

2018 FIA Disaster Recovery Testing Overview

Overview

OneChicago will be participating in the 2018 FIA Disaster Recovery Testing on Saturday, October 13, 2018, between 8:00 a.m. and 2:00 p.m. Central Time.

Prior to the Disaster Recovery Test date, the exchange is hosting a mandatory pre-test connectivity screening on Saturday, September 15, 2018. If a firm does not pass the connectivity screening on Saturday, September 15, 2018, there will be a second connectivity screening on Saturday, September 29, 2018. The connectivity screenings will be held between 8:00 a.m. and 1:00 p.m. Central Time on each date. For a firm to participate in the 2018 FIA Disaster Recovery Testing they must first participate and successfully connect on one of the two dates in September 2018.

While this DR testing initiative is optional, OneChicago highly encourages its users to participate in order to assure access to OneChicago markets under disaster recovery conditions.

OneChicago will also be offering optional Disaster Recovery Testing for Risk Control on Saturday, October 13, 2018.

Please take note of the testing details below.

Test Details

Test	Date and Time
Connectivity Screening #1	Saturday, September 15, 2018 8:00 a.m. – 11:00 a.m. Central Time
Connectivity Screening #2 (if needed)	Saturday, September 29, 2018 8:00 a.m. – 11:00 a.m. Central Time
FIA DR Test	Saturday, October 13, 2018 8:00 a.m. – 2:00 p.m. Central Time Markets will open at 8:30 a.m. Central Time Markets will close at 10:00 a.m. Central Time Disaster Recovery Risk Control

Registration

In order to facilitate testing on test day, please register through the FIA test registration portal <https://secure.fia.org/bcp/test-registration.asp>. This will allow you to register for both the Connectivity Test (September 15, 2018) and the Disaster Recovery Test (October 13, 2018).

Connectivity Test Sessions

Saturday, September 15, 2018 and Saturday, September 29, 2018

Prior to Disaster Recovery testing, customers are required to test connectivity to the applications below (end-users should assure that the specific application ports for their Production sessions are tested in conjunction with the Disaster Recovery IP).

If a firm does not pass the connectivity screening on Saturday, September 15, 2018, there will be a second connectivity screening on September 29, 2018. The connectivity screenings will be held between 8:00 a.m. and 11:00 a.m. Central Time on each date. For a firm to participate in the 2018 FIA Disaster Recovery Testing they must first participate and successfully connect on one of the two Connectivity Screening dates. To pass the connectivity screening on September 15 or 29, 2018, a firm must successfully log into the Trading Front-end or to connect to Delta1 via the FIX API at the OneChicago Disaster Recovery site. This login will be verified by a member of OneChicago’s BCDR staff.

Trading Applications

Connection Type	Gateway IP	Port Ranges
VPN Connections	192.112.37.160	20020-20029 40040-40049
Direct Connections	10.38.65.33 10.38.65.67	Please discuss with your company’s internal networking and application teams. For additional questions regarding you firm’s allocated port ranges, please contact operations@onechicago.com .

Any questions regarding this document should be directed to bcdrtesting@onechicago.com by email or by phone at 312.883.3411

Market Data Applications

Channel Name	Group A Feed	Group B Feed
Main	233.158.244.110:53000	233.158.244.120:54000
Level 2 SSF Refresh	233.158.244.111:53001	233.158.244.121:54001
Level 2 Spread Refresh	233.158.244.113:53003	233.158.244.123:54003
Level 2 Incremental Update	233.158.244.114:53004	233.158.244.124:54004
Level 1 SSF Refresh	233.158.244.115:53005	233.158.244.125:54005
Level 1 Spread Refresh	233.158.244.117:53007	233.158.244.127:54007
Level 1 Incremental Update	233.158.244.118:53008	233.158.244.128:54008
Instrument Definition Refresh	233.158.244.119:53009	233.158.244.129:54009

Please note that customers will need to revert back to their Production settings after the FIA Disaster Recovery test on Saturday, October 13, 2018.

FIA DR Test

Saturday, October 13, 2018

Objectives

- Testing the ability to conduct critical business functions (order entry through settlement) from alternate/back-up facilities simultaneously
- Testing end-to-end processing between customers and OneChicago; including connectivity, entering orders, posting trades, calculating settlement prices and disseminating/receiving of OneChicago Real-time Market Data (OCTP)
- Optional testing of disaster recovery Risk Control capabilities between customers and OneChicago. On test day customers can access Risk Control at OneChicago through the standard login process

Testing Guidelines

- Please use the IPs provided in the tables on pages three and four of this notice for information regarding targeting Disaster Recovery systems. Applications that connect to OneChicago should be migrated to the IPs listed in those tables for DR Testing
- All products will be available for order entry and trade reporting
- In order to satisfy the Disaster Recovery testing requirements, one of the following tasks must be completed:
 - Submit and/or accept a bilaterally negotiated transaction
 - Enter a bid or offer and execute a transaction on the Central Limit Order Book (CLOB)

Day of Testing Contact Information

BCDR Help Desk 312-883-3411

bcdrtesting@onechicago.com

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Schedule

Time (CT)	Activity	Description
5:00 a.m.	Application Gateways Available	OneChicago Disaster Recovery applications are available for connections
6:00 a.m.	Product Catalog	OneChicago Ticker Plant will disseminate a product catalog stream for the products as of Friday's trade date over main channel
6:30 a.m.	Exchange Summary	OneChicago Ticker Plant will disseminate the SOD exchange summary message over the main channel
8:30 a.m.	Mock Trading Begins	OneChicago Products Open
10:00 a.m.	Mock Trading Concludes	OneChicago Products Close
10:15 a.m.	Exchange Summary	OneChicago Ticker Plant will disseminate the EOD exchange summary message over the main channel
10:15 a.m.	EOD Processing at the OCC	Customers should receive DDS messages and see OneChicago trading activity in OCC's Encore
1:00 p.m.	Application Gateways Shutdown	OneChicago Disaster Recovery applications are no longer available for connections

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