

Top 5 Reporting 2020

Retail Clients

Table 1

Class of Instrument	Equities – Shares & Depository Receipts - Tick size liquidity band 1 and 2 (from 0 to 79 trades per day)				
Notification, if < 1 average trade per business day in the previous year	N				
Top five execution venues 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
GETTEX - Market Maker Munich (MUNC)	94,96	99,74	100,00	0,00	99,98
Xetra (XETR)	3,07	0,15	100,00	0,00	11,85
NASDAQ Stock Market (XNAS)	0,33	0,01	100,00	0,00	0,00
New York Stock Exchange (XNYS)	0,21	0,01	100,00	0,00	0,00
Jersey City/N.J. – DirectEdge – EDGX Exchange Trading (EDGX)	0,16	0,00	100,00	0,00	0,00

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Table 2

Class of Instrument	Equities – Shares & Depository Receipts - Tick size liquidity bands 3 and 4 (from 80 to 1999 trades per day)				
Notification, if < 1 average trade per business day in the previous year	N				
Top five execution venues 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
GETTEX - Market Maker Munich (MUNC)	97,08	99,88	100,00	0,00	99,94
Xetra (XETR)	1,88	0,08	100,00	0,00	17,63
TURQUOISE PLATO (TRQM)	0,36	0,00	100,00	0,00	0,00
Euronext Bruxelles (XBRU)	0,12	0,00	100,00	0,00	0,00
London - BATS Chi-X Europe – CXE Dark Order Book (CHID)	0,09	0,00	100,00	0,00	0,00

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Table 3

Class of Instrument	Equities – Shares & Depository Receipts - Tick size liquidity bands 5 and 6 (from 2000 trades per day)				
Notification, if < 1 average trade per business day in the previous year	N				
Top five execution venues 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
GETTEX - Market Maker Munich (MUNC)	99,20	99,79	100,00	0,00	99,96
Xetra (XETR)	0,20	0,03	100,00	0,00	39,96
Börse München (XMUN)	0,11	0,13	100,00	0,00	100,00
New York Stock Exchange (XNYS)	0,08	0,01	100,00	0,00	0,00
NASDAQ Stock Market (XNAS)	0,08	0,01	100,00	0,00	0,00

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Table 4

Class of Instrument	Equities - No specific assignment				
Notification, if < 1 average trade per business day in the previous year	N				
Top five execution venues 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
GETTEX - Market Maker Munich (MUNC)	99,74	99,97	100,00	0,00	100,00
New York Stock Exchange (XNYS)	0,26	0,03	100,00	0,00	0,00

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Table 5

Class of Instrument	Debt instruments - Bonds				
Notification, if < 1 average trade per business day in the previous year	Y				
Top five execution venues 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Börse München (XMUN)	44,26	44,65	100,00	0,00	0,00
Börse Frankfurt (XFRA)	18,17	21,43	100,00	0,00	0,00
Berlin - Tradegate Exchange (TGAT)	10,45	5,47	100,00	0,00	0,00
Börse Stuttgart (XSTU)	10,19	6,57	100,00	0,00	0,00
Börse Berlin (XBER)	9,20	11,17	100,00	0,00	0,00

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Table 6

Class of Instrument	Debt instruments - Money markets instruments				
Notification, if < 1 average trade per business day in the previous year	N				
Top five execution venues 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
null	0	0	0	0	0

Retail Clients

Table 7

Class of Instrument	Interest rates derivatives - Futures and options admitted to trading on a trading venue				
Notification, if < 1 average trade per business day in the previous year	Y				
Top five execution venues 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
null	0	0	0	0	0

Retail Clients

Table 8

Class of Instrument	Interest rates derivatives - Swaps, forwards, and other interest rates derivatives				
Notification, if < 1 average trade per business day in the previous year	Y				
Top five execution venues 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
null	0	0	0	0	0

Retail Clients

Table 9

Class of Instrument	Credit derivatives - Futures and options admitted to trading on a trading venue				
Notification, if < 1 average trade per business day in the previous year	Y				
Top five execution venues 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
null	0	0	0	0	0

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Table 10

Class of Instrument	Credit derivatives - Other credit derivatives				
Notification, if < 1 average trade per business day in the previous year	Y				
Top five execution venues 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
null	0	0	0	0	0

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Table 11

Class of Instrument	Currency derivatives - Futures and options admitted to trading on a trading venue				
Notification, if < 1 average trade per business day in the previous year	Y				
Top five execution venues 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Chicago Mercantile Exchange (XCME)	100,00	100,00	100,00	0,00	0,00

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Table 12

Class of Instrument	Currency derivatives - Swaps, forwards, and other currency derivatives				
Notification, if < 1 average trade per business day in the previous year	Y				
Top five execution venues 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
null	0	0	0	0	0

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Table 13

Class of Instrument	Structured finance instruments				
Notification, if < 1 average trade per business day in the previous year	Y				
Top five execution venues 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
null	0	0	0	0	0

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Table 14

Class of Instrument	Equity Derivatives - Options and Futures admitted to trading on a trading venue				
Notification, if < 1 average trade per business day in the previous year	Y				
Top five execution venues 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
CBOE Futures Exch. (CFE) (XCBO)	99,07	77,14	100,00	0,00	0,00
Eurex Deutschland (XEUR)	0,93	22,86	100,00	0,00	0,00

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Table 15

Class of Instrument	Equity Derivatives - Swaps and other equity derivatives				
Notification, if < 1 average trade per business day in the previous year	Y				
Top five execution venues 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
null	0	0	0	0	0

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Table 16

Class of Instrument	Securitized Derivatives - Warrants and Certificate Derivatives				
Notification, if < 1 average trade per business day in the previous year	N				
Top five execution venues 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
GETTEX - Market Maker Munich (MUNC)	99,18	99,83	100,00	0,00	99,98
Börse Frankfurt (XFRA)	0,53	0,03	100,00	0,00	0,00
Börse Stuttgart (XSTU)	0,16	0,02	100,00	0,00	15,38
Börse München (XMUN)	0,11	0,11	100,00	0,00	100,00
Börse Düsseldorf (XDUS)	0,01	0,00	100,00	0,00	0,00

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Table 17

Class of Instrument	Securitized Derivatives - Other securitized derivatives				
Notification, if < 1 average trade per business day in the previous year	N				
Top five execution venues 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
null	0	0	0	0	0

Retail Clients

Table 18

Class of Instrument	Commodities derivatives and emission allowances Derivatives - Options and Futures admitted to trading on a trading venue				
Notification, if < 1 average trade per business day in the previous year	Y				
Top five execution venues 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
New York - NYMEX Div. (XNYM)	100,00	100,00	100,00	0,00	0,00

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Table 19

Class of Instrument	Commodities derivatives and emission allowances Derivatives - Other commodities derivatives and emission allowances derivatives				
Notification, if < 1 average trade per business day in the previous year	Y				
Top five execution venues 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
null	0	0	0	0	0

Retail Clients

Table 20

Class of Instrument	Contracts for difference				
Notification, if < 1 average trade per business day in the previous year	N				
Top five execution venues 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
null	0	0	0	0	0

Retail Clients

Table 21

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	N				
Top five execution venues 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
GETTEX - Market Maker Munich (MUNC)	99,38	98,79	100,00	0,00	99,59
Xetra (XETR)	0,54	0,66	100,00	0,00	8,52
London Stock Exchange (XLON)	0,03	0,00	100,00	0,00	0,00
Börse Stuttgart (XSTU)	0,02	0,32	100,00	0,00	0,00
Schweizer Börse (XSWX)	0,01	0,01	100,00	0,00	0,00

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Table 22

Class of Instrument	Emission allowances				
Notification, if < 1 average trade per business day in the previous year	Y				
Top five execution venues 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
null	0	0	0	0	0

Retail Clients

Table 23

Class of Instrument	Other instruments				
Notification, if < 1 average trade per business day in the previous year	N				
Top five execution venues 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
GETTEX - Market Maker Munich (MUNC)	95,80	98,85	100,00	0,00	99,42
Schweizer Börse -SIX Swiss Exchange AG (XSWX)	1,31	0,13	100,00	0,00	0,00
Börse München (XMUN)	1,13	0,63	100,00	0,00	100,00
Berlin - Tradegate Exchange (TGAT)	0,73	0,16	100,00	0,00	0,00
Börse Stuttgart (XSTU)	0,57	0,10	100,00	0,00	0,00

Professional Clients

Table 1

Class of Instrument	Equities – Shares & Depository Receipts - Tick size liquidity band 1 and 2 (from 0 to 79 trades per day)				
Notification, if < 1 average trade per business day in the previous year	N				
Top five execution venues 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Schweizer Börse -SIX Swiss Exchange AG (XSWX)	55,82	6,59	68,43	31,57	2,10
Xetra (XETR)	6,72	13,11	55,99	44,01	55,06
NASDAQ Stock Market (XNAS)	4,77	2,74	72,01	27,99	1,41
New York Stock Exchange (XNYS)	4,73	3,05	83,36	16,64	3,39
London Stock Exchange (XLON)	4,28	1,19	61,81	38,19	1,38

Professional Clients

Table 2

Class of Instrument	Equities – Shares & Depositary Receipts - Tick size liquidity bands 3 and 4 (from 80 to 1999 trades per day)				
Notification, if < 1 average trade per business day in the previous year	N				
Top five execution venues 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Xetra (XETR)	43,23	29,95	53,85	46,15	54,48
Wien (XWBO)	8,79	2,60	57,81	42,19	39,67
Börse Frankfurt (XFRA)	5,40	40,01	100,0	0	97,88
Schweizer Börse -SIX Swiss Exchange AG (XSWX)	4,31	0,57	67,84	32,16	3,89
CHI-X (CHIX)	3,70	0,38	74,14	25,86	7,20

Professional Clients

Table 3

Class of Instrument	Equities – Shares & Depositary Receipts - Tick size liquidity bands 5 and 6 (from 2000 trades per day)				
Notification, if < 1 average trade per business day in the previous year	N				
Top five execution venues 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Xetra (XETR)	33,99	28,58	43,93	56,07	51,62
Berlin - Tradegate Exchange (TGAT)	9,33	18,59	100,00	0,00	98,99
NASDAQ Stock Market (XNAS)	6,26	2,29	84,16	15,84	5,00
Börse Frankfurt (XFRA)	5,94	30,62	100,00	0,00	96,70
CHI-X (CHIX)	5,93	0,72	48,65	51,35	4,71

Professional Clients

Table 4

Class of Instrument	Equities - No specific assignment				
Notification, if < 1 average trade per business day in the previous year	N				
Top five execution venues 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Schweizer Börse -SIX Swiss Exchange AG (XSWX)	32,4	5,23	62,58	37,42	0,00
Xetra (XETR)	9,87	14,61	70,22	29,78	74,6
Tokio Stock Exchange (XTKS)	8,73	4,4	100,00	0,00	0,00
Stock Exchange of Hongkong (SEHK)	8,71	2,50	100,00	0,00	0,00
NASDAQ Stock Market (XNAS)	7,02	7,93	74,48	25,52	12,73

Professional Clients

Table 5

Class of Instrument	Debt instruments - Bonds				
Notification, if < 1 average trade per business day in the previous year	N				
Top five execution venues 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Börse Frankfurt (XFRA)	31,19	19,20	100,00	0,00	83,41
Börse München (XMUN)	29,11	55,47	100,00	0,00	1,35
Börse Stuttgart (XSTU)	22,72	11,94	100,00	0,00	85,80
Börse Berlin (XBER)	6,41	3,35	100,00	0,00	82,95
GETTEX - Market Maker Munich (MUNC)	5,32	7,79	100,00	0,00	0,05

Professional Clients

Table 6

Class of Instrument	Debt instruments - Money markets instruments				
Notification, if < 1 average trade per business day in the previous year	N				
Top five execution venues 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
null	0	0	0	0	0

Professional Clients

Table 7

Class of Instrument	Interest rates derivatives - Futures and options admitted to trading on a trading venue				
Notification, if < 1 average trade per business day in the previous year	N				
Top five execution venues 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
EUREX AG (XEUR)	81,23	79,81	100,00	0,00	5,75
Chicago Board of Trade (XCBT)	11,7	13,51	100,00	0,00	0,78
London – ICE Futures Europe (IFEU)	3,13	3,64	100,00	0,00	1,44
Osaka Sec.Ex.-Opt.+Fut. (XOSE)	2,16	1,08	100,00	0,00	7,32
Montreal Exch.-Fut./Opt. (XMOD)	1,79	1,96	100,00	0,00	4,00

Professional Clients

Table 8

Class of Instrument	Interest rates derivatives - Swaps, forwards, and other interest rates derivatives				
Notification, if < 1 average trade per business day in the previous year	N				
Top five execution venues 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
null	0	0	0	0	0

Professional Clients

Table 9

Class of Instrument	Credit derivatives - Futures and options admitted to trading on a trading venue				
Notification, if < 1 average trade per business day in the previous year	Y				
Top five execution venues 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
null	0	0	0	0	0

Professional Clients

Table 10

Class of Instrument	Credit derivatives - Other credit derivatives				
Notification, if < 1 average trade per business day in the previous year	Y				
Top five execution venues 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
null	0	0	0	0	0

Professional Clients

Table 11

Class of Instrument	Currency derivatives - Futures and options admitted to trading on a trading venue				
Notification, if < 1 average trade per business day in the previous year	N				
Top five execution venues 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Chicago Mercantile Exchange (XCME)	100,00	100,00	100,00	0,00	11,61

Professional Clients

Table 12

Class of Instrument	Currency derivatives - Swaps, forwards, and other currency derivatives				
Notification, if < 1 average trade per business day in the previous year	N				
Top five execution venues 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
null	0	0	0	0	0

Professional Clients

Table 13

Class of Instrument	Structured finance instruments				
Notification, if < 1 average trade per business day in the previous year	Y				
Top five execution venues 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Börse Düsseldorf (XDUS)	86,17	83,33	100,00	0,00	10,00
Börse Frankfurt (XFRA)	13,83	16,67	100,00	0,00	0,00

Professional Clients

Table 14

Class of Instrument	Equity Derivatives - Options and Futures admitted to trading on a trading venue				
Notification, if < 1 average trade per business day in the previous year	N				
Top five execution venues 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
EUREX AG (XEUR)	60,78	42,74	100,00	0,00	11,15
Chicago Mercantile Exchange (XCME)	33,46	14,32	100,00	0,00	42,13
Chicago Board Opt. Exch. (XCBO)	1,54	31,65	100,00	0,00	33,19
New York Board of Trade (IFUS)	1,51	0,76	100,00	0,00	17,17
Paris – NYSE Liffe (XMON)	0,89	0,38	100,00	0,00	4,59

Professional Clients

Table 15

Class of Instrument	Equity Derivatives - Swaps and other equity derivatives				
Notification, if < 1 average trade per business day in the previous year	Y				
Top five execution venues 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
null	0	0	0	0	0

Professional Clients

Table 16

Class of Instrument	Securitized Derivatives - Warrants and Certificate Derivatives				
Notification, if < 1 average trade per business day in the previous year	N				
Top five execution venues 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Börse Stuttgart (XSTU)	54,76	57,28	100,00	0,00	94,44
Börse Frankfurt (XFRA)	38,88	41,63	100,00	0,00	97,92
London Stock Exchange (XLON)	1,94	0,03	97,77	2,23	0,00
GETTEX - Market Maker Munich (MUNC)	1,32	0,07	100,00	0,00	63,22
Wien (XWBO)	0,98	0,05	100,00	0,00	1,84

Professional Clients

Table 17

Class of Instrument	Securitized Derivatives - Other securitized derivatives				
Notification, if < 1 average trade per business day in the previous year	Y				
Top five execution venues 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
null	0	0	0	0	0

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Table 18

Class of Instrument	Commodities derivatives and emission allowances Derivatives - Options and Futures admitted to trading on a trading venue				
Notification, if < 1 average trade per business day in the previous year	N				
Top five execution venues 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
New York - COMEX Div. (XCEC)	80,99	69,74	100,00	0,00	76,73
New York Board of Trade (IFUS)	8,86	16,57	100,00	0,00	93,06
New York - NYMEX Div. (XNYM)	8,69	12,66	100,00	0,00	40,00
Chicago Mercantile Exchange (XCME)	1,20	0,58	100,00	0,00	0,00
London – ICE Futures Europe (IFEU)	0,26	0,46	100,00	0,00	100,00

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Table 19

Class of Instrument	Commodities derivatives and emission allowances Derivatives - Other commodities derivatives and emission allowances derivatives				
Notification, if < 1 average trade per business day in the previous year	Y				
Top five execution venues 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
null	0	0	0	0	0

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Table 20

Class of Instrument	Contracts for difference				
Notification, if < 1 average trade per business day in the previous year	Y				
Top five execution venues 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
null	0	0	0	0	0

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Table 21

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	N				
Top five execution venues 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Xetra (XETR)	73,91	61,38	52,13	47,87	22,32
GETTEX - Market Maker Munich (MUNC)	9,81	18,74	100,00	0,00	31,54
Archipelago (ARCX)	3,44	0,12	90,01	9,99	52,30
Börse Stuttgart (XSTU)	2,61	7,01	100,00	0,00	21,58
Börse Frankfurt (XFRA)	1,52	4,63	100,00	0,00	86,92

Professional Clients

Table 22

Class of Instrument	Emission allowances				
Notification, if < 1 average trade per business day in the previous year	Y				
Top five execution venues 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
null	0	0	0	0	0

Professional Clients

Table 23

Class of Instrument	Other instruments				
Notification, if < 1 average trade per business day in the previous year	N				
Top five execution venues 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Schweizer Börse -SIX Swiss Exchange AG (XSWX)	76,06	19,11	57,32	42,68	1,96
Börse Frankfurt (XFRA)	11,59	32,19	100,00	0,00	95,72
Börse Stuttgart (XSTU)	3,24	9,20	100,00	0,00	85,93
Börse Berlin (XBER)	2,28	19,08	100,00	0,00	99,52
Tower Research Capital Europe Ltd. (TRSI)	1,36	0,20	73,59	26,41	0,56