

Class of Instrument	Equities - Shares and Depositary Receipts: Tick Size liquidity bands 1 and 2				
Notification if <1 average trade per business day in the previous year	N				
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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Instinet Europe Limited - 213800MXAKR2LA1VBM44	15.93	17.06	N/A	100	0
RBC Europe Limited - TXDSU46SXBWIGJ8G8E98	12.19	4.62	N/A	100	0
Autonomous Research LLP - 213800LBM6PT85IGM996	11.15	13.65	N/A	100	0
Robert W. Baird & Co. Incorporated - 549300772UJHRD6LO53	5.54	1.07	N/A	100	0
RAYMOND JAMES FINANCIAL INTERNATIONAL LIMITED - 213800GH3F4OW1COOV72	5.00	1.18	N/A	100	0
Class of Instrument	Equities - Shares and Depositary Receipts: Tick Size liquidity bands 3 and 4				
Notification if <1 average trade per business day in the previous year	N				
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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Autonomous Research LLP - 213800LBM6PT85IGM996	10.26	16.90	N/A	100	0
Liquidnet Europe Limited - 213800ZIRB79BE5XQM68	8.40	4.61	N/A	100	0
Instinet Europe Limited - 213800MXAKR2LA1VBM44	7.98	8.10	N/A	100	0
PEEL HUNT LLP - 5493007DWN0R4YBM4C84	6.76	6.34	N/A	100	0
NUMIS SECURITIES LIMITED - 213800P3F4RT97WDSX47	6.69	4.67	N/A	100	0
Class of Instrument	Equities - Shares and Depositary Receipts: Tick Size liquidity bands 5 and 6				
Notification if <1 average trade per business day in the previous year	N				
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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Autonomous Research LLP - 213800LBM6PT85IGM996	43.15	47.80	N/A	100	0
REDBURN (EUROPE) LIMITED - 213800PKEJQZQXQCOJ04	15.63	18.10	N/A	100	0
Instinet Europe Limited - 213800MXAKR2LA1VBM44	6.76	9.40	N/A	100	0
Merrill Lynch International - GGDZP1UYGU9STUHRDP48	5.88	1.30	N/A	100	0
Liquidnet Europe Limited - 213800ZIRB79BE5XQM68	3.59	2.63	N/A	100	0

Class of Instrument		Other Instruments				
Notification if <1 average trade per business day in the previous year	N					
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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
Instinet Europe Limited - 213800MXAKR2LA1VBM44	76.75	78.58	N/A	100	0	
Autonomous Research LLP - 213800LBM6PT85IGM996	6.53	3.54	N/A	100	0	
LIBERUM CAPITAL LIMITED - 213800U6KUF87S1KCC03	3.81	0.56	N/A	100	0	
REDBURN (EUROPE) LIMITED - 213800PKEJQZQXQCOJ04	3.71	1.12	N/A	100	0	
INTL FCStone Financial Inc - 549300LNKU6K5TJCRG93	2.93	1.12	N/A	100	0	
Class of Instrument		Debt Instruments: Bonds				
Notification if <1 average trade per business day in the previous year	N					
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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
MarketAxess Capital Limited - 529900CTXON8S5AOCB70	49.92	53.55	N/A	100	0	
Bloomberg Trading Facility Limited - 549300ROEJDDAXM6LU05	26.56	19.91	N/A	100	0	
Merrill Lynch International - GGDZP1UYGU9STUHRDP48	7.14	4.63	N/A	100	0	
Liquidnet Euorpe Limited - 213800ZIRB79BE5XQM68	4.09	4.01	N/A	100	0	
Morgan Stanley & Co. International PLC - 4PQUHN3JPFQFNF3BB653	3.98	2.78	N/A	100	0	
Class of Instrument		Currency derivatives: (Swaps - Forwards and other currency 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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
Bloomberg Trading Facility Limited - 549300ROEJDDAXM6LU05	99.997	95.50	N/A	100	0	
BNY Mellon Capital Markets EMEA Limited - 213800O5FBGOWU89LN14	0.003	4.50	N/A	100	0	
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					
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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
Flow trader B.V. - 549300CLJ19XDH12XV51	98.89	75.00	N/A	100	0	
Susquehanna International Securities Limited - 635400IAV22ZOU1NFS89	1.04	6.25	N/A	100	0	
Instinet Europe Limited - 213800MXAKR2LA1VBM44	0.05	6.25	N/A	100	0	
Virtu Financial Ireland Limited - 549300XG5LFGN1IGYC71	0.02	12.50	N/A	100	0	