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## Top 5 venue reporting regarding MIFID II professional clients financial year 2019

Class of Instrument AA99  
Equity instruments- Shares and share certificates

Tick Size not used

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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
XTKS Tokio (FJT)	52,29 %	41,64 %	100,00 %	0,00 %	27,63 %
XJAS Tokio-Jasdaq (FJD)	15,66 %	26,85 %	100,00 %	0,00 %	4,08 %
XNEC Sydney (AAS)	8,41 %	0,82 %	100,00 %	0,00 %	33,33 %
XASE New York (AMEX) (NAA)	6,20 %	1,92 %	100,00 %	0,00 %	28,57 %
XETR XETRA (EDE)	5,24 %	14,52 %	100,00 %	0,00 %	1,89 %



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## Top 5 venue reporting regarding MIFID II professional clients financial year 2019

Class of Instrument AA99  
Equity instruments- Shares and share certificates

Tick Size liquidity band A and liquidity band B

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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
XNYS New York (NYSE) (NAY)	39,68 %	38,86 %	100,00 %	0,00 %	74,94 %
XAMS Amsterdam (ENA)	10,92 %	4,42 %	100,00 %	0,00 %	68,67 %
XETR XETRA (EDE)	9,11 %	21,70 %	100,00 %	0,00 %	17,12 %
XNGS New York - NASDAQ (NAD)	8,47 %	11,50 %	100,00 %	0,00 %	88,25 %
XTKS Tokio (FJT)	7,72 %	4,66 %	100,00 %	0,00 %	63,36 %



## Top 5 venue reporting regarding MIFID II professional clients financial year 2019

Class of Instrument AA99  
Equity instruments- Shares and share certificates

Tick Size liquidity band C and liquidity band D

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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
XETR XETRA (EDE)	50,34 %	78,08 %	100,00 %	0,00 %	15,89 %
XSWX Zürich (ESE)	14,26 %	5,59 %	100,00 %	0,00 %	86,01 %
XPAR Paris (EFP)	6,31 %	2,46 %	100,00 %	0,00 %	67,52 %
XDUB Dublin (EYD)	4,93 %	2,09 %	100,00 %	0,00 %	67,38 %
XMIL Mailand (EIM)	3,16 %	0,31 %	100,00 %	0,00 %	79,41 %



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## Top 5 venue reporting regarding MIFID II professional clients financial year 2019

Class of Instrument AA99  
Equity instruments- Shares and share certificates

Tick Size liquidity band E and liquidity band F

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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
XETR XETRA (EDE)	31,25 %	49,02 %	100,00 %	0,00 %	18,69 %
XPAR Paris (EFP)	13,16 %	7,57 %	100,00 %	0,00 %	47,14 %
XNYS New York (NYSE) (NAY)	9,99 %	10,06 %	100,00 %	0,00 %	77,96 %
XSWX Zürich (ESE)	6,92 %	2,64 %	100,00 %	0,00 %	64,35 %
XNGS New York - NASDAQ (NAD)	6,43 %	6,18 %	100,00 %	0,00 %	77,81 %



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Class of Instrument AB99  
Equity instruments- Shares and share certificates

Tick Size not used

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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
XNAS New York-NASDAQ CM (NSC)	65,51 %	71,43 %	100,00 %	0,00 %	100,00 %
XNGS New York - NASDAQ (NAD)	34,49 %	28,57 %	100,00 %	0,00 %	50,00 %



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## Top 5 venue reporting regarding MIFID II professional clients financial year 2019

Class of Instrument AB99  
Equity instruments- Shares and share certificates

Tick Size liquidity band A and liquidity band B

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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
XNYS New York (NYSE) (NAY)	48,97 %	37,25 %	100,00 %	0,00 %	97,37 %
XNMS New York (Nasdaq) (NAN)	13,51 %	4,90 %	100,00 %	0,00 %	100,00 %
XLON London (EUL)	10,94 %	13,73 %	100,00 %	0,00 %	100,00 %
XNGS New York - NASDAQ (NAD)	10,78 %	13,73 %	100,00 %	0,00 %	100,00 %
XNEC Sydney (AAS)	9,72 %	4,90 %	100,00 %	0,00 %	60,00 %



## Top 5 venue reporting regarding MIFID II professional clients financial year 2019

Class of Instrument AB99  
Equity instruments- Shares and share certificates

Tick Size liquidity band C and liquidity band D

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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
XLON London (EUL)	42,60 %	19,39 %	100,00 %	0,00 %	90,63 %
XNYS New York (NYSE) (NAY)	34,74 %	27,88 %	100,00 %	0,00 %	78,26 %
XETR XETRA (EDE)	8,16 %	24,24 %	100,00 %	0,00 %	17,50 %
XFRA Frankfurt (EDF)	5,23 %	11,52 %	100,00 %	0,00 %	26,32 %
XNGS New York - NASDAQ (NAD)	4,93 %	11,52 %	100,00 %	0,00 %	84,21 %



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## Top 5 venue reporting regarding MIFID II professional clients financial year 2019

Class of Instrument AB99  
Equity instruments- Shares and share certificates

Tick Size liquidity band E and liquidity band F

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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
XLON London (EUL)	53,34 %	11,90 %	100,00 %	0,00 %	100,00 %
XETR XETRA (EDE)	25,75 %	69,05 %	100,00 %	0,00 %	27,59 %
XEUR EUREX (EDT)	12,57 %	2,38 %	100,00 %	0,00 %	100,00 %
XFRA Frankfurt (EDF)	5,52 %	9,52 %	100,00 %	0,00 %	0,00 %
XSTU Stuttgart (EDS)	1,53 %	2,38 %	100,00 %	0,00 %	0,00 %





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## Top 5 venue reporting regarding MIFID II professional clients financial year 2019

Class of Instrument AC99  
Exchange traded products (ETPs)Exc

Tick Size not used

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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
XETR XETRA (EDE)	52,28 %	77,08 %	100,00 %	0,00 %	47,03 %
BRFQ BLOCKMATCH MTF RFQ (BRFQ)	21,30 %	13,52 %	100,00 %	0,00 %	91,58 %
XLON London (EUL)	20,22 %	6,87 %	100,00 %	0,00 %	93,49 %
CHIX London - Chi-X Europ (EUI)	2,25 %	0,75 %	100,00 %	0,00 %	91,89 %
XSWX Zürich (ESE)	1,56 %	0,61 %	100,00 %	0,00 %	86,67 %



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## Top 5 venue reporting regarding MIFID II professional clients financial year 2019

Class of Instrument AD99  
other instruments

Tick Size not used

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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
XVTX Zurich - Swiss Blue (ESZ)	88,97 %	60,00 %	100,00 %	0,00 %	76,19 %
XSWX Zürich (ESE)	7,72 %	16,33 %	100,00 %	0,00 %	65,00 %
XPAR Paris (EFP)	1,24 %	4,90 %	100,00 %	0,00 %	50,00 %
XSTU Stuttgart (EDS)	0,79 %	4,90 %	100,00 %	0,00 %	91,67 %
XFRA Frankfurt (EDF)	0,65 %	7,76 %	100,00 %	0,00 %	21,05 %



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## Top 5 venue reporting regarding MIFID II professional clients financial year 2019

Class of Instrument AE99  
other instruments

Tick Size not used

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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
BMTF Bloomberg (BLOM)	43,22 %	5,56 %	100,00 %	0,00 %	87,50 %
XSTU Stuttgart (EDS)	28,94 %	29,17 %	100,00 %	0,00 %	59,52 %
XSWX Zürich (ESE)	13,58 %	11,11 %	100,00 %	0,00 %	87,50 %
XFRA Frankfurt (EDF)	13,02 %	25,00 %	100,00 %	0,00 %	0,00 %
XVTX Zurich - Swiss Blue (ESZ)	0,80 %	0,69 %	100,00 %	0,00 %	0,00 %



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## Top 5 venue reporting regarding MIFID II professional clients financial year 2019

Class of Instrument BA10  
Debt instruments

Tick Size not used

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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
BMTF Bloomberg (BLOM)	98,56 %	88,90 %	100,00 %	0,00 %	80,57 %
XFRA Frankfurt (EDF)	0,87 %	5,62 %	100,00 %	0,00 %	46,71 %
XSTU Stuttgart (EDS)	0,50 %	5,29 %	100,00 %	0,00 %	80,42 %
XDUS Düsseldorf (EDD)	0,06 %	0,15 %	100,00 %	0,00 %	50,00 %
XBER Berlin-Bremen (EDB)	0,01 %	0,04 %	100,00 %	0,00 %	100,00 %



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## Top 5 venue reporting regarding MIFID II professional clients financial year 2019

Class of Instrument BA11  
Debt instruments

Tick Size not used

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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
BMTF Bloomberg (BLOM)	99,42 %	95,45 %	100,00 %	0,00 %	56,35 %
XFRA Frankfurt (EDF)	0,44 %	3,79 %	100,00 %	0,00 %	0,00 %
XSTU Stuttgart (EDS)	0,14 %	0,76 %	100,00 %	0,00 %	100,00 %



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## Top 5 venue reporting regarding MIFID II professional clients financial year 2019

Class of Instrument BA12  
Debt instruments

Tick Size not used

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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
BMTF Bloomberg (BLOM)	84,43 %	41,49 %	100,00 %	0,00 %	51,28 %
XFRA Frankfurt (EDF)	9,64 %	34,04 %	100,00 %	0,00 %	0,00 %
XSTU Stuttgart (EDS)	5,77 %	23,40 %	100,00 %	0,00 %	59,09 %
XBER Berlin-Bremen (EDB)	0,16 %	1,06 %	100,00 %	0,00 %	0,00 %



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## Top 5 venue reporting regarding MIFID II professional clients financial year 2019

Class of Instrument BA13  
Debt instruments

Tick Size not used

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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
BMTF Bloomberg (BLOM)	99,72 %	98,92 %	100,00 %	0,00 %	54,91 %
XFRA Frankfurt (EDF)	0,25 %	0,72 %	100,00 %	0,00 %	0,00 %
XDUS Düsseldorf (EDD)	0,03 %	0,36 %	100,00 %	0,00 %	100,00 %



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## Top 5 venue reporting regarding MIFID II professional clients financial year 2019

Class of Instrument BA14  
Debt instruments

Tick Size not used

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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
BMTF Bloomberg (BLOM)	95,66 %	73,08 %	100,00 %	0,00 %	79,43 %
XSTU Stuttgart (EDS)	2,08 %	14,95 %	100,00 %	0,00 %	88,39 %
XFRA Frankfurt (EDF)	1,73 %	11,11 %	100,00 %	0,00 %	19,82 %
XMUN München (EDM)	0,36 %	0,34 %	100,00 %	0,00 %	65,22 %
XDUS Düsseldorf (EDD)	0,08 %	0,16 %	100,00 %	0,00 %	54,55 %





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## Top 5 venue reporting regarding MIFID II professional clients financial year 2019

Class of Instrument BA15  
Debt instruments

Tick Size not used

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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
BMTF Bloomberg (BLOM)	94,54 %	55,54 %	100,00 %	0,00 %	72,21 %
XSTU Stuttgart (EDS)	3,67 %	30,87 %	100,00 %	0,00 %	91,88 %
XFRA Frankfurt (EDF)	1,40 %	11,87 %	100,00 %	0,00 %	14,44 %
XHAN Hannover (EDI)	0,29 %	0,92 %	100,00 %	0,00 %	42,86 %
XDUS Düsseldorf (EDD)	0,04 %	0,13 %	100,00 %	0,00 %	100,00 %



## Top 5 venue reporting regarding MIFID II professional clients financial year 2019

Class of Instrument BB99  
Structured financial products

Tick Size not used

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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
BMTF Bloomberg (BLOM)	100,00 %	100,00 %	100,00 %	0,00 %	25,00 %



## Top 5 venue reporting regarding MIFID II professional clients financial year 2019

Class of Instrument    BD10  
                                  other derivatives

Tick Size                not used

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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
XEUR EUREX (EDT)	97,23 %	93,65 %	100,00 %	0,00 %	6,43 %
XCBT Chicago (CBOT) (NAU)	2,77 %	6,35 %	100,00 %	0,00 %	0,00 %



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## Top 5 venue reporting regarding MIFID II professional clients financial year 2019

Class of Instrument      BD21  
Equity derivatives

Tick Size                not used

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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
XEUR EUREX (EDT)	93,66 %	93,07 %	100,00 %	0,00 %	3,36 %
XCBO Chicago (CBOE) (NAV)	2,98 %	3,11 %	100,00 %	0,00 %	2,25 %
XEUE Amsterdam D. (ENEXT) (ENH)	2,80 %	3,30 %	100,00 %	0,00 %	4,76 %
XPAR Paris Derivate (EFD)	0,45 %	0,40 %	100,00 %	0,00 %	4,35 %
IFLO London - ICE Fut. Eu (EUL1)	0,06 %	0,07 %	100,00 %	0,00 %	0,00 %



## Top 5 venue reporting regarding MIFID II professional clients financial year 2019

Class of Instrument    BD24  
                                  Currency derivatives

Tick Size                not used

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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
XCME Chicago (CME) (NAG)	100,00 %	100,00 %	100,00 %	0,00 %	17,78 %



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## Top 5 venue reporting regarding MIFID II professional clients financial year 2019

Class of Instrument    BD99  
                                  other derivatives

Tick Size                not used

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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
XEUR EUREX (EDT)	47,98 %	77,27 %	100,00 %	0,00 %	5,76 %
XCME Chicago (CME) (NAG)	46,84 %	7,62 %	100,00 %	0,00 %	17,14 %
XOSE Osaka (FJO)	2,82 %	1,69 %	100,00 %	0,00 %	11,43 %
XDMI Mailand-IDEM (EIM1)	0,73 %	0,65 %	100,00 %	0,00 %	7,41 %
IFUS New York-ICE Fut. U. (NAJ)	0,72 %	3,43 %	100,00 %	0,00 %	0,00 %



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## Top 5 venue reporting regarding MIFID II professional clients financial year 2019

Class of Instrument BE21  
securitized derivatives

Tick Size not used

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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
XSTU Stuttgart (EDS)	58,59 %	26,17 %	100,00 %	0,00 %	72,39 %
XFRA Frankfurt (EDF)	41,31 %	73,80 %	100,00 %	0,00 %	3,95 %
XQMH Zürich SWX Scoach (ESS)	0,10 %	0,02 %	100,00 %	0,00 %	0,00 %



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## Top 5 venue reporting regarding MIFID II professional clients financial year 2019

Class of Instrument BE22  
securitized derivatives

Tick Size not used

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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
XFRA Frankfurt (EDF)	80,32 %	88,76 %	100,00 %	0,00 %	1,27 %
XSTU Stuttgart (EDS)	17,78 %	10,11 %	100,00 %	0,00 %	66,67 %
XMIL Mailand (EIM)	1,90 %	1,12 %	100,00 %	0,00 %	100,00 %





## Top 5 venue reporting regarding MIFID II professional clients financial year 2019

Class of Instrument BE23  
securitized derivatives

Tick Size not used

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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
XFRA Frankfurt (EDF)	84,80 %	85,71 %	100,00 %	0,00 %	33,33 %
BMTF Bloomberg (BLOM)	15,20 %	14,29 %	100,00 %	0,00 %	100,00 %



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## Top 5 venue reporting regarding MIFID II professional clients financial year 2019

Class of Instrument BE24  
securitized derivatives

Tick Size not used

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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
XFRA Frankfurt (EDF)	52,83 %	71,43 %	100,00 %	0,00 %	0,00 %
XSTU Stuttgart (EDS)	47,17 %	28,57 %	100,00 %	0,00 %	100,00 %



## Top 5 venue reporting regarding MIFID II professional clients financial year 2019

Class of Instrument BE99  
securitized derivatives

Tick Size not used

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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
XFRA Frankfurt (EDF)	55,96 %	49,12 %	100,00 %	0,00 %	0,00 %
XDUS Düsseldorf (EDD)	26,52 %	34,21 %	100,00 %	0,00 %	94,87 %
XSTU Stuttgart (EDS)	17,52 %	16,67 %	100,00 %	0,00 %	73,68 %



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## Top 5 venue reporting regarding MIFID II professional clients financial year 2019

Class of Instrument      BF99  
Exchange traded products (ETPs)

Tick Size                not used

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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
XETR XETRA (EDE)	93,25 %	94,46 %	100,00 %	0,00 %	33,98 %
XSTU Stuttgart (EDS)	4,57 %	3,69 %	100,00 %	0,00 %	40,00 %
XLON London (EUL)	2,08 %	0,74 %	100,00 %	0,00 %	100,00 %
XFRA Frankfurt (EDF)	0,08 %	0,74 %	100,00 %	0,00 %	50,00 %
XHAM Hamburg (EDH)	0,01 %	0,37 %	100,00 %	0,00 %	0,00 %



## Top 5 venue reporting regarding MIFID II professional clients financial year 2019

Class of Instrument      BG99  
                                    Exchange traded products (ETPs)

Tick Size                    not used

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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
XETR XETRA (EDE)	100,00 %	100,00 %	100,00 %	0,00 %	0,00 %



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## Top 5 venue reporting regarding MIFID II professional clients financial year 2019

Class of Instrument C999  
no specific classification

Tick Size not used

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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
XNEC Sydney (AAS)	65,26 %	18,18 %	100,00 %	0,00 %	100,00 %
XSTU Stuttgart (EDS)	19,22 %	27,27 %	100,00 %	0,00 %	100,00 %
XMUN München (EDM)	6,42 %	6,06 %	100,00 %	0,00 %	100,00 %
XHAM Hamburg (EDH)	5,10 %	39,39 %	100,00 %	0,00 %	76,92 %
XSWX Zürich (ESE)	2,73 %	3,03 %	100,00 %	0,00 %	0,00 %



## Top 5 venue reporting regarding MIFID II professional clients financial year 2019

Class of Instrument CA99  
Debt instruments

Tick Size not used

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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
BMTF Bloomberg (BLOM)	83,38 %	93,33 %	100,00 %	0,00 %	100,00 %
XOSL Oslo (SNO)	16,62 %	6,67 %	100,00 %	0,00 %	0,00 %



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## Top 5 venue reporting regarding MIFID II professional clients financial year 2019

Class of Instrument      CB99  
                                    Other instruments

Tick Size                    not used

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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
XHAM Hamburg (EDH)	82,50 %	16,67 %	100,00 %	0,00 %	100,00 %
XSTU Stuttgart (EDS)	9,61 %	50,00 %	100,00 %	0,00 %	100,00 %
XHAN Hannover (EDI)	6,83 %	16,67 %	100,00 %	0,00 %	100,00 %
XFRA Frankfurt (EDF)	1,06 %	16,67 %	100,00 %	0,00 %	100,00 %