

Class of Instrument	Equities - Shares & Depositary Receipts (T12)				
Notification if <1 average trade per business day in the previous year	No				
Top five execution venues ranked in t erms of trading volumes (descending o rder)	Proportion of volume trad ed as a percentage of tot al in that class	Proportion of orders exec uted as percentage of tot al in that class	Percentage of pass ive orders	Percentage of aggres sive orders	Percentage of dire cted orders
PEEL HUNT LLP 5493007DWN0R4YBM4C84	32.29 %	27.15 %	0.00 %	0.00 %	0.00 %
WINTERFLOOD SECURITIES LIMITED 8BRUP6 V1DX3PIG2R0745	29.92 %	38.00 %	0.00 %	0.00 %	0.00 %
NPLUS1 SINGER CAPITAL MARKETS LIMITED 213800ITO7QMNQ9SFG53	9.30 %	11.87 %	0.00 %	0.00 %	0.00 %
NUMIS SECURITIES LIMITED 213800P3F4RT 97WDSX47	7.51 %	2.78 %	0.00 %	0.00 %	0.00 %
Joh. Berenberg, Gossler & Co. KG 5299 00UC2OD7II24Z667	5.65 %	1.51 %	0.00 %	0.00 %	0.00 %
Interaction	Execution				
Report provided by LiquidMetrix					



Class of Instrument	Equities - Shares & Depositary Receipts (T34) No				
Notification if <1 average trade per business day in the previous year					
Top five execution venues ranked in t erms of trading volumes (descending o rder)	Proportion of volume trad ed as a percentage of tot al in that class	Proportion of orders exec uted as percentage of tot al in that class	Percentage of pass ive orders	Percentage of aggres sive orders	Percentage of dire cted orders
PEEL HUNT LLP 5493007DWN0R4YBM4C84	35.22 %	42.19 %	0.00 %	0.00 %	0.00 %
WINTERFLOOD SECURITIES LIMITED 8BRUP6 V1DX3PIG2R0745	26.54 %	35.39 %	0.00 %	0.00 %	0.00 %
INVESTEC BANK PLC 84S0VF8TSMH0T6D4K84 8	16.05 %	9.70 %	0.00 %	0.00 %	0.00 %
NPLUS1 SINGER CAPITAL MARKETS LIMITED 213800ITO7QMNQ9SFG53	7.66 %	3.40 %	0.00 %	0.00 %	0.00 %
NUMIS SECURITIES LIMITED 213800P3F4RT 97WDSX47	7.59 %	1.51 %	0.00 %	0.00 %	0.00 %
Interaction	Execution				
Report provided by LiquidMetrix					



Class of Instrument	Equities - Shares & Depositary Receipts (T56)					
Notification if <1 average trade per business day in the previous year	No					
Top five execution venues ranked in t erms of trading volumes (descending o rder)	Proportion of volume trad ed as a percentage of tot al in that class	Proportion of orders exec uted as percentage of tot al in that class	Percentage of pass ive orders	Percentage of aggres sive orders	Percentage of dire cted orders	
WINTERFLOOD SECURITIES LIMITED 8BRUP6 V1DX3PIG2R0745	48.38 %	49.57 %	0.00 %	0.00 %	0.00 %	
PEEL HUNT LLP 5493007DWN0R4YBM4C84	25.29 %	26.39 %	0.00 %	0.00 %	0.00 %	
STIFEL NICOLAUS EUROPE LIMITED 213800 BVEFNZ8UYPKL03	6.78 %	0.62 %	0.00 %	0.00 %	0.00 %	
VIRTU FINANCIAL IRELAND LIMITED 54930 0XG5LFGN1IGYC71	6.55 %	6.24 %	0.00 %	0.00 %	0.00 %	
COMMERZBANK Aktiengesellschaft 851WYG NLUQLFZBSYGB56	6.43 %	1.80 %	0.00 %	0.00 %	0.00 %	
Interaction	Execution					
Report provided by LiquidMetrix						



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	No				
Top five execution venues ranked in t erms of trading volumes (descending o rder)	Proportion of volume trad ed as a percentage of tot al in that class	Proportion of orders exec uted as percentage of tot al in that class	Percentage of pass ive orders	Percentage of aggres sive orders	Percentage of dire cted orders
WINTERFLOOD SECURITIES LIMITED 8BRUP6 V1DX3PIG2R0745	36.22 %	41.05 %	0.00 %	0.00 %	0.00 %
PEEL HUNT LLP 5493007DWN0R4YBM4C84	26.98 %	38.32 %	0.00 %	0.00 %	0.00 %
INVESTEC BANK PLC 84S0VF8TSMH0T6D4K84 8	14.44 %	12.47 %	0.00 %	0.00 %	0.00 %
COMMERZBANK Aktiengesellschaft 851WYG NLUQLFZBSYGB56	14.26 %	6.46 %	0.00 %	0.00 %	0.00 %
STIFEL NICOLAUS EUROPE LIMITED 213800 BVEFNZ8UYPKL03	8.10 %	1.70 %	0.00 %	0.00 %	0.00 %
Interaction	Execution				
Report provided by LiquidMetrix					



Class of Instrument	Debt instruments, Bonds					
Notification if <1 average trade per business day in the previous year	Yes					
Top five execution venues ranked in t erms of trading volumes (descending o rder)	Proportion of volume trad ed as a percentage of tot al in that class Proportion of orders exec uted as percentage of tot al in that class Percentage of pass ive orders Percentage of pass ive orders					
WINTERFLOOD SECURITIES LIMITED 8BRUP6 V1DX3PIG2R0745	96.76 %	60.42 %	0.00 %	0.00 %	0.00 %	
PEEL HUNT LLP 5493007DWN0R4YBM4C84	2.65 %	31.25 %	0.00 %	0.00 %	0.00 %	
CANACCORD GENUITY LIMITED ZBU7VFV5NIM N4ILRFC23	0.59 %	8.33 %	0.00 %	0.00 %	0.00 %	
Interaction	Execution					
Report provided by LiquidMetrix						