

Class of Instrument	Bond				
Notification if <1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of direct orders
Bank of America Merrill Lynch International LTD (EYKN6V0ZCB8VD9IULB80)	32.49%	7.30%	N/A	N/A	N/A
Citigroup Global Markets LTD (XKZZ2JZF41MRHTR1V493)	23.72%	10.22%	N/A	N/A	N/A
Goldman Sachs International (UBSW22LROWP2IHZNBB6K528)	14.45%	4.38%	N/A	N/A	N/A
SC Lowy Asset Management (254900QF4TEKQYQAYH56)	5.36%	2.92%	N/A	N/A	N/A
Barclays Capital Securities LTD (K9WDOH4D2PYBSLSOB484)	3.78%	19.71%	N/A	N/A	N/A

Class of Instrument	Equity				
Notification if <1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of direct orders
Citigroup Global Markets LTD (XKZZ2JZF41MRHTR1V493)	23.42%	7.22%	N/A	N/A	N/A
Morgan Stanley & Co. International PLC (4PQUHN3JPFQFNF3BB653)	18.42%	25.77%	N/A	N/A	N/A
Barclays Capital Securities LTD (K9WDOH4D2PYBSLSOB484)	15.85%	11.34%	N/A	N/A	N/A
Deutsche Bank AG (7LTWFZYICNSX8D621K86)	11.71%	11.34%	N/A	N/A	N/A
JP Morgan Securities PLC (K6Q0W1PS1L1O4IQL9C32)	10.84%	6.19%	N/A	N/A	N/A

Class of Instrument	Contract for Difference				
Notification if <1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of direct orders
Morgan Stanley & Co. International PLC (4PQUHN3JPFQFN3BB653)	23.82%	27.07%	N/A	N/A	N/A
Citigroup Global Markets LTD (XKZZ2JZF41MRHTR1V493)	20.34%	18.80%	N/A	N/A	N/A
BNP Paribas (ROMUWSFPU8MPRO8K5P83)	14.33%	0.75%	N/A	N/A	N/A
UBS Limited (REYPIEJN7XZHSUI0N355)	13.70%	10.53%	N/A	N/A	N/A
Credit Suisse Securities (Europe) Limited (DL6FFRRLF74S01HE2M14)	6.75%	1.50%	N/A	N/A	N/A

Class of Instrument	Equity Derivative Swaps and Other Equity Derivatives				
Notification if <1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of direct orders
Bank of America Merrill Lynch International LTD (EYKN6V0ZCB8VD9IULB80)	51.57%	33.96%	N/A	N/A	N/A
JP Morgan Securities PLC (K6Q0W1PS1L1O4IQL9C32)	17.60%	32.08%	N/A	N/A	N/A
Goldman Sachs International (UBSW22LROWP2IHZNBB6K528)	13.60%	13.21%	N/A	N/A	N/A
Jeffries International LTD (S5THZMDUJCTQZBTRVI98)	7.94%	5.66%	N/A	N/A	N/A
Goodbody Stockbroker Nominees LTD (635400DNPHTL1M6LKY67)	3.55%	7.55%	N/A	N/A	N/A

RTS-28
2018

Class of Instrument	Other Instruments				
Notification if <1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of direct orders
Deutsche Bank AG (7LWTFZYICNSX8D621K86)	42.28%	36.78%	N/A	N/A	N/A
Bank of America Merrill Lynch International LTD (EYKN6V0ZCB8VD9IULB80)	14.64%	20.69%	N/A	N/A	N/A
Goldman Sachs International (UBSW22LROWP2IHZNBB6K528)	11.69%	3.45%	N/A	N/A	N/A
JP Morgan Securities PLC (K6Q0W1PS1L1O4IQL9C32)	8.19%	11.49%	N/A	N/A	N/A
Credit Suisse Securities (Europe) Limited (DL6FFRRLF74S01HE2M14)	7.33%	3.45%	N/A	N/A	N/A