

Class of Instrument	Equities - Shares & Depositary Receipts (T34)					
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	
Bolsa de Madrid XMAD	35.81%	45.25%	43.13%	27.21%	0.00%	
CBOE EUROPE ? BXE OFF-BOOK BATF	15.84%	0.68%	1.96%	13.32%	0.00%	
Turquoise Dark TRQM	8.17%	1.21%	52.15%	11.35%	0.00%	
Off Exchange Transactions XOFF	6.37%	0.17%	0.00%	3.07%	0.00%	
MORGAN STANLEY AND CO. INTERNATIONAL PLC - SYSTEMA MSSI	6.16%	6.16%	31.02%	23.88%	0.00%	
Interaction	Execution					
	I Rep	port provided by LiquidMetrix				



tage of pass Percei sive of 42.94%		Percentage of directed orders		
lers sive o	rders c	cted orders		
42 94%	16.78%	0.000/		
12.5170		0.00%		
49.93%	15.83%	0.00%		
5.92%	15.23%	0.00%		
29.24%	7.99%	0.00%		
60.66%	10.78%	0.00%		
Execution				
6	50.66%	50.66% 10.78%		



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	
Bolsa de Madrid XMAD	40.71%	45.54%	2.13%	0.55%	0.00%	
Swiss Stock Exchange XSWX	28.19%	5.25%	0.00%	0.00%	0.00%	
UBS Dark Pool XUBS	7.82%	3.39%	79.59%	20.41%	0.00%	
London Stock Exchange XLON	7.44%	0.69%	0.00%	0.00%	0.00%	
Paris Stock Exchange XPAR	3.88%	16.45%	0.00%	0.00%	0.00%	
Interaction	Execution					



Class of Instrument	Other instruments				
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 aggres sive orders	Percentage of dire cted orders
Off Exchange Transactions XOFF	97.21%	14.04%	0.00%	0.00%	0.00%
Bolsa de Madrid XMAD	2.79%	85.96%	100.00%	0.00%	0.00%
Interaction	Execution				
Report provided by LiquidMetrix					