The top 5 brokers and execution venues in 2021, retail clients,

1 Costall

E CALLER

Best execution RTS 28 report OP Corporate Bank

ф ОР



Retail clients

Top five Brokers

Class of Instrument	Equities - Shares & Depositary Receipts, liquidity bands 1 and 2 (from 0 to 79 trades per day)							
Retail clients								
Notification if <1 average trade per business day in the previous year	No							
Top five investment firms ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders exe- cuted as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders			
VIRTU ITG EUROPE LIMITED 213800EEC95PRUCEUP63	91.89	96.11	N/A	N/A	0			
Skandinaviska Enskilda Banken AB F3JS33DEI6XQ4ZBPTN86	8.11	3.89	N/A	N/A	0			

Class of Instrument	Equities - Shares & Depositary Receipts, liquidity bands 1 and 2 (from 0 to 79 trades per day)							
Retail clients	Equity savings account (19.6.2	Equity savings account (19.6.2021 - 31.12.2021)						
Notification if <1 average trade per business day in the previous year	lo							
Top five investment firms ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders exe- cuted as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders			
VIRTU ITG EUROPE LIMITED 213800EEC95PRUCEUP63	100	100	N/A	N/A		0		



Class of Instrument

Equities - Shares & Depositary Receipts, liquidity bands 3 and 4 (from 80 to 1999 trades per day)

Retail clients								
Notification if <1 average trade per business day in the previous year	No							
Top five investment firms ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders exe- cuted as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders			
VIRTU ITG EUROPE LIMITED 213800EEC95PRUCEUP63	96.78	98.29	N/A	N/A				
Skandinaviska Enskilda Banken AB F3JS33DEI6XQ4ZBPTN86	3.22	1.71	N/A	N/A				

Class of Instrument	Equities - Shares & Depositary Receipts, liquidity bands 5 and 6 (from 2000 trades per day)						
Retail clients							
Notification if <1 average trade per business day in the previous year	No						
Top five investment firms ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders exe- cuted as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
VIRTU ITG EUROPE LIMITED 213800EEC95PRUCEUP63	98.22	97.60	N/A	N/A	0		
Skandinaviska Enskilda Banken AB F3JS33DEI6XQ4ZBPTN86	1.78	2.40	N/A	N/A	0		



Class of Instrument

Exchange traded funds, exchange traded notes and exchange traded commodities

Retail clients								
Notification if <1 average trade per business day in the previous year	No							
Top five investment firms ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders exe- cuted as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders			
VIRTU ITG EUROPE LIMITED 213800EEC95PRUCEUP63	97.03	99.57	N/A	N/A	0			
Skandinaviska Enskilda Banken AB F3JS33DEI6XQ4ZBPTN86	2.97	0.43	N/A	N/A	0			

Class of Instrument	Other instruments							
Retail clients								
Notification if <1 average trade per business day in the previous year	No							
Top five investment firms ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders exe- cuted as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders			
Skandinaviska Enskilda Banken AB F3JS33DEI6XQ4ZBPTN86	99.91	98.12	N/A	N/A	0			
VIRTU ITG EUROPE LIMITED 213800EEC95PRUCEUP63	0.09	1.88	N/A	N/A	0			



Class of Instrument	Securitized Derivatives, Warrants and Certificate Derivatives							
Retail clients								
Notification if <1 average trade per business day in the previous year	No							
Top five investment firms ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders exe- cuted as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders			
VIRTU ITG EUROPE LIMITED 213800EEC95PRUCEUP63	99.83	97.62	N/A	N/A	0			
Skandinaviska Enskilda Banken AB F3JS33DEI6XQ4ZBPTN86	0.17	2.38	N/A	N/A	0			

Class of Instrument	Other securitized derivatives							
Retail clients								
Notification if <1 average trade per business day in the previous year	No							
Top five investment firms ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders exe- cuted as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders			
VIRTU ITG EUROPE LIMITED 213800EEC95PRUCEUP63	99.99	99.76	N/A	N/A	C			
Skandinaviska Enskilda Banken AB F3JS33DEI6XQ4ZBPTN86	0.01	0.24	N/A	N/A	C			



Class of Instrument	Exchange traded Structured finance instruments							
Retail clients								
Notification if <1 average trade per business day in the previous year	No							
Top five investment firms ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders exe- cuted as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders			
/IRTU ITG EUROPE LIMITED 213800EEC95PRUCEUP63	100	100	N/A	N/A	1			

Class of Instrument	Debt instruments, Bonds						
Retail clients							
Notification if <1 average trade per business day in the previous year	No						
Top five investment firms ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders exe- cuted as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
VIRTU ITG EUROPE LIMITED 213800EEC95PRUCEUP63	100	100	N/A	N/A	C		



Retail clients

Top five venues

Class of Instrument	Equities - Shares & Depositary Receipts, liquidity bands 1 and 2 (from 0 to 79 trades per day)						
Retail clients							
Notification if <1 average trade per business day in the previous year	No						
Top five investment firms ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders exe- cuted as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
First North Finland FSME	90.82	83.73	20.51	26.64	0		
The Helsinki Stock Exchange XHEL	9.18	16.27	14.24	22.6	0		

Class of Instrument	Equities - Shares & Depositary Receipts, liquidity bands 3 and 4 (from 80 to 1999 trades per day)							
Retail clients								
Notification if <1 average trade per business day in the previous year	No							
Top five investment firms ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders exe- cuted as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders			
First North Finland FSME	98.89	98.43	19.06	27.26	0			
The Helsinki Stock Exchange XHEL	1.11	1.57	57.14	0	0			



Securitized Derivatives, Warrants and Certificate Derivatives Class of Instrument Retail clients Notification if <1 average trade per business day in the previous No year Top five investment firms ranked in terms of trading volumes Proportion of volume traded Proportion of orders exe-Percentage of directed Percentage of passive orders Percentage of aggressive (descending order) as a percentage of total in cuted as percentage of total orders orders that class in that class First North Finland|FSME 99.92 99.63 19.06 27.26 0 The Helsinki Stock Exchange XHEL 0.37 N/A N/A 0.08 0

Class of Instrument	Other securitized derivatives					
Retail clients						
Notification if <1 average trade per business day in the previous year	No					
Top five investment firms ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders exe- cuted as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
The Helsinki Stock Exchange XHEL	100	100	0	1.16		0



Class of Instrument	Exchange traded Structured finance instruments					
Retail clients						
Notification if <1 average trade per business day in the previous year	No					
Top five investment firms ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders exe- cuted as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
First North Finland FSME	100	100	N/A	N/A		

Class of Instrument	Debt instruments, Bonds					
Retail clients						
Notification if <1 average trade per business day in the previous year	No					
Top five investment firms ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders exe- cuted as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
OP CORPORATE BANK 549300NQ588N7RWKBP98	100	100	N/A	N/A	0	



Class of Instrument	Swaps, forwards, and other interest rates derivatives					
Retail clients						
Notification if <1 average trade per business day in the previous year	No					
Top five investment firms ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders exe- cuted as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
OP CORPORATE BANK 549300NQ588N7RWKBP98	100	100	N/A	N/A		0

Class of Instrument	Swaps, forwards, and other currency derivatives					
Retail clients						
Notification if <1 average trade per business day in the previous year	No					
Top five investment firms ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders exe- cuted as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
OP CORPORATE BANK 549300NQ588N7RWKBP98	100	100	N/A	N/A		0



Class of Instrument	Structured finance instruments					
Retail clients						
Notification if <1 average trade per business day in the previous year	No					
Top five investment firms ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders exe- cuted as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
OP CORPORATE BANK 549300NQ588N7RWKBP98	100	100	N/A	N/A	C	