

Professional Client Types

(a) Equities: Tick Size Liquidity Band 1 and 2					
Class of Instrument					
Notification if <1	N				
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
CITIGROUP (XKZZ2JZF41MRHTR1V493)	24,70%	17,50%	N/A	N/A	N/A
BOA - MERRILL LYNCH (GGDZP1UYGU9STUHRDP48)	22,20%	24,90%	N/A	N/A	N/A
MORGAN STANLEY (4PQUHN3JPF GFNF3B B653)	15,60%	15,80%	N/A	N/A	N/A
SOCIETE GENERALE (O2RNE8IBXP4R0TD8PU41)	15,00%	20,40%	N/A	N/A	N/A
MORGAN STANLEY (4PQUHN3JPF GFNF3B B653)	7,90%	4,10%	N/A	N/A	N/A
Top 5 Total	85,40%	82,70%	N/A	N/A	N/A
(a) Equities: Tick Size Liquidity Band 3 and 4					
Class of Instrument					
Notification if <1	N				
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
UNICREDIT (2ZCNRR8UK83OBTEK2170)	15,90%	14,70%	N/A	N/A	N/A
EXANE (969500UP76J52A90XU27)	12,40%	8,10%	N/A	N/A	N/A
MORGAN STANLEY (4PQUHN3JPF GFNF3B B653)	9,20%	8,60%	N/A	N/A	N/A
CITIGROUP (XKZZ2JZF41MRHTR1V493)	9,10%	11,70%	N/A	N/A	N/A
SOCIETE GENERALE (O2RNE8IBXP4R0TD8PU41)	6,40%	7,20%	N/A	N/A	N/A

Top 5 Total	53,00%	50,30%	N/A	N/A	N/A
Class of Instrument	(a) Equities: Tick Size Liquidity Band 5 and 6				
Notification if <1	N				
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
CITIGROUP (XKZZ2JZF41MRHTR1 V493)	13,80%	16,30%	N/A	N/A	N/A
MORGAN STANLEY (4PQUHN3JPFQFNF3B B653)	11,10%	10,00%	N/A	N/A	N/A
BOA - MERRILL LYNCH (GGDZP1UYGU9STUH RDP48)	10,50%	9,60%	N/A	N/A	N/A
EXANE (969500UP76J52A90 XU27)	8,90%	8,40%	N/A	N/A	N/A
SOCIETE GENERALE (O2RNE8IBXP4R0TD8 PU41)	6,60%	8,60%	N/A	N/A	N/A
Top 5 Total	50,90%	52,90%	N/A	N/A	N/A

Class of Instrument	(b) Debt Instruments (Bonds)				
Notification if <1 average trade per business day in the previous year	N				
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 (7H6GLXDRUGQFU57 RNE97)	11,20%	10,90%	N/A	N/A	N/A
GOLDMAN SACHS (W22LROWP2IHZNBB 6K528)	10,10%	8,10%	N/A	N/A	N/A
CITIGROUP (XKZZ2JZF41MRHTR1 V493)	8,30%	6,50%	N/A	N/A	N/A
BNP PARIBAS (ROMUWSFPU8MPRO 8K5P83)	6,70%	7,10%	N/A	N/A	N/A

MORGAN STANLEY (4PQUHN3JPF3B653)	6,10%	4,50%	N/A	N/A	N/A
Top 5 Total	42,40%	37,10%	N/A	N/A	N/A

Class of Instrument	(b) Debt Instruments (Money markets instruments)				
Notification if <1 average trade per business day in the previous year	N				
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
GOLDMAN SACHS (W22LROWP2IHZNBB6K528)	28,00%	15,90%	N/A	N/A	N/A
HSBC (MP6I5ZYZBEU3UXPYFY54)	27,60%	19,30%	N/A	N/A	N/A
JP MORGAN CHASE (7H6GLXDRUGQFU57RNE97)	21,50%	22,30%	N/A	N/A	N/A
NORMURA (213800M)	8,00%	8,40%	N/A	N/A	N/A
BOA - MERRILL LYNCH	3,70%	6,40%	N/A	N/A	N/A
Top 5 Total	88,80%	72,30%	N/A	N/A	N/A

Class of Instrument	(c) Interest rates derivatives				
Notification if <1 average trade per business day in the previous year	N				
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
MORGAN STANLEY (4PQUHN3JPF3B653)	34,20%	52,90%	N/A	N/A	N/A
UNICREDIT (2ZCNRR8UK83OONEK2170)	33,20%	32,70%	N/A	N/A	N/A

UBS (969500Q2MA9VBQ8 BG884)	14,90%	3,40%	N/A	N/A	N/A
JP MORGAN CHASE (7H6GLXDRUGQFU57 RNE97)	7,50%	2,00%	N/A	N/A	N/A
BNP PARIBAS (ROMUWSFPU8MPRO 8K5P83)	4,00%	1,00%	N/A	N/A	N/A
Top 5 Total	93,80%	92,00%	N/A	N/A	N/A

Class of Instrument	(e) Currency derivatives				
Notification if <1 average trade per business day in the previous year	N				
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
HSBC (MP6I5ZYBZEU3UXPY FY54)	18,60%	24,30%	N/A	N/A	N/A
GOLDMAN SACHS (W22LROWP2IHZNBB 6K528)	18,00%	11,70%	N/A	N/A	N/A
BOA - MERRILL LYNCH (GGDZP1UYGU9STUH RDP48)	15,70%	11,10%	N/A	N/A	N/A
CITIGROUP (XKZZ2JZF41MRHTR1 V493)	11,20%	7,50%	N/A	N/A	N/A
JP MORGAN CHASE (7H6GLXDRUGQFU57 RNE97)	10,10%	14,90%	N/A	N/A	N/A
Top 5 Total	73,60%	69,50%	N/A	N/A	N/A

Class of Instrument	(g) Equity Derivatives				
Notification if <1 average trade per business day in the previous year	N				

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
MORGAN STANLEY (4PQUHN3JPFGFNF3B B653)	35,30%	28,30%	N/A	N/A	N/A
UNICREDIT (2ZCNRR8UK83OONE K2170)	20,30%	4,50%	N/A	N/A	N/A
JP MORGAN CHASE (7H6GLXDRUGQFU57 RNE97)	15,50%	1,90%	N/A	N/A	N/A
CREDIT SUISSE (E58DK)	10,00%	1,60%	N/A	N/A	N/A
SOCIETE GENERALE (O2RNE8IBXP4R0TD8 PU41)	5,90%	7,30%	N/A	N/A	N/A
Top 5 Total	87,00%	43,60%	N/A	N/A	N/A

Class of Instrument	(k) Exchange Traded Products (ETF)				
Notification if <1 average trade per business day in the previous year	N				
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
JANE STREET (549300ZHEHX8M31 RP142)	14,70%	9,80%	N/A	N/A	N/A
HSBC (F0HUI1NY1AZM)	14,00%	3,40%	N/A	N/A	N/A
MORGAN STANLEY (54)	11,10%	9,50%	N/A	N/A	N/A
UBS (969500Q2MA9VBQ8 BG884)	9,70%	14,10%	N/A	N/A	N/A
COMMERZBANK (969500CF6KZ8GL8U 6948)	8,90%	17,70%	N/A	N/A	N/A
Top 5 Total	58,40%	54,50%	N/A	N/A	N/A

Class of Instrument	(m) Convertibles Bonds
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Notification if <1 average trade per business day in the previous year	N				
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
BNP PARIBAS (ROMUWSFPU8MPRO8K5P83)	17,90%	13,20%	N/A	N/A	N/A
UNICREDIT (2ZCNRR8UK83OONEK2170)	16,60%	17,60%	N/A	N/A	N/A
JP MORGAN CHASE (7H6GLXDRUGQFU57RNE97)	14,00%	17,60%	N/A	N/A	N/A
JEFFERIES (58PU97L1COWSRCWADL48)	12,70%	14,70%	N/A	N/A	N/A
CREDIT AGRICOLE GROUP (2138007P96W5GXQCJL28)	6,70%	4,40%	N/A	N/A	N/A
Top 5 Total	67,90%	67,50%	N/A	N/A	N/A