

NLX: DISASTER RECOVERY EXERCISE, 6TH FEBRUARY 2016

Introduction

This document describes the arrangements for the failover test in the NLX Genium INET production environment on February 6th, 2016. Required conditions for the tests are that they involve failover between primary and secondary sites, and that verification of system availability are in accordance with the relevant SLA constraints. The purpose of this exercise is to:

- Verify functionality of full site failover;
- Verify the new failover configuration of FIX Market Data and Drop Copy gateways;
- Verify that staff and external members can connect to the secondary site, in accordance with relevant SLA constraints;
- To train personnel in handling a full site failover in the NLX Genium INET system according to established routines.

The test

Nasdaq will perform site failover functionality test in the Production environment on Saturday February 6th 2016. During the test the system will be available for login to NLX, Nasdaq and NLX Participants. Standard reference data and business queries will be supported. No other type of business functionality will be enabled.

Timeline

All times are given in London time.

Internal communication:

- 0900 Disaster recovery test starts.
- 1215 Site A Primary FIX Market Data and Drop Copy Gateways failover to Site A warm gateways
- 1300 Disaster recovery test failover to Site B completed. External verification started.
- 1400 External verification completed. LCH GW test started.
- 1430 LCH GW test completed. System returning to normal weekend operations.
- 1530 All testing completed.

External communication:

- 1030 Confirmation of the availability of the system and the start of the test.
- 1200 Confirmation that the failover has started.
- 1300 Confirmation that Site B is ready, external verification started.
- 1400 Confirmation that failover test is completed.

Protocol specific details

FIX

Login enabled;
Messages supported: Administrative messages.

ITCH

Login enabled;
Re-request available;
Messages supported: T, S, R, L, M, O, A (GTD orders).

Test cases

In order to validate complete and successful Genium INET failover, a number of test cases will be performed. These cases are documented in "Appendix 1".