



Circular

15 January 2019

Circular No. DT/CCM: 1 of 2019

EXERCISE TO TEST MARKET PARTICIPANTS' BUSINESS CONTINUITY PLANS FROM THEIR BACKUP SYSTEMS TO SGX PRODUCTION SYSTEMS

The Exchange would like to inform participants that SGX production systems will be available on Saturday, 9 March 2019 to allow participants to carry out their Business Continuity Plan (BCP) testing from their backup systems. This is the **only** window for this test in 2019. Members are strongly encouraged to utilise this opportunity to test and verify their relevant BCPs.

Please refer to [Appendix A](#) for the list of SGX systems available for testing. No test plans are provided and members are to refer to the connectivity instructions listed in [Appendix A](#) for each system.

Note:

- Any password change will take effect immediately and remain in force throughout and after the test.
- Testing is limited to application login connectivity to SGX's production systems only. Participants should not perform any test transaction in the production environment.

The schedule for the exercise on **Saturday, 9 March 2019**:

Time	Activities
2:00pm	All participating SGX production systems ready for Participants connectivity testing.
2:00pm to 4:00pm	<u>Testing window</u> Participants to connect their backup systems to SGX systems to confirm connectivity.
4:00pm to 6:00pm	<u>Normalization window</u> Participants re-connect their production systems to SGX systems to confirm connectivity.
At 6:00pm	All Participants' system should be connected to SGX production systems and be ready for next trading day. <u>Note:</u> Participants must email SGX at sgxbcpexercise@sgx.com after reconnecting to SGX systems from their production systems. Please refer to Appendix B for the email template.

Singapore Exchange Derivatives Trading Limited

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sgx.com

Registration Online

Members who wish to participate in this exercise must register online at <http://www.sgxbcp.sg>. Registration via the online portal commences **28 January 2019** and ends on **1 March 2019**.

Please contact the SGX IT Helpdesk at 6236 8400 or it_helpdesk@sgx.com if you encounter any technical issues **during** the testing window and reconnection to the production systems. If you have any queries on this circular, please direct them to sgxbcpexercise@sgx.com or contact your business manager.

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Risk Management

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Appendix A

List of member facing applications available for connectivity testing:

Category	Service Description	Services Name	Connectivity Available
Securities Trading	Securities Trading Engine	Reach ST	Login to trading engine will be available. Business date of the trading engine will be 9 March 2019. Orders submitted to the trading engine will be rejected. Members will be able to download reference data (i.e. instrument) and query for long-dated orders and historical market data information. Any password change done during the exercise will be effective in Production on Monday, 11 March 2019.
	Securities Market Direct Feed	S MDF	Login to trading engine will be available. Business date will be 9 March 2019. Members will be able to download reference data (i.e. instrument) and query for historical market data information. Any password change done during the exercise will be effective in Production on Monday, 11 March 2019.
Derivatives Trading	Derivatives Trading Engine	Titan DT	Login to trading engine will be available. Business date of the trading engine will be 9 March 2019. Orders submitted to the trading engine will be rejected. Members will be able to download reference data (i.e. instrument) and query for historical market data information. CQ68 query will return an empty date, and CQ10 query will return nil since there will not be any trades that day. Any password change done during the exercise will be effective in Production on Monday, 11 March 2019.
	Derivatives Market Direct Feed	D MDF	Login to trading engine will be available. Business date will be 9 March 2019. Members will be able to download reference data (i.e. instrument) and query for historical market data information. CQ68 query will return an empty date since there is no trading on that day. Any password change done during the exercise will be effective in Production on Monday, 11 March 2019.
		PTRC (Titan)	Login to PTRC Risk Xposure (RX) via SSL VPN will be available. Members will be able to view the credit limit, SOQ and product values after login. Any changes made in RX or SSL VPN password will be effective in Production on Monday, 11 March 2019.
Securities Clearing	Depository Management System	SBL System	Login to SBL Web Trade Portal is available via StarGate. The ability to view the StarGate login page is sufficient to verify the connectivity. 1. Go to StarGate Login page https://mylogin.access.sgx 2. If you can see StarGate Login page, there is no need to login to the system and the connectivity test is successful.
	PTS System	PTS API Gateway	PTS API Gateway will not be available. However members can perform Telnet test to check connectivity.

		PTS Web Front-End	<p>Login to PTS Web Front-End is available via StarGate. The ability to view the StarGate login page is sufficient to verify the connectivity.</p> <p>1. Go to StarGate Login page https://mylogin.access.sgx 2. If you can see StarGate Login page, there is no need to login to the system and the connectivity test is successful.</p>
	Collateral Management	eHub (Cosmos)	<p>Login to eHub is available via StarGate. The ability to view the StarGate login page is sufficient to verify that the connectivity.</p> <p>1. Go to StarGate Login page https://mylogin.access.sgx 2. If you can see StarGate Login page, there is no need to login to the system and the connectivity test is successful.</p>
Derivatives Clearing		Titan DC API	<p>Login to TITAN DC API will be available.</p> <p>Members are reminded that the environment and data are 'live' and should not perform any test transaction other than connectivity test as any transaction performed will be taken as valid and good.</p>
		Titan OTC	Login to TITAN OTC GUI will be available.
		Titan OTC FIX	Login to TITAN OTC FIX will be available.
		Titan CW2	<p>Login to CW2 will be available.</p> <p>Members are reminded that the environment and data are 'live' and should not perform any test transaction other than connectivity test as any transaction performed will be taken as valid and good.</p>
Bond Trading	SGX BondPro	SGX Bond Pro	<p>Login to SGX BondPro. Orders submitted to SGX-BT will be rejected. Members will be able to download reference data (i.e. instrument) and query for historical market data information.</p> <p>Any password change done during the exercise will be effective in Production on Monday, 11 March 2019.</p>
	SGX BondPro FIX Interface (Drop copy)	SGX Bond Pro FIX Interface (Drop Copy)	<p>Login via SGX BondPro through FIX Gateway. Heartbeat messages are received.</p> <p>Any password change done during the exercise will be effective in Production on Monday, 11 March 2019.</p>
Others	File Transfer Services for Enterprise Systems	SFTP/SFG	Login to SFTP/SFG will be available.

Appendix B

Test Results Template for 9 March 2019 Participants' BCP from Backup Systems to SGX Production Systems. Please email results template to SGX at sgxbcpexercise@sgx.com after reconnecting to SGX systems from Participants' Production systems. (Please indicate N.A. for services that are not relevant for your firm.)

Legal Entity Name :			
Member's Coordinator Name :			
Member's Coordinator Office Email :			
Member's Coordinator Office Phone # :			
Please select Systems logged in / connected to :	Please indicate Pass or Fail for systems login / connected to		Reminder : no test transaction to be entered
SGX Service Description	Login Status from Members' <u>Secondary</u> Systems	Login Status from Members' <u>Primary</u> Systems	Remarks, if any
Reach ST - Securities Trading Engine			
S MDF - Securities Market Direct Feed			
Titan DT - Derivatives Trading Engine			
D MDF - Derivatives Market Direct Feed			
PTRC (Titan)			
SBL - Depository Management System			
PTS-API Gateway			
PTS-API Web Front-End			
eHub (Cosmos) - Collateral Management			
Titan DC API			
Titan OTC			
Titan OTC FIX			
Titan CW2			
SGX Bond Pro			
SGX Bond Pro FIX Interface (Drop Copy)			
SFTP/SFG - File Transfer Services for Enterprise Systems			