

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
Morgan Stanley & Co. LLC	14.6%	16.7%	0.0%	0.0%	0.0%
LEI: 9R7GPTSO7KV3UQJZQ078					
Merrill Lynch International	12.0%	17.6%	0.0%	0.0%	0.0%
LEI: GGDZP1UYGU9STUHRDP48					
Goldman Sachs International	10.6%	6.2%	0.0%	0.0%	0.0%
LEI: W22LROWP2IHZNBB6K528					
ICBC Standard Bank PLC	8.3%	9.9%	0.0%	0.0%	0.0%
LEI: F01VVKN4DRF2NWKQGQ283					
Citigroup Global Markets Limited	8.1%	5.8%	0.0%	0.0%	0.0%
LEI: XKZZ2JZF41MRHTR1V493					

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	27.9%	56.0%	0.0%	0.0%	0.0%
LEI: 213800HSKBBO1GCVRG79					
ITG Inc	7.3%	28.8%	0.0%	0.0%	0.0%
LEI: 549300S41SMIODVIT266					
BTIG Limited	6.3%	9.4%	0.0%	0.0%	0.0%
LEI: 213800YZXS7U4QZP6441					
UBS Securities LLC	5.8%	17.1%	0.0%	0.0%	0.0%
LEI: T6FIZBDPKLYJKFCRVK44					
Exane Inc	4.0%	4.7%	0.0%	0.0%	0.0%
LEI: 6SDWK6FV8H98XAGSYS75					

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"Volume Traded"

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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 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
Credit Suisse International	10.9%	13.2%	0.0%	0.0%	0.0%
LEI: E58DKGMJYYJLN8C3868					
Liquidnet, Inc	9.7%	33.6%	0.0%	0.0%	0.0%
LEI: 213800HSKBBO1GCVRG79					
UBS Securities LLC	8.0%	13.0%	0.0%	0.0%	0.0%
LEI: T6FIZBDPKLYJKFCRVK44					
Merrill Lynch International	7.7%	8.3%	0.0%	0.0%	0.0%
LEI: GGDZP1UYGU9STUHRDP48					
Jefferies International Limited	6.7%	8.9%	0.0%	0.0%	0.0%
LEI: S5THZMDUJCTQZBTRVI98					

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Class of Instrument		Exchange traded products (Exchange traded funds exchange traded notes and exchange traded commodities)			
Notification if <1 average trade per business day in the previous year (Y/N)		Y			
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
UBS Securities LLC	100.0%	100.0%	0.0%	0.0%	0.0%
LEI: T6FIZBDPKLYJKFCRVK44					
<i>Name</i>	0.0%	0.0%	0.0%	0.0%	0.0%
LEI:					
<i>Name</i>	0.0%	0.0%	0.0%	0.0%	0.0%
LEI:					
<i>Name</i>	0.0%	0.0%	0.0%	0.0%	0.0%
LEI:					
<i>Name</i>	0.0%	0.0%	0.0%	0.0%	0.0%
LEI:					

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- "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		Securitized Derivatives			
Notification if <1 average trade per business day in the previous year (Y/N)		Y			
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
BTIG Limited	99.5%	96.6%	0.0%	0.0%	0.0%
LEI: 213800YZXS7U4QZP6441					
Morgan Stanley & Co. LLC	0.5%	3.4%	0.0%	0.0%	0.0%
LEI: 9R7GPTSO7KV3UQJZQ078					

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Class of Instrument		Other			
Notification if <1 average trade per business day in the previous year (Y/N)		Y			
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
Carnegie Investment Bank AB	19.3%	24.9%	0.0%	0.0%	0.0%
LEI: 529900BR5NZNQZEVQ417					
Financial Brokerage Group	11.0%	5.2%	0.0%	0.0%	0.0%
LEI: 558600U9YMGSR4KAHP73					
Merrill Lynch International	8.0%	5.6%	0.0%	0.0%	0.0%
LEI: GGDZP1UYGU9STUHRDP48					
Liquidnet, Inc	7.9%	21.2%	0.0%	0.0%	0.0%
LEI: 213800HSKBBO1GCVRG79					
Jefferies International Limited	7.1%	16.3%	0.0%	0.0%	0.0%
LEI: S5THZMDUJCTQZBTRVI98					

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