

LDDS System Test Plan on Production Environment

8 February, 2025

1. Test Plan Overview

In order to cooperate with the upgrading of the relevant business of the firm and verify the ability of downstream information providers to deal with abnormal market conditions, our company is now scheduled to organize and carry out the market abnormal drill of the LDDS system and cooperate with the relevant upstream business test from 9:00 to 12:00 on February 8, 2025 (Saturday).

2. Participating Units

- SSE Infonet Co., Ltd.
- China Investment Information Services Ltd (CIIS)
- All Level-2 Information Vendors

3. Test Content

Send Level-2 quotes (bidding, bonds, comprehensive business), Level-1 market (bidding, bonds, comprehensive business), Hong Kong Stock Connect quotes, etc. through the LDDS system production environment.

1. Emergency switching drill for abnormal market conditions in LDDS system

- Scenario 1: The delivery time of the pre-market product information (CPXX) series of files is abnormal

Time: 8:30-9:00

Symptom: The cpxx series static files arrive late on the day of the LDDS system test, and the cpxx series static files of the day are resumed after 9 o'clock

Expectation for the information vendor system: The information vendor can complete the initialization of the market system based on the previous day's CPXX file or wait for the normal CPXX file to be issued, without affecting the external service of the market

- Scenario 2: TKO line bidding level-2 market data is abnormal (some codes are missing).

Time: Pre-market start

Symptom: Directly connected users: TKO line bidding Level-2 market data (snapshot, tick-by-tick) is missing

It is expected that the information vendor system will be able to receive normal bidding Level-2 quotes through another market source ALC without affecting the external market service

- Scenario 3: Bidding Level-2 Market TKO Line Access Abnormal Switchover

Time: around 9:45

Symptom:

Directly connected users: TKO bid all the way to the Level-2 market with a small amount of packet loss, and ALC all the way to the market service is normal

It is expected that the information vendor system will be able to maintain the normal service status of the bidding Level-2 market

- Scenario 4: Bidding Level-2 Dual-Access Switchover Abnormally

Time: around 10:15

Symptom: Directly connected users: A small amount of packet loss occurred in both bidding Level-2 markets

It is expected that the information vendor system will be able to maintain the normal service status of the bidding Level-2 market

- Scenario 5: Bidding Level-2 market is interrupted

Time: around 11:00

Symptom: Directly connected users: Both bidding Level-2 markets are interrupted

Expectation for the information vendor system: The information vendor system can switch to the Level-1 market external service in time

2. Cooperate with upstream related business tests

Verify the receipt and processing of Level-2, Level-1 and Hong Kong Stock Connect quotes.

4. Test Feedback

1. The static file receiving and processing is normal (cpxx, fgy series files);
2. Abnormal market drills;
3. Level-2 market reception and processing;
4. Level-1 market reception and processing;
5. Receipt and processing of Hong Kong Stock Connect quotes (if authoritative);

6. The system recovers normally.

5. Test Schedule

The test will be held on February 8, 2025 from 9:00 to 12:00.

The testing schedule is as follows:

	Auction quotes		Comprehensive business quotes	
1	9:15-9:25	Opening Call Auction	9:15-9:25	Call Auction
2	9:30-10:30	Continuous bidding	9:30-10:30	Continuous trading
3	10:35-11:27	Continuous bidding	10:35-11:30	Continuous trading
4	11:27-11:30	Closing Call Auction	11:30-12:00	After-hours fixed trading on the STAR Market
5	11:30-12:00	After-hours trading		
	New bond quotes		Hong Kong Stock Connect Quotes	
1	9:15-9:25	Call Auction	9:00-9:30	Pre-opening session
2	9:30-10:30	Continuous trading	9:30-12:00	Continuous Trading Session
3	10:35-11:30	Continuous trading	12:00-12:10	Closing Auction Session
4	11:30-12:00	Bond repurchase deals extended		

6. Test Data

In this test, the production environment of the LDDS system is based on the data after the end-of-day processing of all securities on the Shanghai Stock Exchange on February 7, 2025 (Friday) as the starting data of the test.

7. Test Requirements

1. Each participating information provider must do a good job in environmental protection of the production system before the test, and do a good job in environmental restoration after the test is completed. Note that the test data cannot be released to the public.
2. During the test, please record the test phenomena and results in detail and check their correctness. If any abnormal phenomenon is found, report it in time.
3. After the test is completed, all participating information providers submit test feedback in a serious and timely manner.

8. Test Result

After the test, all client needs to report their result base on market rehearsal test form. Please email this form to technical@ciis.com.hk.

Technical Contact:

(852) 2587 1600 (Jerry)

China Investment Information Services Ltd.

27 January, 2025

Appendix I – 8th February, 2025 Test Feedback form

Date of submission: 8th February, 2025

Name of vendor:		
Test In-charge:	Test In-charge Contact No.:	
	Test In-charge Mobile No.:	
Test Result on your system		
1. Emergency switching drill for abnormal market conditions in LDDS system		
Scenario 1: The delivery time of the pre-market product information (CPXX) series of files is abnormal		
Result 1	Can complete the initialization of the market system based on the previous day's CPXX file or wait for the normal CPXX file to be issued, without affecting the external service of the market?	<input type="checkbox"/> Success <input type="checkbox"/> Fail <input type="checkbox"/> Not applicable
Scenario 2: Bidding level-2 market data is abnormal through TKO line (some codes are missing).		
Result 2	Level-2 market data keeps normal in ALC line service?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not applicable
Scenario 3: Bidding Level-2 Market TKO Line access abnormally switchover		
Result 3	Level-2 market data can receiving normally in ALC line?	<input type="checkbox"/> Success <input type="checkbox"/> Fail <input type="checkbox"/> Not applicable
Result 4	Level-2 bidding keeps normal status?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not applicable
Scenario 4: Bidding Level-2 Dual-Access switchover abnormally		
Result 5	Level-2 market data reception and processing normally?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not applicable
Scenario 5: Bidding Level-2 market is interrupted		
Result 6	switch to the Level-1 market data service in time?	<input type="checkbox"/> Success <input type="checkbox"/> Fail <input type="checkbox"/> Not applicable
2. Cooperate with upstream related business tests		
Result 7	Verify the receipt and processing of Level-2, Level-1 and Hong Kong Stock Connect quotes.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not applicable
Exception situation remarks:		
Technical Contact: () :		