trading Gateway)

System

- The system then evaluates if a passive resting order can be executed against the incoming order that has the same unique key

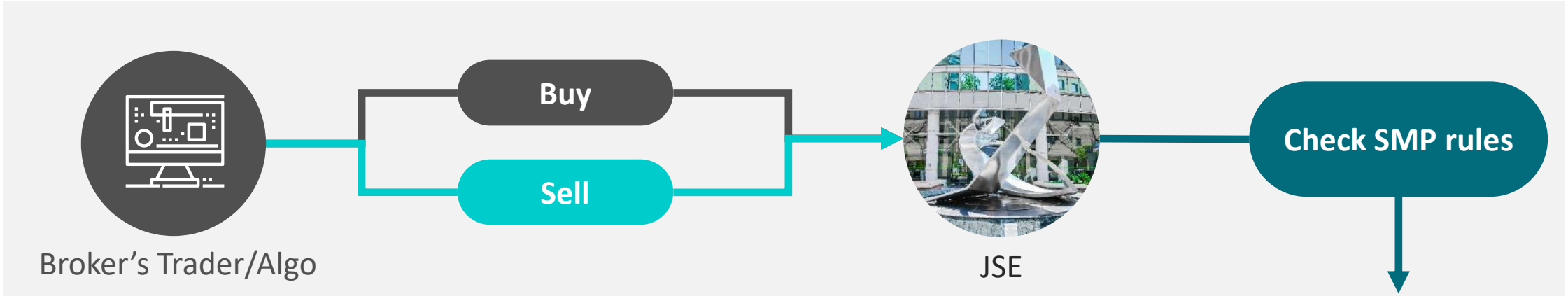
Response

- Order execution is prevented with the resting order being expired and incoming order residing on the book

Key to note

- Self-Match Prevention is introduced for the JSE Equity Market
- Self-Match Prevention is ideally suited for algorithmic trading with high frequency requirements

Self-Match Prevention | Example: Cancel Resting Order (CRO)



1	Resting Buy Order	Incoming Sell Orders (Price/Time Priority)	SMP in Action
	700 ABC @ R197.11 [<i>NoTradeKey = 001</i>]	200 ABC @ R197.10 [<i>NoTradeKey = N/A</i>]	Executes
		200 ABC @ R197.11 [<i>NoTradeKey = N/A</i>]	Executes
2	Remaining Buy Order	Incoming Sell Order	SMP in Action
	300 ABC @ 197.11 [<i>NoTradeKey = 001</i>]	100 ABC @ 197.10 [<i>NoTradeKey = 001</i>]	Resting Buy order is expired. Incoming order remains on the order book



Self-Match Prevention | Opting into SMP?

- Complete an Enablement Request Form provided by the Client Services Centre Team
- Specify the CompIDs to be configured for Self-Match Prevention (SMP) on the form
- Submit the Enablement Request Form to customersupport@jse.co.za
- The JSE will provide unique keys upon firm request
- Review and sign the Client Enablement Information Form (CEIF)
- Client to make use of the provided unique key



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Self-Match Prevention | Technical Enablement

- SMP will be enabled at a CompID level
- FIX Gateway will use *NoTradeKey* (7714)
- Native Gateway will use the *Self Trade Prevention Key* field
 - Unique key will be introduced via protocol version 3
- Once a unique key has been entered on an order, the key cannot be amended
- SMP functionality usage is *optional*



Key to note

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Self-Match Prevention | Unique Key

Guidance

- Alphanumeric, 12 extended ASCII_256 characters maximum length, case-sensitive
- Only Member Firms that have opted for Self-Match Prevention can make use of the functionality
- The JSE will provide unique keys upon request. **Only these unique keys may be used.**



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Thank you

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