Cboe Completes Acquisition of MATCHNow
On Tuesday, August 4, Cboe announced the completion of its acquisition of MATCHNow, the largest equities alternative trading system (ATS) in Canada. See the press release.

Open-Close Data Files Now Available Intraday
Cboe Open-Close data files are now available intraday in 10-minute increments via Cboe DataShop. The intraday files include trade prices in addition to summary volume data and are available as a subscription or as historical downloads for all Cboe U.S. Options Exchanges.

Ratio Check for Electronic Stock-Option Orders
Effective today, August 7, Cboe and EDGX Options Exchanges will use the smallest option leg on stock options orders when evaluating the compliance of 8 options to 100 shares to determine eligibility for stock-option orders processed electronically via COA, COB, AIM, SAM and QCC. See the Tradedesk Update.

Mini VIX Futures to Launch
Mini Cboe Volatility Index (ticker symbol: VXM) futures contracts on Cboe Futures Exchange (CFE) will start trading on Sunday, August 9 at 5:00 pm CST with the opening of global trading hours. Initial series will feature September, October, November and December expirations. In preparation, CFE has made available symbol reference files for simple and spread VXM instruments from now until the launch of VXM futures. See the Tradedesk Update or mini VIX futures website for additional details.

Updates to Cboe Options Adds Penserra
Effective Monday, August 10, Cboe and EDGX Options Exchanges will offer Penserra via NYSE Chicago as an additional stock leg crossing destination for Qualified Contingent Cross (QCC) orders. Testing is currently available in the Cboe and EDGX certification environments. See the Tradedesk Update.

Cboe Options to Provide Additional Destination PAR ID Information
Effective Wednesday, August 26, the FloorDestination field will only be echoed back on the Order Acknowledgement and Order Restated messages when an order is routed to the floor. This new functionality will not be applied to orders manually routed on the floor from one PAR workstation to another PAR workstation. See the Tradedesk Update.

Cboe Reports Trading Volume for July 2020

<table>
<thead>
<tr>
<th></th>
<th>July 2020</th>
<th>July 2019</th>
<th>% Chg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Options ADV (contracts)</td>
<td>8.96M</td>
<td>6.74M</td>
<td>+32.9%</td>
</tr>
<tr>
<td>Futures ADV (contracts)</td>
<td>0.14M</td>
<td>0.24M</td>
<td>-39.2%</td>
</tr>
<tr>
<td>U.S. Equities ADV (matched shares)</td>
<td>1.61B</td>
<td>1.09B</td>
<td>+48.3%</td>
</tr>
<tr>
<td>European Equities ADNV (€)</td>
<td>5.87B</td>
<td>6.72B</td>
<td>-12.6%</td>
</tr>
<tr>
<td>Global FX Matched ADNV ($)</td>
<td>$30.03B</td>
<td>$27.50B</td>
<td>+9.2%</td>
</tr>
</tbody>
</table>

On Wednesday, August 5, Cboe reported July 2020 trading volume. For a full recap of volume highlights for the month, see the press release.

Cboe Enhances ClearingOptionalData Field
Effective Friday, August 28, the Options FIX and BOE protocols will be updated to expand support for the ClearingOptionalData field, currently supported on order entry messages, to also include cancel and reject messages. This enhancement will be supported on the BZX, Cboe, C2 and EDGX Options Exchanges. Testing is currently available in the BZX, Cboe, C2 and EDGX certification environments. See the Tradedesk Update.

Cboe DR Data Center Migration
This month, the Disaster Recovery (DR) environment for CFE will be relocated from 400 S. LaSalle Street in Chicago to 350 Cermak Road in Chicago, joining Cboe’s other equities and options DR platforms. In September, the DR environment for CFE will follow suit.

A weekend testing opportunity for the C2 DR environment is planned for Saturday, August 29. The environment is expected to go live on Monday, August 31. A weekend testing opportunity for the CFE DR environment is planned for Saturday, September 12. The environment is expected to go live on Sunday, September 13. See the Tradedesk Update.

We encourage your input on these and other exchange matters. Please feel free to contact us.

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