NYLIFE SECURITIES LLC, MEMBER FINRA, SIPC 51 MADISON AVENUE, ROOM 251, NEW YORK, NY 10010

NYLIFE Securities, LLC. ("NYLIFE Securities") has prepared this report, in conjunction with its clearing firm, National Financial Services, LLC ("NFS"), pursuant to a U.S. Securities and Exchange Commission rule requiring all brokerage firms to make publicly available quarterly reports on their order routing practices. The report provides information on the routing of "non-directed orders" – any order that the customer has not specifically instructed to be routed to a particular venue for execution. For these non-directed orders NFS has selected the execution venue on behalf of customers of NYLIFE Securities.

The report is divided into four sections: one for securities listed on the New York Stock Exchange, one for securities listed on The Nasdaq Stock Market, one for securities listed on the American Stock Exchange or regional exchanges, and one for exchange-listed options. For each section, this report identifies the venues most often selected by NFS and sets forth the percentage of various types of orders routed to the venues.

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.

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NYLIFE SECURITIES LLC. MEMBER FINRA, SIPC 51 MADISON AVENUE, ROOM 251 NEW YORK, NY 10010

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

Securities Listed on New York Stock Exchange

Summary Statistics:	
Non-directed orders as percentage of total customer orders	100.00%
Market orders as percentage of total market orders	97.59%
Limit orders as percentage of total limit orders	1.98%
Other orders as percentage of total other orders	0.44%

Venues Receiving Significant Percentage of Total Non-Directed Orders:

1.	Citadel Securities LLC	53.09%
2.	G1 Execution Services, LLC	20.46%
3.	VIRTU Americas LLC	17.44%
4.	Two Sigma Securities, LLC	6.88%
5.	UBS Securities, LLC	0.93%
6.	New York Stock Exchange	0.58%
7.	NASDAQ Execution Services, LLC	0.32%
8.	Cboe EDGX U.S. Equities Exchange	0.26%
9.	Cboe BZX U.S. Equities Exchange	0.01%
10.	BIDS Trading L.P.	0.00%
Inforr 1.	mation Concerning Significant Venues : Citadel Securities LLC	
	Types of Orders Routed to Venue :	
	Market orders as percentage of total market orders	53.75%
	Limit orders as percentage of total limit orders	19.68%
	Other orders as percentage of total other orders	56.12%
2.	G1 Execution Services, LLC	
	Types of Orders Routed to Venue :	20.85%
	Market orders as percentage of total market orders Limit orders as percentage of total limit orders	20.85%
	Other orders as percentage of total other orders	1.02%
	Other orders as percentage of total other orders	1.02%

3. VIRTU Americas LLC

	Types of Orders Routed to Venue : Market orders as percentage of total market orders Limit orders as percentage of total limit orders Other orders as percentage of total other orders	17.48% 12.90% 28.57%
4.	Two Sigma Securities, LLC	
	Types of Orders Routed to Venue : Market orders as percentage of total market orders Limit orders as percentage of total limit orders Other orders as percentage of total other orders	6.99% 1.81% 6.12%
5.	UBS Securities, LLC	
	Types of Orders Routed to Venue : Market orders as percentage of total market orders Limit orders as percentage of total limit orders Other orders as percentage of total other orders	0.92% 0.68% 5.10%
6.	New York Stock Exchange	
	Types of Orders Routed to Venue : Market orders as percentage of total market orders Limit orders as percentage of total limit orders Other orders as percentage of total other orders	0.00% 28.96% 2.04%
7.	NASDAQ Execution Services, LLC	
	Types of Orders Routed to Venue : Market orders as percentage of total market orders Limit orders as percentage of total limit orders Other orders as percentage of total other orders	0.00% 16.06% 0.00%
8.	Cboe EDGX U.S. Equities Exchange	
	Types of Orders Routed to Venue : Market orders as percentage of total market orders Limit orders as percentage of total limit orders Other orders as percentage of total other orders	0.00% 13.35% 0.00%
9.	Cboe BZX U.S. Equities Exchange	
	Types of Orders Routed to Venue : Market orders as percentage of total market orders Limit orders as percentage of total limit orders Other orders as percentage of total other orders	0.00% 0.68% 0.00%
10.	BIDS Trading L.P.	
	Types of Orders Routed to Venue : Market orders as percentage of total market orders Limit orders as percentage of total limit orders Other orders as percentage of total other orders	0.00% 0.00% 1.02%

Securities Listed on The Nasdaq Stock Market

0.01%

42.75%

1.05%

Summary Statistics:

Non-directed orders as percentage of total customer orders	100.00%
Market orders as percentage of total market orders	96.10%
Limit orders as percentage of total limit orders	3.13%
Other orders as percentage of total other orders	0.77%

Venues Receiving Significant Percentage of Total Non-Directed Orders:

1.	Citadel Securities LLC	55.38%
2.	VIRTU Americas LLC	18.01%
3.	G1 Execution Services, LLC	17.57%
4.	Two Sigma Securities, LLC	6.31%
5.	NASDAQ Execution Services, LLC	1.35%
6.	UBS Securities, LLC	1.01%
7.	Cboe EDGX U.S. Equities Exchange	0.30%
8.	Cboe BZX U.S. Equities Exchange	0.04%
9.	State Street Global Markets, LLC	0.01%
10.	NYLIFE SECURITIES INC.	0.01%

Information Concerning Significant Venues :

1. Citadel Securities LLC	LLC	Securities	Citade	1.
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Types of Orders Routed to Venue :	
Market orders as percentage of total market orders	56.19%
Limit orders as percentage of total limit orders	22.54%
Other orders as percentage of total other orders	88.42%

2. VIRTU Americas LLC

Types of Orders Routed to Venue :	
Market orders as percentage of total market orders	18.15%
Limit orders as percentage of total limit orders	15.80%
Other orders as percentage of total other orders	10.53%

3. G1 Execution Services, LLC

Types of Orders Routed to Venue :	
Market orders as percentage of total market orders	18.11%
Limit orders as percentage of total limit orders	5.18%
Other orders as percentage of total other orders	0.00%

4. Two Sigma Securities, LLC

	Types of Orders Routed to Venue : Market orders as percentage of total market orders	6.48%
	Limit orders as percentage of total limit orders Other orders as percentage of total other orders	2.59% 0.00%
5.	NASDAQ Execution Services, LLC	

Types of Orders Routed to Venue : Market orders as percentage of total market orders Limit orders as percentage of total limit orders Other orders as percentage of total other orders

6. UBS Securities, LLC

Market orders as percentage of total market orders	1.05%
Limit orders as percentage of total limit orders	0.26%
Other orders as percentage of total other orders	0.00%

7. 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	9.59%	
	Other orders as percentage of total other orders	0.00%	
8.	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	1.30%	
	Other orders as percentage of total other orders	0.00%	
9.	State Street Global Markets, LLC		
	Types of Orders Routed to Venue :		
	Market orders as percentage of total market orders	0.01%	
	Limit orders as percentage of total limit orders	0.00%	
	Other orders as percentage of total other orders	0.00%	
10.	NYLIFE SECURITIES INC.		
	Types of Orders Routed to Venue :		
	Market orders as percentage of total market orders	0.01%	
	Limit orders as percentage of total limit orders	0.00%	
	Other orders as percentage of total other orders	0.00%	
	Securities Listed on NYSE	American or Regional I	Exchange
Summ	nary Statistics:		
	directed orders as percentage of total customer orders	100.00%	
	et orders as percentage of total market orders	98.65%	
	orders as percentage of total limit orders	1.16%	
		0.400/	
	r orders as percentage of total other orders	0.19%	
Othe			
Other <u>Venue</u> 1. (r orders as percentage of total other orders <u>s Receiving Significant Percentage of Total Non-Directed Orders</u> Ditadel Securities LLC	55.15%	
Other <u>Venue</u> 1. (2. (r orders as percentage of total other orders <u>s Receiving Significant Percentage of Total Non-Directed Orders</u> Citadel Securities LLC G1 Execution Services, LLC	55.15% 18.84%	
Other Venue 1. (2. (3. \	r orders as percentage of total other orders <u>s Receiving Significant Percentage of Total Non-Directed Orders</u> Citadel Securities LLC G1 Execution Services, LLC /IRTU Americas LLC	55.15% 18.84% 17.67%	
Other Venue 1. (2. (3. \ 4. T	r orders as percentage of total other orders <u>s Receiving Significant Percentage of Total Non-Directed Orders</u> Citadel Securities LLC G1 Execution Services, LLC /IRTU Americas LLC Fwo Sigma Securities, LLC	55.15% 18.84% 17.67% 6.76%	
Other <u>Venue</u> 1. (2. (3. \ 4. T 5. (r orders as percentage of total other orders <u>s Receiving Significant Percentage of Total Non-Directed Orders</u> Citadel Securities LLC G1 Execution Services, LLC /IRTU Americas LLC Two Sigma Securities, LLC JBS Securities, LLC	55.15% 18.84% 17.67% 6.76% 0.89%	
Other <u>Venue</u> 1. (2. (3. \ 4. T 5. L 6. N	r orders as percentage of total other orders <u>s Receiving Significant Percentage of Total Non-Directed Orders</u> Citadel Securities LLC G1 Execution Services, LLC /IRTU Americas LLC Fwo Sigma Securities, LLC JBS Securities, LLC NYSE Arca	55.15% 18.84% 17.67% 6.76% 0.89% 0.20%	
Other Venue 1. (2. (3. \ 4. T 5. (6. M 7. N	r orders as percentage of total other orders <u>s Receiving Significant Percentage of Total Non-Directed Orders</u> Citadel Securities LLC G1 Execution Services, LLC /IRTU Americas LLC /IRTU Americas LLC Iwo Sigma Securities, LLC JBS Securities, LLC JPSE Arca NASDAQ Execution Services, LLC	55.15% 18.84% 17.67% 6.76% 0.89% 0.20% 0.20%	
Other Venue 1. (2. (3. \ 4. T 5. (6. M 7. M 8. (r orders as percentage of total other orders <u>s Receiving Significant Percentage of Total Non-Directed Orders</u> Citadel Securities LLC G1 Execution Services, LLC /IRTU Americas LLC /IRTU Americas LLC Iwo Sigma Securities, LLC JBS Securities, LLC JBS Securities, LLC NYSE Arca NASDAQ Execution Services, LLC Cboe EDGX U.S. Equities Exchange	55.15% 18.84% 17.67% 6.76% 0.89% 0.20% 0.20% 0.12%	
Other 1. (2. (3. \ 4. T 5. L 6. M 7. M 8. (9. (r orders as percentage of total other orders <u>s Receiving Significant Percentage of Total Non-Directed Orders</u> Citadel Securities LLC G1 Execution Services, LLC /IRTU Americas LLC /IRTU Americas LLC Iwo Sigma Securities, LLC JBS Securities, LLC JPSE Arca NASDAQ Execution Services, LLC	55.15% 18.84% 17.67% 6.76% 0.89% 0.20% 0.20%	
Other <u>Venue</u> 1. (2. (3. \ 4. T 5. (6. N 7. N 8. (9. (10. N	r orders as percentage of total other orders <u>s Receiving Significant Percentage of Total Non-Directed Orders</u> Citadel Securities LLC G1 Execution Services, LLC /IRTU Americas LLC /IRTU Americas LLC Iwo Sigma Securities, LLC JBS Securities, LLC JBS Securities, LLC NYSE Arca NASDAQ Execution Services, LLC Cboe EDGX U.S. Equities Exchange Cboe BZX U.S. Equities Exchange	55.15% 18.84% 17.67% 6.76% 0.89% 0.20% 0.20% 0.20% 0.12% 0.09%	
Other <u>Venue</u> 1. (2. (3. \ 4. T 5. (6. N 7. N 8. (9. (10. N	r orders as percentage of total other orders <u>s Receiving Significant Percentage of Total Non-Directed Orders</u> Citadel Securities LLC G1 Execution Services, LLC /IRTU Americas LLC Iwo Sigma Securities, LLC JBS Securities, LLC JBS Securities, LLC VYSE Arca NASDAQ Execution Services, LLC Ciboe EDGX U.S. Equities Exchange Ciboe BZX U.S. Equities Exchange NYSE American	55.15% 18.84% 17.67% 6.76% 0.89% 0.20% 0.20% 0.20% 0.12% 0.09%	
Other 1. (2. (3. \ 4. T 5. L 6. M 7. M 8. (9. (10. M Information	r orders as percentage of total other orders <u>s Receiving Significant Percentage of Total Non-Directed Orders</u> Citadel Securities LLC G1 Execution Services, LLC /IRTU Americas LLC Iwo Sigma Securities, LLC JBS Securities, LLC JBS Securities, LLC VYSE Arca NASDAQ Execution Services, LLC Cobe EDGX U.S. Equities Exchange Cobe BZX U.S. Equities Exchange NYSE American ation Concerning Significant Venues :	55.15% 18.84% 17.67% 6.76% 0.89% 0.20% 0.20% 0.20% 0.12% 0.09%	
Other 1. (2. (3. \ 4. T 5. L 6. M 7. M 8. (9. (10. M Information	r orders as percentage of total other orders <u>s Receiving Significant Percentage of Total Non-Directed Orders</u> Citadel Securities LLC G1 Execution Services, LLC /IRTU Americas LLC Iwo Sigma Securities, LLC JBS Securities, LLC JBS Securities, LLC VYSE Arca VASDAQ Execution Services, LLC Cboe EDGX U.S. Equities Exchange Cboe BZX U.S. Equities Exchange NYSE American ation Concerning Significant Venues : Citadel Securities LLC	55.15% 18.84% 17.67% 6.76% 0.89% 0.20% 0.20% 0.20% 0.12% 0.09%	
Other 1. (2. (3. \ 4. T 5. L 6. M 7. M 8. (9. (10. M Information	r orders as percentage of total other orders <u>s Receiving Significant Percentage of Total Non-Directed Orders</u> Citadel Securities LLC G1 Execution Services, LLC /IRTU Americas LLC Two Sigma Securities, LLC JBS Securities, LLC JBS Securities, LLC VYSE Arca VASDAQ Execution Services, LLC Cboe EDGX U.S. Equities Exchange Cboe BZX U.S. Equities Exchange VYSE American ation Concerning Significant Venues : Citadel Securities LLC Types of Orders Routed to Venue :	55.15% 18.84% 17.67% 6.76% 0.89% 0.20% 0.20% 0.12% 0.09% 0.03%	
Other 1. (2. (3. \ 4. T 5. L 6. M 7. M 8. (9. (10. M Information	r orders as percentage of total other orders <u>s Receiving Significant Percentage of Total Non-Directed Orders</u> Citadel Securities LLC G1 Execution Services, LLC /IRTU Americas LLC Two Sigma Securities, LLC JBS Securities, LLC JBS Securities, LLC VYSE Arca VASDAQ Execution Services, LLC Cboe EDGX U.S. Equities Exchange Cboe BZX U.S. Equities Exchange VYSE American ation Concerning Significant Venues : Citadel Securities LLC Types of Orders Routed to Venue : Market orders as percentage of total market orders	55.15% 18.84% 17.67% 6.76% 0.89% 0.20% 0.20% 0.12% 0.09% 0.03%	
Other 1. (2. (3. \ 4. T 5. L 6. M 7. M 8. (9. (10. M Information	r orders as percentage of total other orders <u>s Receiving Significant Percentage of Total Non-Directed Orders</u> Citadel Securities LLC G1 Execution Services, LLC /IRTU Americas LLC Two Sigma Securities, LLC JBS Securities, LLC JBS Securities, LLC VYSE Arca VASDAQ Execution Services, LLC Cobe EDGX U.S. Equities Exchange Cobe BZX U.S. Equities Exchange VYSE American ation Concerning Significant Venues : Citadel Securities LLC Types of Orders Routed to Venue : Market orders as percentage of total market orders Limit orders as percentage of total limit orders	55.15% 18.84% 17.67% 6.76% 0.89% 0.20% 0.20% 0.12% 0.09% 0.03% 55.52% 20.86%	
Other <u>Venue</u> 1. (2. (3. \ 4. T 5. \ 6. M 7. M 8. (9. (10. M 1.	r orders as percentage of total other orders <u>s Receiving Significant Percentage of Total Non-Directed Orders</u> Citadel Securities LLC G1 Execution Services, LLC //RTU Americas LLC Two Sigma Securities, LLC JBS Securities, LLC JBS Securities, LLC VYSE Arca VASDAQ Execution Services, LLC Cobe EDGX U.S. Equities Exchange Cobe BZX U.S. Equities Exchange VYSE American ation Concerning Significant Venues : Citadel Securities LLC Types of Orders Routed to Venue : Market orders as percentage of total market orders Limit orders as percentage of total limit orders Other orders as percentage of total other orders G1 Execution Services, LLC Types of Orders Routed to Venue :	55.15% 18.84% 17.67% 6.76% 0.89% 0.20% 0.20% 0.12% 0.09% 0.03% 55.52% 20.86% 69.57%	
Other <u>Venue</u> 1. (2. (3. \ 4. T 5. \ 6. M 7. M 8. (9. (10. M 1.	r orders as percentage of total other orders <u>s Receiving Significant Percentage of Total Non-Directed Orders</u> : Citadel Securities LLC G1 Execution Services, LLC //RTU Americas LLC //Wo Sigma Securities, LLC JBS Securities, LLC JBS Securities, LLC VYSE Arca VASDAQ Execution Services, LLC Cobe EDGX U.S. Equities Exchange Cobe BZX U.S. Equities Exchange VYSE American ation Concerning Significant Venues : Citadel Securities LLC Types of Orders Routed to Venue : Market orders as percentage of total market orders Limit orders as percentage of total limit orders Other orders as percentage of total other orders G1 Execution Services, LLC Types of Orders Routed to Venue : Market orders as percentage of total other orders	55.15% 18.84% 17.67% 6.76% 0.89% 0.20% 0.12% 0.09% 0.03% 55.52% 20.86% 69.57%	
Other <u>Venue</u> 1. (2. (3. \ 4. T 5. \ 6. M 7. M 8. (9. (10. M 1.	r orders as percentage of total other orders <u>s Receiving Significant Percentage of Total Non-Directed Orders</u> Citadel Securities LLC G1 Execution Services, LLC //RTU Americas LLC Two Sigma Securities, LLC JBS Securities, LLC JBS Securities, LLC VYSE Arca VASDAQ Execution Services, LLC Cobe EDGX U.S. Equities Exchange Cobe BZX U.S. Equities Exchange VYSE American ation Concerning Significant Venues : Citadel Securities LLC Types of Orders Routed to Venue : Market orders as percentage of total market orders Limit orders as percentage of total limit orders Other orders as percentage of total other orders G1 Execution Services, LLC Types of Orders Routed to Venue :	55.15% 18.84% 17.67% 6.76% 0.89% 0.20% 0.20% 0.12% 0.09% 0.03% 55.52% 20.86% 69.57%	
Other Venue 1. (2. (3. \ 4. 1 5. (5. (7. N 8. (9. (10. N 1. 2.	r orders as percentage of total other orders <u>s Receiving Significant Percentage of Total Non-Directed Orders</u> : Citadel Securities LLC G1 Execution Services, LLC //RTU Americas LLC //Wo Sigma Securities, LLC JBS Securities, LLC JBS Securities, LLC VYSE Arca VASDAQ Execution Services, LLC Cobe EDGX U.S. Equities Exchange Cobe BZX U.S. Equities Exchange VYSE American ation Concerning Significant Venues : Citadel Securities LLC Types of Orders Routed to Venue : Market orders as percentage of total market orders Limit orders as percentage of total limit orders Other orders Routed to Venue : Market orders as percentage of total other orders G1 Execution Services, LLC Types of Orders Routed to Venue : Market orders as percentage of total market orders G1 Execution Services, LLC	55.15% 18.84% 17.67% 6.76% 0.89% 0.20% 0.12% 0.09% 0.03% 55.52% 20.86% 69.57%	
Other Venue 1. (2. (3. \ 4. 1 5. (5. (7. N 8. (9. (10. N 1. 2.	r orders as percentage of total other orders <u>s Receiving Significant Percentage of Total Non-Directed Orders</u> : Citadel Securities LLC 31 Execution Services, LLC /IRTU Americas LLC Two Sigma Securities, LLC JBS Securities, LLC JBS Securities, LLC VYSE Arca VASDAQ Execution Services, LLC Cboe EDGX U.S. Equities Exchange Cboe BZX U.S. Equities Exchange VYSE American ation Concerning Significant Venues : Citadel Securities LLC Types of Orders Routed to Venue : Market orders as percentage of total market orders Limit orders as percentage of total limit orders Other orders as percentage of total other orders End Execution Services, LLC Types of Orders Routed to Venue : Market orders as percentage of total other orders G1 Execution Services, LLC Types of Orders Routed to Venue : Market orders as percentage of total market orders Limit orders as percentage of total other orders VIPPE of Orders Routed to Venue : Market orders as percentage of total other orders Limit orders as percentage of total market orders Limit orders as percentage of total market orders Limit orders as percentage of total market orders Limit orders as percentage of total other orders VIRTU Americas LLC	55.15% 18.84% 17.67% 6.76% 0.89% 0.20% 0.12% 0.09% 0.03% 55.52% 20.86% 69.57%	
Other Venue 1. (2. (3. \ 4. 1 5. (5. (7. N 8. (9. (10. N 1. 2.	r orders as percentage of total other orders <u>s Receiving Significant Percentage of Total Non-Directed Orders</u> : Citadel Securities LLC G1 Execution Services, LLC //IRTU Americas LLC Two Sigma Securities, LLC JBS Securities, LLC JBS Securities, LLC VYSE Arca VASDAQ Execution Services, LLC Cboe EDGX U.S. Equities Exchange Cboe BZX U.S. Equities Exchange VYSE American ation Concerning Significant Venues : Citadel Securities LLC Types of Orders Routed to Venue : Market orders as percentage of total market orders Limit orders as percentage of total limit orders Other orders as percentage of total other orders G1 Execution Services, LLC Types of Orders Routed to Venue : Market orders as percentage of total market orders Limit orders as percentage of total market orders UNERCUTON Services, LLC Types of Orders Routed to Venue : Market orders as percentage of total market orders Limit orders as percentage of total market orders VIRTU Americas LLC Types of Orders Routed to Venue : Market orders as percentage of total other orders VIRTU Americas LLC Types of Orders Routed to Venue :	55.15% 18.84% 17.67% 6.76% 0.89% 0.20% 0.12% 0.09% 0.03% 55.52% 20.86% 69.57%	
Other Venue 1. (2. (3. \ 4. 1 5. (5. (7. N 8. (9. (10. N 1. 2.	r orders as percentage of total other orders <u>s Receiving Significant Percentage of Total Non-Directed Orders</u> : Citadel Securities LLC 31 Execution Services, LLC /IRTU Americas LLC Two Sigma Securities, LLC JBS Securities, LLC JBS Securities, LLC VYSE Arca VASDAQ Execution Services, LLC Cboe EDGX U.S. Equities Exchange Cboe BZX U.S. Equities Exchange VYSE American ation Concerning Significant Venues : Citadel Securities LLC Types of Orders Routed to Venue : Market orders as percentage of total market orders Limit orders as percentage of total limit orders Other orders as percentage of total other orders End Execution Services, LLC Types of Orders Routed to Venue : Market orders as percentage of total other orders G1 Execution Services, LLC Types of Orders Routed to Venue : Market orders as percentage of total market orders Limit orders as percentage of total other orders VIPPE of Orders Routed to Venue : Market orders as percentage of total other orders Limit orders as percentage of total market orders Limit orders as percentage of total market orders Limit orders as percentage of total market orders Limit orders as percentage of total other orders VIRTU Americas LLC	55.15% 18.84% 17.67% 6.76% 0.89% 0.20% 0.12% 0.09% 0.03% 55.52% 20.86% 69.57% 19.02% 5.76% 4.35%	

4. Two Sigma Securities, LLC

Types of Orders Routed to Venue : Market orders as percentage of total market orders Limit orders as percentage of total limit orders Other orders as percentage of total other orders	6.81% 3.60% 0.00%
UBS Securities, LLC	
Types of Orders Routed to Venue : Market orders as percentage of total market orders Limit orders as percentage of total limit orders Other orders as percentage of total other orders	0.90% 0.00% 0.00%
NYSE Arca	
Types of Orders Routed to Venue : Market orders as percentage of total market orders Limit orders as percentage of total limit orders Other orders as percentage of total other orders	0.00% 17.27% 0.00%
NASDAQ Execution Services, LLC	
Types of Orders Routed to Venue : Market orders as percentage of total market orders Limit orders as percentage of total limit orders Other orders as percentage of total other orders	0.00% 17.27% 0.00%
Cboe EDGX U.S. Equities Exchange	
Types of Orders Routed to Venue : Market orders as percentage of total market orders Limit orders as percentage of total limit orders Other orders as percentage of total other orders	0.00% 10.79% 0.00%
Cboe BZX U.S. Equities Exchange	
Types of Orders Routed to Venue : Market orders as percentage of total market orders Limit orders as percentage of total limit orders Other orders as percentage of total other orders	0.00% 7.91% 0.00%
NYSE American	
Types of Orders Routed to Venue : Market orders as percentage of total market orders Limit orders as percentage of total limit orders Other orders as percentage of total other orders	0.00% 2.88% 0.00%
<u>Ex</u>	change - Listed Options
hary Statistics: directed orders as percentage of total customer orders et orders as percentage of total market orders orders as percentage of total limit orders r orders as percentage of total other orders	100.00% 61.35% 38.65% 0.00%
es Receiving Significant Percentage of Total Non-Directed	Orders:
Cboe Options Exchange NASDAQ PHLX Options NASDAQ Options Market BOX Option Exchange The MIAX Options Exchange ISE Gemini Options Exchange NYSE American Options Cboe BZX Options Exchange, Inc. NYSE Arca Options Cboe EDGX Option Exchange	39.84% 16.93% 8.37% 7.97% 6.18% 5.18% 3.78% 3.19% 2.59% 1.99%
	Market orders as percentage of total market orders Limit orders as percentage of total limit orders Other orders as percentage of total other orders UBS Securities, LLC Types of Orders Routed to Venue : Market orders as percentage of total market orders Limit orders as percentage of total limit orders Other orders as percentage of total other orders NYSE Arca Types of Orders Routed to Venue : Market orders as percentage of total market orders Limit orders as percentage of total market orders Cher orders as percentage of total market orders Other orders as percentage of total market orders Other orders as percentage of total market orders Cher orders as percentage of total market orders Other orders as percentage of total market orders Cher orders as percentage of total market orders Cher orders as percentage of total market orders Other orders as percentage of total market orders Choe EDGX U.S. Equities Exchange Types of Orders Routed to Venue : Market orders as percentage of total market orders Cher orders as percentage of total market orders Cher orders as percentage of total market orders Limit orders as percentage of total market orders Cher orders as percentage of total market orders Cher orders as percentage of total market orders Cher orders as percentage of total market orders Limit orders as percentage of total market orders Cher orders as percentage of total market orders orders as percentage of total market orders rorders as percentage of total market orders rorders as percentage of total market orders es Receiving Significant Percentage of Total Non-Directed Choe Options Exchange NASDAQ Options Market BOX Options Exchange NYSE Area Options Exchange NYSE Area Options

Information Concerning Significant Venues :

1.	Cboe Options Exchange	
	Types of Orders Routed to Venue : Market orders as percentage of total market orders Limit orders as percentage of total limit orders Other orders as percentage of total other orders	43.83% 33.51% 0.00%
2.	NASDAQ PHLX Options	
	Types of Orders Routed to Venue : Market orders as percentage of total market orders Limit orders as percentage of total limit orders Other orders as percentage of total other orders	20.78% 10.82% 0.00%
3.	NASDAQ Options Market	
	Types of Orders Routed to Venue : Market orders as percentage of total market orders Limit orders as percentage of total limit orders Other orders as percentage of total other orders	0.97% 20.10% 0.00%
4.	BOX Option Exchange	
	Types of Orders Routed to Venue : Market orders as percentage of total market orders Limit orders as percentage of total limit orders Other orders as percentage of total other orders	10.39% 4.12% 0.00%
5.	The MIAX Options Exchange	
	Types of Orders Routed to Venue : Market orders as percentage of total market orders Limit orders as percentage of total limit orders Other orders as percentage of total other orders	6.17% 6.19% 0.00%
6.	ISE Gemini Options Exchange	
	Types of Orders Routed to Venue : Market orders as percentage of total market orders Limit orders as percentage of total limit orders Other orders as percentage of total other orders	3.25% 8.25% 0.00%
7.	NYSE American Options	
	Types of Orders Routed to Venue : Market orders as percentage of total market orders Limit orders as percentage of total limit orders Other orders as percentage of total other orders	5.52% 1.03% 0.00%
8.	Cboe BZX Options Exchange, Inc.	
	Types of Orders Routed to Venue : Market orders as percentage of total market orders Limit orders as percentage of total limit orders Other orders as percentage of total other orders	1.30% 6.19% 0.00%
9.	NYSE Arca Options	
	Types of Orders Routed to Venue : Market orders as percentage of total market orders Limit orders as percentage of total limit orders Other orders as percentage of total other orders	1.62% 4.12% 0.00%
10.	Cboe EDGX Option Exchange	
	Types of Orders Routed to Venue : Market orders as percentage of total market orders Limit orders as percentage of total limit orders Other orders as percentage of total other orders	0.97% 3.61% 0.00%