

**Amendments to SGX-ST Rules**

Amendments are marked in red.

**Amendments to SGX-ST Rules****Chapter 8 Trading****8.3 Orders**

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**8.3.3**

Unless otherwise determined by SGX-ST, the minimum bid size of the following products shall be as follows:

S/N	Product	Price Range (\$)	Minimum Bid Size (\$)
1	Stocks ( <del>including</del> <del>excluding</del> preference shares), Real Estate Investment Trusts (REITS), business trusts, <u>company</u> warrants and any other class of securities or Futures Contracts not specified in this Rule 8.3.3	Below 0.20	0.001
		0.20 – <del>1.995</del> <u>0.995</u>	0.005
		<del>2.00</del> <u>1.00</u> and above	0.01
<u>1A</u>	<u>Structured warrants</u>	<u>Below 0.20</u>	<u>0.001</u>
		<u>0.20 – 1.995</u>	<u>0.005</u>
		<u>2.00 and above</u>	<u>0.01</u>
2	Exchange traded funds, <del>debentures</del> <u>exchange traded notes</u>	All	\$0.01 or \$0.001 as determined by SGX-ST
3	<u>Debentures, Bonds, and</u> loan stocks <u>and preference shares</u>	All	\$0.001

For the avoidance of doubt, the minimum bid sizes above apply to securities and Futures Contracts denominated in all currencies, except the Hong Kong Dollar ("HKD"), Renminbi ("RMB") or Japanese Yen ("JPY"). For securities and Futures Contracts traded in HKD, RMB and JPY, the minimum bid sizes shall as far as practicable be aligned to the minimum bid sizes applicable in Hong Kong and Japan respectively.

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**8.7 Direct Business**

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**8.7.4**

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Direct Business must be reported through the married trade reporting system of the Trading System under Rule 8.7.5. The price, quantity, counterparty, and other details as required under Rule 8A.3.1 must be reported.

### 8.7.5

Direct Business ~~executed during trading hours~~ must be reported within 10 minutes of execution ~~save that~~. Direct Business executed after ~~market close trading hours~~ must be reported in the first 20 minutes of the Opening Routine on the following Market Day.

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## Practice Note 8.2.1 Application of Market Phases and Algorithm

### 1 Introduction

1.1 This Practice Note explains the application of the various market phases and the algorithm used by SGX-ST in computing the single price for the Opening Routine, Mid-Day Break, Closing Routine and Adjust Phase.

1.2 Rule 8.2.1 says the trading hours and the application of the market phases are as published by SGX-ST.

1.3 Rule 8.2.1 says SGX-ST may vary the trading hours and application of the market phases.

1.4 Rule 8.2.2 sets out the various market phases.

### 2 Application of Market Phases

#### 2.1 Summary of Market Phases

##### (1) Normal Day Trading

08.30	08.58-59*	09.00	17.00	17.04-05**	17.06
Pre-Open	Non-Cancel	Trading	Pre-Close	Non-Cancel	
Opening Routine			Closing Routine		

  

08.30	08.58-59*	09.00	12.00	12.58-59^	13.00	17.00	17.04-05**	17.06
Pre-Open	Non-Cancel	Trading	Pre-Open	Non-Cancel	Trading	Pre-Close	Non-Cancel	
Opening Routine			Mid-Day Break			Closing Routine		

\* Please see Point 2.2(2) and (3)

^ Please see Point 2.3A(2) and (3)

\*\* Please see Point 2.5(3) and (4)

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### (2) Half-Day Trading

08.30	08.58-59*	09.00	<u>12.00</u> <del>12.30</del>	<u>12.04-05**</u> <del>12.34-35**</del>	<u>12.06</u> <del>12.36</del>
Pre-Open		Trading	Pre-Close		Non-Cancel
Opening Routine			Closing Routine		

\* Please see Point 2.2(2) and (3)

\*\* Please see Point 2.5(3) and (4)

### 2.2 Opening Routine

(1) The Opening Routine is a 30-minute session before normal trading starts at 09:00 hours. It comprises ~~the a~~ Pre-Open Phase and ~~the a~~ Non-Cancel Phase.

(2) Pre-Open Phase (08:30 to 08:58–59 hours)

(a) Orders can be entered, modified or withdrawn in the ready and unit share markets.

(b) The bid (offer) can be higher (lower) than the offer (bid).

(c) No matching of orders.

(d) This phase will end randomly at any time from 08:58 to 08:59 hours.

(3) Non-Cancel Phase (08:58–59 to 09:00 hours)

(a) This phase will begin simultaneously with the end of ~~immediately after~~ the Pre-Open Phase ~~ends~~, which may be at any time from 08:58 to 08:59 hours.

(aa) No input, amendment and withdrawal of orders.

(b) Orders that can be matched are matched at a single price computed based on an algorithm set by SGX-ST. The computed price will be the opening price for the day.

(c) Unmatched orders are carried forward into the morning trading session.

### 2.3 Trading Phase

(1) For normal day trading, the morning ~~The~~-Trading Phase is ~~will be~~ from 09:00 to 12:00 hours ~~17:00 hours~~ and the afternoon Trading Phase is from 13:00 to 17:00 hours. For half day trading, the Trading Phase is from 09:00 to 12:00 hours.

(2) Each ~~The~~-Trading Phase allows order entry, order modification and withdrawal of orders. Orders are matched in the order of price priority followed by time priority.

(2A) All unmatched orders after the morning Trading Phase are carried forward to the Mid-Day Break.

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(3) All unmatched orders after the afternoon Trading Phase and after the Trading Phase on half days are carried forward to the Closing Routine.

### 2.3A Mid-Day Break

(1) The Mid-Day Break is a 60-minute session that begins after the morning Trading Phase ends at 12:00 hours, and ends before the afternoon Trading Phase starts at 13:00 hours. It comprises a Pre-Open Phase and a Non-Cancel Phase.

(2) Pre-Open Phase (12:00 to 12:58–59 hours)

(a) Orders can be entered, modified or withdrawn in the ready and unit share markets.

(b) The bid (offer) can be higher (lower) than the offer (bid).

(c) No matching of orders.

(d) This phase will end randomly at any time from 12:58 to 12:59 hours.

(3) Non-Cancel Phase (12:58–59 to 13:00 hours)

(a) This phase will begin simultaneously with the end of the Pre-Open Phase, which may be at any time from 12:58 to 12:59 hours.

(b) No input, amendment and withdrawal of orders.

(c) Orders that can be matched are matched at a single price computed based on an algorithm set by SGX-ST. The computed price will be the opening price for the afternoon trading session.

(d) Unmatched orders are carried forward into the afternoon trading session.

### 2.4 Adjust Phases

(1) An Adjust Phase operates upon the lifting of a suspension of a security or Futures Contract pursuant to Rule 8.10.6, and may also be applied pursuant to Rule 8.10.1A.

(a) The Adjust Phase sets in for 15 minutes. A longer time can be specified.

(b) Orders can be entered, modified or withdrawn for the ready and unit share markets.

(c) The bid (offer) can be higher (lower) than the offer (bid).

(d) Orders that can be matched will be matched at the end of the Adjust Phase at a single price computed based on an algorithm set by SGX-ST before normal trading resumes. Unmatched orders at the end of the Adjust Phase are carried forward into the

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phase of the market applicable when the Adjust Phase ends.

(2) However, the behaviour in paragraph 2.4(1)(d) does not apply in the following scenarios:

(a) When the end of the Adjust Phase coincides with the Opening Routine, Mid-Day Break or Closing Routine. In these circumstances, orders entered are carried forward into and matched accordingly in the respective Opening Routine, Mid-Day Break or Closing Routine.

(b) When SGX-ST specifies that the Adjust Phase is to be followed immediately by a the Non-Cancel Phase. In these circumstances, the Non-Cancel Phase will begin simultaneously with the end of the Adjust Phase, which may be at any time within a one minute window. Orders are carried forward into the Non-Cancel Phase. Orders that can be matched will be matched at a single price computed based on an algorithm set by SGX-ST before normal trading resumes. Unmatched orders at the end of the Non-Cancel Phase are carried forward into the phase of the market applicable when the Non-Cancel Phase ends.

**For illustrative purposes only:**

	10.00	10.15-10.16	10.17	
Suspension	Adjust	Non-Cancel	Trading	

SGX-ST specifies the Adjust Phase is to be followed immediately by a the Non-Cancel Phase and further specifies that the Non-Cancel Phase will begin from 10:15h to 10:16h. In this case, the Adjust Phase will end simultaneously with the beginning of the Non-Cancel Phase at any time from 10:15h to 10:16h. Normal trading will begin at 10:17h.

(c) When SGX-ST closes the market or suspends trading pursuant to Rule 8.10.1, at the end of the Adjust Phase.

(3) [Deleted]

### 2.5 Closing Routine

(1) The Closing Routine is a 6-minute session after trading stops at 17:00 hours for normal day trading, or 12:00 12:30 hours for half-day trading. It comprises a the Pre-Close Phase and a the Non-Cancel Phase.

(2) All unmatched orders are carried forward to the Closing Routine at 17:00 hours (for normal day trading) or 12:00 12:30 hours (for half-day trading).

(3) Pre-Close Phase (17:00 to 17:04–05 hours / 12:00 to 12:04-05 12:30 to 12:34–35 hours)

(a) Orders can be entered, modified or withdrawn in the ready and unit share markets.

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- (b) The bid (offer) can be higher (lower) than the offer (bid).
  - (c) No matching of orders.
  - (d) This phase will end randomly at any time from 17:04 to 17:05 hours (for normal day trading) or 12:04 to 12:05 hours ~~12:34 to 12:35~~ (for half-day trading).
- (4) Non-Cancel Phase (17:04–05 to 17:06 hours / 12:04-05 to 12:06 ~~12:34–35 to 12:36~~ hours)
- (a) This phase will begin simultaneously with the end of ~~immediately after~~ the Pre-Close Phase ~~ends~~, which may be at any time from 17:04 to 17:05 hours (for normal day trading) or 12:04 to 12:05 hours ~~12:34 to 12:35~~ (for half-day trading).
    - (aa) No input, amendment and withdrawal of orders.
    - (b) Orders that can be matched are matched at a single price computed based on an algorithm set by SGX-ST. Unless otherwise specified, the computed price will be the closing price for the day.
    - (c) [Deleted]
- (5) This routine is designed to reduce the risk of manipulating closing prices with a single transaction at an unusually high or low price, just before the trading session ends.

### **3 Algorithm Used by SGX-ST to Compute the Single Price at Which Orders at the End of the Opening Routine, Mid-Day Break, Closing Routine and Adjust Phase are Matched**

3.1 The methodology for computing the single price at which orders at the end of the Opening Routine, Mid-Day Break, Closing Routine and Adjust Phase are matched (“Equilibrium Price”) is as follows:--

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## Practice Note 8.6 Application of the Forced Order Range

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1.2 Unless otherwise determined by SGX-ST, the Forced Order Range of the following products shall be as follows:

S/N	Product	Price Range (\$)	Minimum Bid Size (\$)	Forced Order Range
1	Stocks ( <del>excluding</del> including preference shares), Real Estate Investment Trusts (REITS), business trusts, <u>company</u> warrants and any other class of securities or Futures Contracts not specified in <del>this</del> Rule 8.3.3	Below 0.20	0.001	+/- <del>20</del> <u>30</u> bids
		0.20 – <del>1.995</del> <u>0.995</u>	0.005	
		<del>2.00</del> <u>1.00</u> and above	0.01	
<u>1A</u>	<u>Structured warrants</u>	<u>Below 0.20</u>	<u>0.001</u>	<u>+/- 30 bids</u>
		<u>0.20 – 1.995</u>	<u>0.005</u>	
		<u>2.00 and above</u>	<u>0.01</u>	
2	Exchange traded funds and <del>debentures</del> <u>exchange traded notes</u>	All	0.01 or 0.001 as determined by SGX-ST	+/- 30 bids
3	<u>Debentures, Bbonds, and</u> loan stocks <u>and preference shares</u> quoted in the \$1 price convention	All	0.001	
4	<u>Debentures, Bbonds, and</u> loan stocks <u>and preference shares</u> quoted in the \$100 price convention ( <del>including SGS Bonds</del> )	All	0.001	+/- 1,000 bids

## Practice Note 8.10A Circuit Breaker

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### 3 Characteristics of Circuit Breakers and Cooling-Off Periods

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3.3 The duration of the Cooling-Off Period is five minutes. The Cooling-Off Period will cease upon the commencement of any of the following, even if five minutes have ~~has~~ not elapsed:

- (1) Pre-~~e~~Close ~~e~~Phase;
- (1A) Mid-Day Break;
- (2) Suspension; and
- (3) Trading Halt.

3.4 The Equilibrium Price at the end of the Opening Routine, Mid-Day Break, Closing Routine or Adjust Phase will not activate a Cooling-Off Period (refer to SGX-ST Practice Note 8.2.1 for details on the Opening Routine, Mid-Day Break, Closing Routine and Adjust Phase).

### 4 Calculation of the Circuit Breaker

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4.2. The reference price for the start of the Trading Phase in each trading session ~~the Market Day~~ is as follows:

- (1) the opening price of the security for that trading session, failing which
- (2) either:
  - (a) ~~(i) the previous Market Day's last traded price, or~~ in the case of a Prescribed Security, the last traded price in the morning trading session, failing which, the closing price of the Prescribed Security on the previous Market Day, and (ii) in the case of any other security, the previous trading session's last traded price, or
  - (b) where a share consolidation or share split has occurred since the price stated in (a), a price derived from a pricing model established by SGX-ST (for example, the last traded price prior to the effective date of the consolidation, adjusted for the consolidation ratio), failing which
- (3) the last available traded price.

4.3 The reference price at the start of ~~the Market Day~~ the Trading Phase in each trading session is applicable to the first five minutes of that Trading Phase ~~each Market Day~~. The



reference price for the rest of the ~~Trading Phase Market Day~~ is as follows:

- (1) the last traded price as of five minutes prior to each potential trade; failing which
- (2) the reference price at the start of the ~~Market Day~~ Trading Phase.