## **Professional Client Types**

Class of Instrument	(a) Equities: Tick Size	Liquidity Band 1 a	ınd 2		
Notification if <1	N				
average trade per					
business day in the					
previous year					
Top five brokers	Proportion of	Proportion of			
ranked in terms of	volume traded as a	orders executed		Percentage of	
trading volumes	percentage of total	as percentage of	Percentage of	aggressive	Percentage of
(descending order)	in that class	total in that class	passive orders	orders	directed orders
	15,4%	8,7%			
BOA - MERRILL LYNCH					
(GGDZP1UYGU9STUH					
RDP48)			N1 / A	21/2	N1/A
CITIGROUP	12.10/	11 10/	N/A	N/A	N/A
(XKZZ2JZF41MRHTR1	13,1%	11,1%			
V493)			N/A	N/A	N/A
MORGAN STANLEY	11,3%	13,8%	N/A	N/A	IN/A
(4PQUHN3JPFGFNF3B	11,570	13,670			
B653)			N/A	N/A	N/A
SOCIETE GENERALE	8,5%	18,6%	,	· · ·	,
(O2RNE8IBXP4R0TD8	,	ŕ			
PU41)			N/A	N/A	N/A
EXANE	8,0%	14,9%			
(969500UP76J52A9O					
XU27)			N/A	N/A	N/A
Top 5 Total	56,3%	67,1%	N/A	N/A	N/A

r					
Class of Instrument	(a) Equities: Tick Size	Liquidity Band 3 a	ınd 4		
Notification if <1	N				
average trade per					
business day in the					
previous year					
Top five brokers	Proportion of	Proportion of			
ranked in terms of	volume traded as a	orders executed		Percentage of	
trading volumes	percentage of total	as percentage of	Percentage of	aggressive	Percentage of
(descending order)	in that class	total in that class	passive orders	orders	directed orders
SOCIETE GENERALE	25,2%	41,2%			
(O2RNE8IBXP4R0TD8					
PU41)			N/A	N/A	N/A
JP Morgan	19,9%	8,0%			
(549300ZK53CNGEEI6					
A29)			N/A	N/A	N/A
BOA - MERRILL LYNCH	15,7%	22,3%			
(GGDZP1UYGU9STUH					
RDP48)			N/A	N/A	N/A
CITIGROUP	11,0%	7,5%			
(XKZZ2JZF41MRHTR1					
V493)			N/A	N/A	N/A
BARCLAYS	5,6%	0,4%			
(2G5BKIC2CB69PRJH1					
W31)			N/A	N/A	N/A
Top 5 Total	77,4%	79,4%	N/A	N/A	N/A

Class of Instrument	(a) Equities: Tick Size	Liquidity Band 5 a	ınd 6		
Notification if <1	N				
average trade per					
business day in the					
previous year					
Top five brokers	Proportion of	Proportion of			
ranked in terms of	volume traded as a	orders executed		Percentage of	
trading volumes	percentage of total	as percentage of	Percentage of	aggressive	Percentage of
(descending order)	in that class	total in that class	passive orders	orders	directed orders
BOA - MERRILL LYNCH	16,1%	12,2%			
(GGDZP1UYGU9STUH					
RDP48)			N/A	N/A	N/A
SOCIETE GENERALE	11,9%	22,7%	N/A	IN/A	IN/A
(O2RNE8IBXP4R0TD8	11,570	22,770			
PU41)			N/A	N/A	N/A
CITIGROUP	11,8%	11,9%	•	,	,
(XKZZ2JZF41MRHTR1	·				
V493)			N/A	N/A	N/A
EXANE	11,4%	11,1%			
(969500UP76J52A9O					
XU27)			N/A	N/A	N/A
MORGAN STANLEY	11,3%	14,3%			
(4PQUHN3JPFGFNF3B					
B653)			N/A	N/A	N/A
Top 5 Total	62,5%	72,2%	N/A	N/A	N/A

Class of Instrument	(b) Debt Instruments	(Bonds)			
Notification if <1	N				
average trade per					
business day in the					
previous year					
Top five brokers	Proportion of	Proportion of			
ranked in terms of	volume traded as a	orders executed		Percentage of	
trading volumes	percentage of total	as percentage of	Percentage of	aggressive	Percentage of
(descending order)	in that class	total in that class	passive orders	orders	directed orders
TradeWeb EU B.V.	51,8%	47,5%			
(549300MII67ES5YBJ					
H61)			N/A	N/A	N/A
Bloomberg Trading	31,1%	17,4%			
Facility BV (BTFE)			N/A	N/A	N/A
MarketAxess NL	7,4%	19,9%			
B.V.(MANL)			N/A	N/A	N/A
TradeWeb Europe Ltd	3,3%	9,2%			
(2138001WXZQOPMP					
A3D50)					
ASDSUJ			N/A	N/A	N/A
BOA - Merrill Lynch	0,8%	0,3%			
(549300FH0WJAPEHT					
IQ77)			N/A	N/A	N/A
Top 5 Total	94,4%	94,3%	N/A	N/A	N/A

Class of Instrument	(b) Debt Instruments	(Money markets i	nstruments)		
Notification if <1	N				
average trade per					
business day in the					
previous year					
Top five brokers 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
JP MORGAN CHASE	39,8%	17,3%	•		
(549300ZK53CNGEEI6 A29)			N/A	N/A	N/A
BOA - MERRILL LYNCH (EQYXK86SF381Q21S 3020	34,1%	11,3%	N/A	N/A	N/A
Tradeweb Europe Limited (2138001WXZQOPMP A3D50)	12,3%	25,9%	N/A	N/A	N/A
TradeWeb EU B.V. (2138001WXZQOPMP A3D50)	8,9%	21,3%	N/A	N/A	N/A
MORGAN STANLEY (54930056FHWP7GI	1,5%	4,0%			
WYY08)	05.50/	70.00/	N/A	N/A	N/A
Top 5 Total	96,6%	79,8%	N/A	N/A	N/A

Class of Instrument	(c) Interest rates deri	ivatives			
Notification if <1	N				
average trade per					
business day in the					
previous year					
Top five brokers	Proportion of	Proportion of			
ranked in terms of	volume traded as a	orders executed		Percentage of	
trading volumes	percentage of total	as percentage of	Percentage of	aggressive	Percentage of
(descending order)	in that class	total in that class	passive orders	orders	directed orders
UBS	15,6%	5,7%			
(5299007QVIQ7I064					
NX37)			N/A	N/A	N/A
CREDIT AGRICOLE	15,1%	16,9%			
GROUP					
(2138007P96W5GXQ					
CJL28)			N/A	N/A	N/A
BNP PARIBAS	14,9%	21,0%			
(DGQCSV2PHVF7I274					
3539)			N/A	N/A	N/A
Morgan Stanley	9,2%	3,2%			
(54930056FHWP7GI					
WYY08)			N/A	N/A	N/A
SOCIETE GENERALE	7,9%	18,3%			
(O2RNE8IBXP4R0TD8					
PU41)			N/A	N/A	
Top 5 Total	62,7%	65,1%	N/A	N/A	N/A

Class of Instrument	(d) Credit derivatives
	N/A

Class of Instrument	(e) Currency derivative	VAS			
	N	<del>/C3</del>			
average trade per					
business day in the					
previous year					
,					
Top five brokers	Proportion of	Proportion of			
ranked in terms of	volume traded as a	orders executed		Percentage of	
trading volumes	percentage of total	as percentage of	Percentage of	aggressive	Percentage of
(descending order)	in that class	total in that class	passive orders	orders	directed orders
Financial & Risk	95,6%	97,8%			
Transaction Services					
Ireland Limited - FXall					
RFQ			N/A	N/A	N/A
CREDIT AGRICOLE	1,5%	0,6%			
GROUP					
(1VUV7VQFKUOQSJ2					
1A208)		ļ	N/A	N/A	N/A
BOA - MERRILL LYNCH	1,3%	0,4%			
(549300FH0WJAPEHT					
IQ77)					
	0.504	0.000	N/A	N/A	N/A
Bloomberg Trading	0,6%	0,8%	N/0	21/2	N./A
Facility BV ( BTFE ) MORGAN STANLEY	0.5%	0.30/	N/A	N/A	N/A
(54930056FHWP7GI	0,5%	0,2%			
(54930056FHWP/GI WYY08)			N/A	N/A	N/A
Top 5 Total	99,5%	99,8%	N/A	N/A	N/A

Class of Instrument	(f) Structured finance instruments
	N/A

Class of Instrument	(g) Equity Derivatives	s			
Notification if <1	N				
average trade per					
business day in the					
previous year					
Top five brokers	Proportion of	Proportion of			
ranked in terms of	volume traded as a	orders executed		Percentage of	
trading volumes	percentage of total	as percentage of	Percentage of	aggressive	Percentage of
(descending order)	in that class	total in that class	passive orders	orders	directed orders
Bloomberg Trading	31,1%	7,4%			
Facility BV ( BTFE )			N/A	N/A	N/A
Goldman Sachs	13,6%	2,2%			
(8IBZUGJ7JPLH368JE3					
46)			N/A	N/A	N/A
SOCIETE GENERALE	12,6%	19,1%			
(O2RNE8IBXP4R0TD8					
PU41)			N/A	N/A	N/A
BNP Paribas	8,4%	7,2%			
(ROMUWSFPU8MPRO					
8K5P83)			N/A	N/A	N/A
CREDIT AGRICOLE	8,3%	13,8%			
GROUP					
(2138007P96W5GXQ					
CJL28)			N/A	N/A	N/A
Top 5 Total	74,0%	49,7%	N/A	N/A	N/A

Class of Instrument	(h) Securitized derivatives
	N/A

Class of Instrument	(i) Commodities derivatives and emission allowances Derivatives
	N/A

Class of Instrument	(j) Contracts for difference			
	N/A			

Class of Instrument	(k) Exchange Traded	Products (ETF)			
Notification if <1	N				
average trade per					
business day in the					
previous year					
Top five brokers	Proportion of	Proportion of			
ranked in terms of	volume traded as a	orders executed		Percentage of	
trading volumes	percentage of total	as percentage of	Percentage of	aggressive	Percentage of
(descending order)	in that class	total in that class	passive orders	orders	directed orders
Tradeweb EU B.V. (549300MII67ES5YBJ	84,8%	65,2%			
H61)			N/A	N/A	N/A
UBS	12,0%	12,9%	,	,	,
(5299007QVIQ7I064	,	,			
NX37)			N/A	N/A	N/A
Societe Generale	2,7%	19,1%			
(O2RNE8IBXP4R0TD8					
PU41)			N/A	N/A	N/A
CITIGROUP	0,2%	1,6%			
(XKZZ2JZF41MRHTR1					
V493)			N/A	N/A	N/A
KEPLER - CHEUVREUX	0,2%	1,1%			
(9695005EOZG9X8IRJ					
D84)					
T	00.09/	00.00/	N/A	N/A	
Top 5 Total	99,9%	99,9%	N/A	N/A	N/A

Class of Instrument	(I) Emission allowances
	N/A

Class of Instrument	(m) Other instrumen	ts /Convertibles Be	ands)		
Notification if <1	N	ts (Convertibles bo	niusj		
average trade per	IN				
business day in the					
1					
previous year				<u> </u>	I
Top five brokers	Proportion of	Proportion of			
ranked in terms of	volume traded as a	orders executed		Percentage of	
trading volumes	percentage of total	as percentage of	Percentage of	aggressive	Percentage of
(descending order)	in that class	total in that class	passive orders	orders	directed orders
TradeWeb EU B.V.	85,2%	84,4%			
(549300MII67ES5YBJ					
H61)			N/A	N/A	N/A
Goldman Sachs	6,9%	4,4%			
(W22LROWP2IHZNBB					
6K528)			N/A	N/A	N/A
BOA - Merrill Lynch	3,6%	4,4%			
(GGDZP1UYGU9STUH					
RDP48)			N/A	N/A	N/A
Morgan Stanley	2,6%	2,2%			
(4PQUHN3JPFGFNF3B					
B653)			N/A	N/A	N/A
Unicredit	1,0%	2,2%			
(2ZCNRR8UK83OBTEK					
2170)			N/A	N/A	N/A
Top 5 Total	99,3%	97,6%	N/A	N/A	N/A