

Order Routing

Report Period: 3rd QTR, 2017

Securities Listed on NYSE

Summary Statistics: (As percentage of total customer orders and non-directed orders):

Order Type	Percentage
Non-directed	100%
Market orders	0%
Limit orders	0%
Other orders	100%

Venues Receiving Significant Percentage of Total Non-Directed Orders:

Venue	Percentage
Knight Execution & Clearing Services	26.70%
FIS Brokerage & Securities Services, LLC	19.51%
Clearpool Execution Services, LLC	15.03%
UBS Securities, LLC	10.63%
NASDAQ	5.33%
Bank Of America Merrill Lynch	5.00%

Information Concerning Significant Venues

Types of Orders Routed to Venue:

		Market Orders	Limit Orders	Other Orders	Material Aspects of Relationship w/ this Venue
1	Knight Execution & Clearing Services	0.00%	0.00%	100.00%	<u>No Material</u>
2	FIS Brokerage & Securities Services, LLC	0.00%	0.00%	100.00%	<u>No Material</u>
3	Clearpool Execution Services, LLC	0.00%	0.00%	100.00%	<u>No Material</u>
4	UBS Securities, LLC	0.00%	0.00%	100.00%	<u>No Material</u>
5	NASDAQ	0.00%	0.00%	100.00%	<u>NASDAQ Material</u>
6	Bank Of America Merrill Lynch	0.00%	0.00%	100.00%	<u>No Material</u>

Securities Listed on NASDAQ

Summary Statistics: (As percentage of total customer orders and non-directed orders):

Order Type	Percentage
Non-directed	100%
Market orders	0%
Limit orders	0%
Other orders	100%

Venues Receiving Significant Percentage of Total Non-Directed Orders:

Venue	Percentage
Knight Execution & Clearing Services	37.30%
Clearpool Execution Services, LLC	18.53%
FIS Brokerage & Securities Services, LLC	12.98%
Credit Suisse First Boston Corporation	8.06%
UBS Securities, LLC	7.79%

Information Concerning Significant Venues

Types of Orders Routed to Venue:

		Market Orders	Limit Orders	Other Orders	Material Aspects of Relationship w/ this Venue
1	Knight Execution & Clearing Services	0.00%	0.00%	100.00%	<u>No Material</u>
2	Clearpool Execution Services, LLC	0.00%	0.00%	100.00%	<u>No Material</u>
3	FIS Brokerage & Securities Services, LLC	0.00%	0.00%	100.00%	<u>No Material</u>
4	Credit Suisse First Boston Corporation	0.00%	0.00%	100.00%	<u>No Material</u>
5	UBS Securities, LLC	0.00%	0.00%	100.00%	<u>No Material</u>

Securities Listed on AMEX/Other Exchanges

Summary Statistics: (As percentage of total customer orders and non-directed orders):

Order Type	Percentage
Non-directed	100%
Market orders	0%
Limit orders	0%
Other orders	100%

Venues Receiving Significant Percentage of Total Non-Directed Orders:

Venue	Percentage
Knight Execution & Clearing Services	39.41%
Clearpool Execution Services, LLC	15.11%
Credit Suisse First Boston Corporation	11.69%
FIS Brokerage & Securities Services, LLC	8.46%
UBS Securities, LLC	6.86%
NASDAQ	6.18%
Bank Of America Merrill Lynch	5.41%

Information Concerning Significant Venues

Types of Orders Routed to Venue:

		Market Orders	Limit Orders	Other Orders	Material Aspects of Relationship w/ this Venue
1	Knight Execution & Clearing Services	0.00%	0.00%	100.00%	<u>No Material</u>
2	Clearpool Execution Services, LLC	0.00%	0.00%	100.00%	<u>No Material</u>
3	Credit Suisse First Boston Corporation	0.00%	0.00%	100.00%	<u>No Material</u>
4	FIS Brokerage & Securities Services, LLC	0.00%	0.00%	100.00%	<u>No Material</u>
5	UBS Securities, LLC	0.00%	0.00%	100.00%	<u>No Material</u>
6	NASDAQ	0.00%	0.00%	100.00%	<u>NASDAQ Material</u>
7	Bank Of America Merrill Lynch	0.00%	0.00%	100.00%	<u>No Material</u>

Exchange-Listed Options

Summary Statistics: (As percentage of total customer orders and non-directed orders):

Order Type	Percentage
Non-directed	100%
Market orders	0%
Limit orders	0%
Other orders	100%

Venues Receiving Significant Percentage of Total Non-Directed Orders:

Venue	Percentage
PCX ((P) Pacific Exchange)	46.16%
DASH ((D) Dash Financial Options)	41.96%

Information Concerning Significant Venues

Types of Orders Routed to Venue:

		Market Orders	Limit Orders	Other Orders	Material Aspects of Relationship w/ this Venue
1	PCX ((P) Pacific Exchange)	0.00%	0.00%	100.00%	<u>No Material</u>
2	DASH ((D) Dash Financial Options)	0.00%	0.00%	100.00%	<u>No Material</u>

Upon request, JonesTrading will provide to customers information on the order routing of their orders pursuant to SEC Rule 606. Customers may submit a request for a written copy of the report by emailing compliance@jonestrading.com"

Customers may request the identity of the venue where specific orders were routed for execution for any order in the previous six (6) months by sending a written request to:

JonesTrading Institutional Services
Attn: Compliance Department
32133 Lindero Canyon Road
Suite 208
Westlake Village, CA 91361

Please include the security and trade date with your request.