Alternative Site Recovery Test Update

The purpose of this Service Announcement is to provide clients with additional activity information for the London Stock Exchange and TRADEcho Alternative Site Recovery (ASR) Test, scheduled for Saturday 22 February 2020.

Please see the second page of this announcement for a schedule of the day’s activities and additional information.

The test involves simulating a disruption to the live service serious enough to warrant a controlled shutdown of the systems at London Stock Exchange’s Primary Site, followed by subsequent recovery of systems at the Alternate Site. The aim of this exercise is to test the following:

- the technical process of recovery and sequence of events during this process
- the process of suspension and restoration of the market
- the communications between London Stock Exchange and participants during recovery
- the ability of participants to connect to the Alternate Site and trade as normal
- London hosted customers are also invited to participate in the ASR test. This will simulate a local platform issue and allow customer traffic routing between our primary site and our secondary site
- London Stock Exchange will undertake some intraday reference data actions which will include the suspension and/or restoration of instruments.

Whilst this test is not mandatory, all clients are strongly recommended to participate as it provides the opportunity to familiarise themselves with London Stock Exchange’s ASR recovery procedures, and to confirm that their systems are able to connect to the Alternate Site and process the relevant messages generated by the above actions.

Services Available
The following gateways will be tested in the ASR: Native Trading, FIX Trading, Post Trade, Drop Copy, TRADEcho FIX and Web Portal, GTP Multicast and Unicast.

Reference data files will not be generated for the ASR test. Clients are advised to use Friday’s reference data files which are available on the FTP server.
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The ASR Test is expected to follow the schedule described in the table below.

London Stock Exchange Schedule

<table>
<thead>
<tr>
<th>Time (GMT)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>07:00</td>
<td>Connectivity to all Millennium Exchange gateways at PDC</td>
</tr>
<tr>
<td>07:00 – 07:50</td>
<td>Pre-Trading</td>
</tr>
<tr>
<td>07:50 – 08:00</td>
<td>Open Auction Call</td>
</tr>
<tr>
<td>08:00 – 08:30</td>
<td>Regular Trading</td>
</tr>
<tr>
<td>08:30</td>
<td>Simulated Failure at PDC</td>
</tr>
<tr>
<td>11:00</td>
<td>Client connectivity re-established (clients start receiving multicast and requesting own order/own trades book download)</td>
</tr>
<tr>
<td>11:30 – 12:00</td>
<td>Market Restart</td>
</tr>
<tr>
<td>12:00 – 13:30</td>
<td>Re-commence Regular Trading and intraday reference data action performed by London Stock Exchange</td>
</tr>
<tr>
<td>13:30</td>
<td>Market close¹</td>
</tr>
<tr>
<td>15:30 – 19:00</td>
<td>Roll back to PDC – McPoll and Unicom service will be enabled for clients to test connectivity back to PDC</td>
</tr>
</tbody>
</table>

TRADEcho Schedule

<table>
<thead>
<tr>
<th>Time (GMT)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>07:15 – 8:30</td>
<td>Connectivity and Trade Reporting at PDC</td>
</tr>
<tr>
<td>08:30</td>
<td>Disaster invoked.</td>
</tr>
<tr>
<td>10:00 – 13:30</td>
<td>Connectivity and Trade Reporting available in SDC</td>
</tr>
<tr>
<td>15:30 – 19:00</td>
<td>TCP telnet availability of TRADEcho gateways</td>
</tr>
</tbody>
</table>

Please note that all times shown in the schedule above are indicative and are subject to change on the day. Confirmation of when the gateways will be available for clients to connect at SDC and any changes to the schedule, including intraday reference data actions, will be posted on the Weekend Activity Monitor.

¹ No Closing Auction or Post Close sessions.
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**Weekend Activity Monitor**
Clients will be informed of the day’s progress, via the weekend activity monitor, which can be accessed at the link below:

http://liveservice.lseg.com/wam

**Registration and Sign Off**
If you would like to participate in this test, please contact either your Technical Customer Relationship Manager or the Technical Customer Relationship Management team and confirm your participation by midday **Thursday 20 February 2020**.

Clients should provide sign off via email to londontam@lseg.com on the test day once testing is complete and they are successfully functioning at SDC.

**ASR Contact Details**
The following teams are available for contact on the test day:

Client Support (available from 07:30 – 13:30 GMT)
Email: support@lseg.com
Tel: +44 (0) 207 797 1500

Technical Customer Relationship Management (available from 07:30 – 13:30 GMT)
Email: londontam@lseg.com
Tel: +44 (0) 207 797 3939
Service Announcement
001/18022020

Alternative Site Recovery Test Update

Relates to

Exchange(s)
— London Stock Exchange

Environment(s)
— Production

Type
— Alternative Site Recovery Test

Product(s)
— Millennium Exchange
— Group Ticker Plant (GTP)
— TRADEcho

Additional Information

If you have any queries about this announcement please contact your Technical Account Manager on:
+44 (0) 20 7797 3939 or londontam@lseq.com.

An archive of previously issued service announcements is available in the technical library section of the Exchange’s Internet site [http://www.londonstockexchange.com/techlib](http://www.londonstockexchange.com/techlib).

Customers are reminded that the London Stock Exchange may broadcast test data from its Production environment at the weekends which should be discarded and not processed.

Customers are reminded that London Stock Exchange may extend or re-enter the Post Close session for instruments or segments in order to perform necessary end of day activities.