Note: Broker-dealers are required to disclose any material arrangements with the venues listed in each section below, including, but not limited to, any internalization or payment for order flow arrangements.

SEC Rule 606 Quarterly Report for the Quarter Ending December 31, 2018

Securities Listed on New York Stock Exchange

Summary Statistics:

<table>
<thead>
<tr>
<th>Type of Order</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-directed orders as percentage of total customer orders</td>
<td>100.00%</td>
</tr>
<tr>
<td>Market orders as percentage of total market orders</td>
<td>90.69%</td>
</tr>
<tr>
<td>Limit orders as percentage of total limit orders</td>
<td>7.69%</td>
</tr>
<tr>
<td>Other orders as percentage of total other orders</td>
<td>1.62%</td>
</tr>
</tbody>
</table>

Venues Receiving Significant Percentage of Total Non-Directed Orders:

1. Citadel Securities LLC 48.49%
2. G1 Execution Services, LLC 18.98%
3. VIRTU Americas LLC 16.64%
4. Two Sigma Securities, LLC 5.70%
5. National Financial Services LLC 4.38%
6. New York Stock Exchange 2.81%
7. NASDAQ Execution Services, LLC 1.03%
8. UBS Securities, LLC 0.97%
9. Cboe EDGX U.S. Equities Exchange 0.81%
10. Cboe BZX U.S. Equities Exchange 0.08%

Information Concerning Significant Venues:

1. Citadel Securities LLC

   Types of Orders Routed to Venue:

<table>
<thead>
<tr>
<th>Type of Order</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Market orders as percentage of total market orders</td>
<td>51.09%</td>
</tr>
<tr>
<td>Limit orders as percentage of total limit orders</td>
<td>19.41%</td>
</tr>
<tr>
<td>Other orders as percentage of total other orders</td>
<td>41.14%</td>
</tr>
</tbody>
</table>

2. G1 Execution Services, LLC

   Types of Orders Routed to Venue:

<table>
<thead>
<tr>
<th>Type of Order</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Market orders as percentage of total market orders</td>
<td>20.40%</td>
</tr>
<tr>
<td>Limit orders as percentage of total limit orders</td>
<td>5.78%</td>
</tr>
<tr>
<td>Other orders as percentage of total other orders</td>
<td>2.44%</td>
</tr>
</tbody>
</table>
3. **VIRTU Americas LLC**

Types of Orders Routed to Venue:

- Market orders as percentage of total market orders: **16.81%**
- Limit orders as percentage of total limit orders: **10.15%**
- Other orders as percentage of total other orders: **38.29%**

4. **Two Sigma Securities, LLC**

Types of Orders Routed to Venue:

- Market orders as percentage of total market orders: **6.11%**
- Limit orders as percentage of total limit orders: **1.33%**
- Other orders as percentage of total other orders: **3.67%**

5. **National Financial Services LLC**

Types of Orders Routed to Venue:

- Market orders as percentage of total market orders: **4.67%**
- Limit orders as percentage of total limit orders: **1.50%**
- Other orders as percentage of total other orders: **1.83%**

6. **New York Stock Exchange**

Types of Orders Routed to Venue:

- Market orders as percentage of total market orders: **0.00%**
- Limit orders as percentage of total limit orders: **36.16%**
- Other orders as percentage of total other orders: **1.63%**

7. **NASDAQ Execution Services, LLC**

Types of Orders Routed to Venue:

- Market orders as percentage of total market orders: **0.00%**
- Limit orders as percentage of total limit orders: **13.32%**
- Other orders as percentage of total other orders: **0.41%**

8. **UBS Securities, LLC**

Types of Orders Routed to Venue:

- Market orders as percentage of total market orders: **0.92%**
- Limit orders as percentage of total limit orders: **1.03%**
- Other orders as percentage of total other orders: **3.67%**

9. **Cboe EDGX U.S. Equities Exchange**

Types of Orders Routed to Venue:

- Market orders as percentage of total market orders: **0.00%**
- Limit orders as percentage of total limit orders: **10.50%**
- Other orders as percentage of total other orders: **0.00%**

10. **Cboe BZX U.S. Equities Exchange**

Types of Orders Routed to Venue:

- Market orders as percentage of total market orders: **0.00%**
- Limit orders as percentage of total limit orders: **0.77%**
- Other orders as percentage of total other orders: **1.43%**
Summary Statistics:

Non-directed orders as percentage of total customer orders 100.00%
Market orders as percentage of total market orders 86.39%
Limit orders as percentage of total limit orders 11.18%
Other orders as percentage of total other orders 2.43%

Venues Receiving Significant Percentage of Total Non-Directed Orders:

1. Citadel Securities LLC 51.16%
2. VIRTU Americas LLC 16.36%
3. G1 Execution Services, LLC 16.33%
4. Two Sigma Securities, LLC 6.43%
5. NASDAQ Execution Services, LLC 4.84%
6. National Financial Services LLC 2.55%
7. Cboe EDGX U.S. Equities Exchange 1.25%
8. UBS Securities, LLC 0.73%
9. Cboe BZX U.S. Equities Exchange 0.22%
10. Credit Suisse Securities (USA) LLC 0.05%

Information Concerning Significant Venues:

1. Citadel Securities LLC

Types of Orders Routed to Venue:

<table>
<thead>
<tr>
<th>Order Type</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Market orders as percentage of total market orders</td>
<td>54.24%</td>
</tr>
<tr>
<td>Limit orders as percentage of total limit orders</td>
<td>21.56%</td>
</tr>
<tr>
<td>Other orders as percentage of total other orders</td>
<td>78.02%</td>
</tr>
</tbody>
</table>

2. VIRTU Americas LLC

Types of Orders Routed to Venue:

<table>
<thead>
<tr>
<th>Order Type</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Market orders as percentage of total market orders</td>
<td>16.78%</td>
</tr>
<tr>
<td>Limit orders as percentage of total limit orders</td>
<td>14.51%</td>
</tr>
<tr>
<td>Other orders as percentage of total other orders</td>
<td>9.90%</td>
</tr>
</tbody>
</table>

3. G1 Execution Services, LLC

Types of Orders Routed to Venue:

<table>
<thead>
<tr>
<th>Order Type</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Market orders as percentage of total market orders</td>
<td>18.10%</td>
</tr>
<tr>
<td>Limit orders as percentage of total limit orders</td>
<td>4.89%</td>
</tr>
<tr>
<td>Other orders as percentage of total other orders</td>
<td>6.28%</td>
</tr>
</tbody>
</table>

4. Two Sigma Securities, LLC

Types of Orders Routed to Venue:

<table>
<thead>
<tr>
<th>Order Type</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Market orders as percentage of total market orders</td>
<td>7.20%</td>
</tr>
<tr>
<td>Limit orders as percentage of total limit orders</td>
<td>1.89%</td>
</tr>
<tr>
<td>Other orders as percentage of total other orders</td>
<td>0.00%</td>
</tr>
</tbody>
</table>
5. NASDAQ Execution Services, LLC

Types of Orders Routed to Venue:

<table>
<thead>
<tr>
<th>Type of Order</th>
<th>Percentage of Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Market orders</td>
<td>0.00%</td>
</tr>
<tr>
<td>Limit orders</td>
<td>43.11%</td>
</tr>
<tr>
<td>Other orders</td>
<td>0.97%</td>
</tr>
</tbody>
</table>

6. National Financial Services LLC

Types of Orders Routed to Venue:

<table>
<thead>
<tr>
<th>Type of Order</th>
<th>Percentage of Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Market orders</td>
<td>2.84%</td>
</tr>
<tr>
<td>Limit orders</td>
<td>0.84%</td>
</tr>
<tr>
<td>Other orders</td>
<td>0.24%</td>
</tr>
</tbody>
</table>

7. Cboe EDGX U.S. Equities Exchange

Types of Orders Routed to Venue:

<table>
<thead>
<tr>
<th>Type of Order</th>
<th>Percentage of Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Market orders</td>
<td>0.00%</td>
</tr>
<tr>
<td>Limit orders</td>
<td>11.15%</td>
</tr>
<tr>
<td>Other orders</td>
<td>0.00%</td>
</tr>
</tbody>
</table>

8. UBS Securities, LLC

Types of Orders Routed to Venue:

<table>
<thead>
<tr>
<th>Type of Order</th>
<th>Percentage of Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Market orders</td>
<td>0.80%</td>
</tr>
<tr>
<td>Limit orders</td>
<td>0.21%</td>
</tr>
<tr>
<td>Other orders</td>
<td>0.72%</td>
</tr>
</tbody>
</table>

9. Cboe BZX U.S. Equities Exchange

Types of Orders Routed to Venue:

<table>
<thead>
<tr>
<th>Type of Order</th>
<th>Percentage of Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Market orders</td>
<td>0.00%</td>
</tr>
<tr>
<td>Limit orders</td>
<td>1.79%</td>
</tr>
<tr>
<td>Other orders</td>
<td>0.72%</td>
</tr>
</tbody>
</table>

10. Credit Suisse Securities (USA) LLC

Types of Orders Routed to Venue:

<table>
<thead>
<tr>
<th>Type of Order</th>
<th>Percentage of Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Market orders</td>
<td>0.00%</td>
</tr>
<tr>
<td>Limit orders</td>
<td>0.00%</td>
</tr>
<tr>
<td>Other orders</td>
<td>1.93%</td>
</tr>
</tbody>
</table>
Securities Listed on NYSE American or Regional Exchanges

Summary Statistics:

Non-directed orders as percentage of total customer orders 100.00%
Market orders as percentage of total market orders 96.46%
Limit orders as percentage of total limit orders 2.80%
Other orders as percentage of total other orders 0.74%

Venues Receiving Significant Percentage of Total Non-Directed Orders:

1. Citadel Securities LLC 53.26%
2. G1 Execution Services, LLC 18.91%
3. VIRTU Americas LLC 17.89%
4. Two Sigma Securities, LLC 6.44%
5. UBS Securities, LLC 0.99%
6. National Financial Services LLC 0.74%
7. NYSE Arca 0.51%
8. Cboe EDGX U.S. Equities Exchange 0.34%
9. NASDAQ Execution Services, LLC 0.34%
10. NYSE American 0.32%

Information Concerning Significant Venues:

1. Citadel Securities LLC

   Types of Orders Routed to Venue:
   
<table>
<thead>
<tr>
<th>Order Type</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Market orders as percentage of total market orders</td>
<td>54.44%</td>
</tr>
<tr>
<td>Limit orders as percentage of total limit orders</td>
<td>16.67%</td>
</tr>
<tr>
<td>Other orders as percentage of total other orders</td>
<td>38.53%</td>
</tr>
</tbody>
</table>

2. G1 Execution Services, LLC

   Types of Orders Routed to Venue:

<table>
<thead>
<tr>
<th>Order Type</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Market orders as percentage of total market orders</td>
<td>19.46%</td>
</tr>
<tr>
<td>Limit orders as percentage of total limit orders</td>
<td>4.59%</td>
</tr>
<tr>
<td>Other orders as percentage of total other orders</td>
<td>1.83%</td>
</tr>
</tbody>
</table>

3. VIRTU Americas LLC

   Types of Orders Routed to Venue:

<table>
<thead>
<tr>
<th>Order Type</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Market orders as percentage of total market orders</td>
<td>17.61%</td>
</tr>
<tr>
<td>Limit orders as percentage of total limit orders</td>
<td>21.01%</td>
</tr>
<tr>
<td>Other orders as percentage of total other orders</td>
<td>43.12%</td>
</tr>
</tbody>
</table>

4. Two Sigma Securities, LLC

   Types of Orders Routed to Venue:

<table>
<thead>
<tr>
<th>Order Type</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Market orders as percentage of total market orders</td>
<td>6.60%</td>
</tr>
<tr>
<td>Limit orders as percentage of total limit orders</td>
<td>1.45%</td>
</tr>
<tr>
<td>Other orders as percentage of total other orders</td>
<td>4.59%</td>
</tr>
</tbody>
</table>
5. UBS Securities, LLC

Types of Orders Routed to Venue:

- Market orders as percentage of total market orders: 1.00%
- Limit orders as percentage of total limit orders: 0.48%
- Other orders as percentage of total other orders: 1.83%

6. National Financial Services LLC

Types of Orders Routed to Venue:

- Market orders as percentage of total market orders: 0.76%
- Limit orders as percentage of total limit orders: 0.48%
- Other orders as percentage of total other orders: 0.00%

7. NYSE Arca

Types of Orders Routed to Venue:

- Market orders as percentage of total market orders: 0.00%
- Limit orders as percentage of total limit orders: 17.15%
- Other orders as percentage of total other orders: 4.59%

8. Cboe EDGX U.S. Equities Exchange

Types of Orders Routed to Venue:

- Market orders as percentage of total market orders: 0.00%
- Limit orders as percentage of total limit orders: 12.08%
- Other orders as percentage of total other orders: 0.00%

9. NASDAQ Execution Services, LLC

Types of Orders Routed to Venue:

- Market orders as percentage of total market orders: 0.00%
- Limit orders as percentage of total limit orders: 12.08%
- Other orders as percentage of total other orders: 12.08%

10. NYSE American

Types of Orders Routed to Venue:

- Market orders as percentage of total market orders: 0.00%
- Limit orders as percentage of total limit orders: 11.59%
- Other orders as percentage of total other orders: 0.00%
Summary Statistics:

Non-directed orders as percentage of total customer orders 100.00%
Market orders as percentage of total market orders 40.03%
Limit orders as percentage of total limit orders 59.81%
Other orders as percentage of total other orders 0.16%

Venues Receiving Significant Percentage of Total Non-Directed Orders:

1. Cboe Options Exchange 28.04%
2. NASDAQ PHLX Options 14.91%
3. NASDAQ Options Market 13.61%
4. BOX Option Exchange 6.81%
5. ISE Gemini Options Exchange 6.81%
6. NYSE Arca Options 6.48%
7. Cboe BZX Options Exchange, Inc. 6.16%
8. The MIAX Options Exchange 5.83%
9. NYSE American Options 3.73%
10. Cboe EDGX Option Exchange 2.43%

Information Concerning Significant Venues:

1. Cboe Options Exchange
   Types of Orders Routed to Venue:
   - Market orders as percentage of total market orders 41.70%
   - Limit orders as percentage of total limit orders 18.70%
   - Other orders as percentage of total other orders 100.00%

2. NASDAQ PHLX Options
   Types of Orders Routed to Venue:
   - Market orders as percentage of total market orders 19.43%
   - Limit orders as percentage of total limit orders 11.92%
   - Other orders as percentage of total other orders 0.00%

3. NASDAQ Options Market
   Types of Orders Routed to Venue:
   - Market orders as percentage of total market orders 1.21%
   - Limit orders as percentage of total limit orders 21.95%
   - Other orders as percentage of total other orders 0.00%

4. BOX Option Exchange
   Types of Orders Routed to Venue:
   - Market orders as percentage of total market orders 11.34%
   - Limit orders as percentage of total limit orders 3.79%
   - Other orders as percentage of total other orders 0.00%
5. ISE Gemini Options Exchange

Types of Orders Routed to Venue:

- Market orders as percentage of total market orders: 1.21%
- Limit orders as percentage of total limit orders: 10.57%
- Other orders as percentage of total other orders: 0.00%

6. NYSE Arca Options

Types of Orders Routed to Venue:

- Market orders as percentage of total market orders: 2.02%
- Limit orders as percentage of total limit orders: 9.49%
- Other orders as percentage of total other orders: 0.00%

7. Cboe BZX Options Exchange, Inc.

Types of Orders Routed to Venue:

- Market orders as percentage of total market orders: 1.21%
- Limit orders as percentage of total limit orders: 9.49%
- Other orders as percentage of total other orders: 0.00%

8. The MIAX Options Exchange

Types of Orders Routed to Venue:

- Market orders as percentage of total market orders: 4.45%
- Limit orders as percentage of total limit orders: 6.78%
- Other orders as percentage of total other orders: 0.00%

9. NYSE American Options

Types of Orders Routed to Venue:

- Market orders as percentage of total market orders: 6.07%
- Limit orders as percentage of total limit orders: 2.17%
- Other orders as percentage of total other orders: 0.00%

10. Cboe EDGX Option Exchange

Types of Orders Routed to Venue:

- Market orders as percentage of total market orders: 1.62%
- Limit orders as percentage of total limit orders: 2.98%
- Other orders as percentage of total other orders: 0.00%