

Class of Instrument		Equities - Shares & Depositary Receipts Tick size liquidity bands 5 and 6 (from 2000 trades per day)			
Notification if <1 average trade per business day in the previous year (Y/N)		N			
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of Volume Traded as Percentage of Total in that Class	Proportion of Orders Executed as Percentage of Total in that Class	Percentage of Passive Orders	Percentage of Aggressive Orders	Percentage of Directed Orders
JP Morgan Securities	10.1%	12.3%	0.0%	0.0%	0.0%
LEI: K6QOW1PS1L1O4IQL9C32					
Jefferies International Limited	10.0%	7.7%	0.0%	0.0%	0.0%
LEI: S5THZMDUJCTQZBTRVI98					
UBS Securities LLC	9.1%	9.6%	0.0%	0.0%	0.0%
LEI: T6FIZBDPKLYJKFCRVK44					
Credit Suisse International	8.5%	5.0%	0.0%	0.0%	0.0%
LEI: E58DKGMJYYJLN8C3868					
BOFA Securities Inc.	8.3%	7.5%	0.0%	0.0%	0.0%
LEI: GGDZP1UYGU9STUHRDP48					

Definitions:

"Passive Order"

Means an order entered into the order book that provided liquidity

"Aggressive Order"

An order entered into the order book that took liquidity

"Directed Order"

An order where a specific execution venue was specified by the client prior to the execution of the order

"Volume Traded"

Investment Association: "By volume we understand the regulation to mean market value."

"Orders Executed"

A deal in a specific stock with a specific broker; number of orders

Class of Instrument		Equities - Shares & Depositary Receipts Tick size liquidity bands 3 and 4 (from 80 to 1999 trades per day)			
Notification if <1 average trade per business day in the previous year (Y/N)		N			
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of Volume Traded as Percentage of Total in that Class	Proportion of Orders Executed as Percentage of Total in that Class	Percentage of Passive Orders	Percentage of Aggressive Orders	Percentage of Directed Orders
Liquidnet, Inc	24.9%	46.9%	0.0%	0.0%	0.0%
LEI: 213800HSKBBO1GCVRG79					
Morgan Stanley & Co. LLC	9.5%	16.7%	0.0%	0.0%	0.0%
LEI: 9R7GPTS07KV3UQJZQ078					
UBS Securities LLC	8.0%	13.2%	0.0%	0.0%	0.0%
LEI: T6FIZBDPKLYJKFCRVK44					
JP Morgan Securities	7.4%	14.9%	0.0%	0.0%	0.0%
LEI: K6Q0W1PS1L1O4IQL9C32					
BOFA Securities Inc.	6.3%	8.7%	0.0%	0.0%	0.0%
LEI: GGDZP1UYGU9STUHRDP48					

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"Orders Executed"

A deal in a specific stock with a specific broker; number of orders

Class of Instrument		Equities - Shares & Depositary Receipts Tick size liquidity bands 1 and 2 (from 0 to 79 trades per day)			
Notification if <1 average trade per business day in the previous year (Y/N)		N			
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of Volume Traded as Percentage of Total in that Class	Proportion of Orders Executed as Percentage of Total in that Class	Percentage of Passive Orders	Percentage of Aggressive Orders	Percentage of Directed Orders
BOFA Securities Inc.	22.8%	9.0%	0.0%	0.0%	0.0%
LEI: GGDZP1UYGU9STUHRDP48					
Liquidnet, Inc	15.9%	18.5%	0.0%	0.0%	0.0%
LEI: 213800HSKBBO1GCVRG79					
Goldman Sachs International	15.5%	25.3%	0.0%	0.0%	0.0%
LEI: W22LROWP2IHZNBB6K528					
UBS Securities LLC	14.9%	11.0%	0.0%	0.0%	0.0%
LEI: T6FIZBDPKLYJKFCRVK44					
Morgan Stanley & Co. LLC	8.0%	13.2%	0.0%	0.0%	0.0%
LEI: 9R7GPTS07KV3UQJZQ078					

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"Orders Executed"

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Class of Instrument		Other			
Notification if <1 average trade per business day in the previous year (Y/N)		N			
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of Volume Traded as Percentage of Total in that Class	Proportion of Orders Executed as Percentage of Total in that Class	Percentage of Passive Orders	Percentage of Aggressive Orders	Percentage of Directed Orders
Goldman Sachs International	22.8%	20.0%	0.0%	0.0%	0.0%
LEI: W22LROWP2IHZNBB6K528					
Liquidnet, Inc	17.3%	16.0%	0.0%	0.0%	0.0%
LEI: 213800HSKBBO1GCVRG79					
UBS Securities LLC	11.3%	10.7%	0.0%	0.0%	0.0%
LEI: T6FIZBDPKLYJKFCRVK44					
BTIG Limited	11.2%	10.2%	0.0%	0.0%	0.0%
LEI: 213800YZXS7U4QZP6441					
Morgan Stanley & Co. LLC	11.0%	10.9%	0.0%	0.0%	0.0%
LEI: 9R7GPTS07KV3UQJZQ078					

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