

Top 5-Reporting according to MIFID II/RTS 28
For Private Clients
Year 2022

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Class of Instrument	Equity (AA99)
Ticksize	AB
Notification if <1 average trade per business day in the previous year	No

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
Zürich	76,18%	42,38%	100,00%	0,00%	0,55%
New York-NYSE	10,99%	40,35%	100,00%	0,00%	4,06%
London	4,03%	4,98%	100,00%	0,00%	1,40%
New York-NASDAQ	3,50%	7,92%	100,00%	0,00%	2,68%
Xetra	1,27%	2,31%	100,00%	0,00%	7,70%
Others	4,03%	2,06%			
Total	100,00%	100,00%			

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Class of Instrument	Equity (AA99)
Ticksizes	CD
Notification if <1 average trade per business day in the previous year	No

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
New York-NYSE	51,67%	56,45%	100,00%	0,00%	1,29%
New York-NASDAQ	27,65%	26,64%	100,00%	0,00%	13,48%
Paris	6,95%	2,57%	100,00%	0,00%	5,39%
Xetra	6,52%	4,41%	100,00%	0,00%	15,67%
London	2,31%	1,17%	100,00%	0,00%	12,50%
Others	4,90%	8,77%			
Total	100,00%	100,00%			

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Class of Instrument	Equity (AA99)
Ticksize	EF
Notification if <1 average trade per business day in the previous year	No

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
New York-NYSE	21,17%	15,29%	100,00%	0,00%	2,56%
Xetra	18,66%	25,06%	100,00%	0,00%	2,60%
Paris	11,65%	6,68%	100,00%	0,00%	0,91%
New York-NASDAQ	10,55%	9,56%	100,00%	0,00%	7,35%
London	7,54%	5,97%	100,00%	0,00%	38,80%
Others	30,43%	37,44%			
Total	100,00%	100,00%			

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Class of Instrument	Equity (AA99)
Ticksize	--
Notification if <1 average trade per business day in the previous year	Yes

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
New York-NYSE	21,04%	43,75%	100,00%	0,00%	20,37%
New York-NASDAQ	53,74%	33,33%	100,00%	0,00%	0,00%
Zürich	4,10%	16,14%	100,00%	0,00%	0,33%
Sydney	19,01%	2,46%	100,00%	0,00%	0,00%
Busan	0,22%	1,78%	100,00%	0,00%	66,67%
Others	1,89%	2,54%			
Total	100,00%	100,00%			

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Class of Instrument	Equity certificates (AB99)
Ticksize	AB
Notification if <1 average trade per business day in the previous year	No

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
New York-NYSE	97,83%	97,71%	100,00%	0,00%	37,93%
New York-NASDAQ	1,17%	1,32%	100,00%	0,00%	69,66%
Frankfurt	0,32%	0,28%	100,00%	0,00%	100,00%
Stuttgart	0,25%	0,13%	100,00%	0,00%	88,89%
London	0,16%	0,34%	100,00%	0,00%	100,00%
Others	0,26%	0,21%			
Total	100,00%	100,00%			

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Class of Instrument	Equity certificates (AB99)
Ticksize	CD
Notification if <1 average trade per business day in the previous year	No

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
New York-NYSE	96,37%	95,80%	100,00%	0,00%	30,21%
Frankfurt	2,34%	1,43%	100,00%	0,00%	90,00%
Xetra	0,59%	1,53%	100,00%	0,00%	93,75%
New York-NASDAQ	0,32%	0,48%	100,00%	0,00%	0,00%
Paris	0,20%	0,05%	100,00%	0,00%	0,00%
Others	0,18%	0,72%			
Total	100,00%	100,00%			

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Class of Instrument	Equity certificates (AB99)
Ticksize	EF
Notification if <1 average trade per business day in the previous year	No

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
Xetra	82,68%	69,93%	100,00%	0,00%	1,51%
New York-NASDAQ	17,20%	29,88%	100,00%	0,00%	2,25%
Frankfurt	0,12%	0,19%	100,00%	0,00%	100,00%
Others	0,00%	0,00%			
Total	100,00%	100,00%			

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Class of Instrument Equity certificates (AB99)
 Ticksizes --
 Notification if <1 average trade per business day in the previous year Yes

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
New York-NASDAQ	100,00%	100,00%	100,00%	0,00%	0,00%
Others	0,00%	0,00%			
Total	100,00%	100,00%			

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Class of Instrument	Exchange Traded Funds (AC99)
Ticksize	--
Notification if <1 average trade per business day in the previous year	No

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
Bloomberg MTF	90,48%	72,97%	100,00%	0,00%	4,62%
Xetra	8,90%	26,03%	100,00%	0,00%	42,32%
Zürich	0,14%	0,03%	100,00%	0,00%	0,00%
London	0,13%	0,33%	100,00%	0,00%	3,19%
New York - Arca	0,07%	0,17%	100,00%	0,00%	37,23%
Others	0,28%	0,47%			
Total	100,00%	100,00%			

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Class of Instrument Certificates (AD99)
 Ticksizes --
 Notification if <1 average trade per business day in the previous year No

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
Zürich	95,39%	98,96%	100,00%	0,00%	6,32%
Frankfurt	4,61%	1,04%	100,00%	0,00%	40,00%
Andere	0,00%	0,00%			
Total	100,00%	100,00%			

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Class of Instrument	other equity related instruments (AE99)
Ticksize	--
Notification if <1 average trade per business day in the previous year	Yes

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
Zürich	94,81%	42,42%	100,00%	0,00%	5,00%
Stuttgart	2,56%	0,91%	100,00%	0,00%	33,33%
Stockholm	1,46%	15,45%	100,00%	0,00%	0,00%
Bloomberg MTF	0,30%	0,30%	100,00%	0,00%	0,00%
London	0,29%	21,21%	100,00%	0,00%	0,00%
Others	0,58%	19,70%			
Total	100,00%	100,00%			

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Class of Instrument	Government bonds (BA10)
Ticksize	--
Notification if <1 average trade per business day in the previous year	No

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
Bloomberg MTF	99,13%	92,79%	100,00%	0,00%	0,23%
Stuttgart	0,87%	7,21%	100,00%	0,00%	2,31%
Others	0,00%	0,00%			
Total	100,00%	100,00%			

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Class of Instrument	Other bonds (BA11)
Ticksiz	--
Notification if <1 average trade per business day in the previous year	Yes

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
Bloomberg MTF	99,90%	99,71%	100,00%	0,00%	0,15%
Stuttgart	0,10%	0,29%	100,00%	0,00%	0,00%
Others	0,00%	0,00%			
Total	100,00%	100,00%			

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Class of Instrument	Convertibles (BA12)
Ticksizes	--
Notification if <1 average trade per business day in the previous year	Yes

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
Bloomberg MTF	90,48%	66,67%	100,00%	0,00%	0,00%
Frankfurt	9,52%	33,33%	100,00%	0,00%	50,00%
Others	0,00%	0,00%			
Total	100,00%	100,00%			

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Class of Instrument	Debentures (BA13)
Ticksiz	--
Notification if <1 average trade per business day in the previous year	Yes

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
Bloomberg MTF	99,57%	97,55%	100,00%	0,00%	0,06%
Stuttgart	0,43%	2,45%	100,00%	0,00%	0,00%
Others	0,00%	0,00%			
Total	100,00%	100,00%			

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Class of Instrument	Corporate Bonds (BA14)
Ticksiz	--
Notification if <1 average trade per business day in the previous year	No

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
Bloomberg MTF	74,71%	37,45%	100,00%	0,00%	1,57%
Stuttgart	21,44%	61,02%	100,00%	0,00%	2,45%
München	1,84%	0,08%	100,00%	0,00%	75,00%
Frankfurt	1,32%	1,21%	100,00%	0,00%	21,88%
New York-NYSE	0,45%	0,13%	100,00%	0,00%	28,57%
Others	0,25%	0,12%			
Total	100,00%	100,00%			

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Class of Instrument	Other Bonds (BA15)
Ticksiz	--
Notification if <1 average trade per business day in the previous year	No

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
Bloomberg MTF	92,08%	65,64%	100,00%	0,00%	1,81%
Stuttgart	7,48%	33,89%	100,00%	0,00%	1,75%
Hamburg	0,25%	0,36%	100,00%	0,00%	100,00%
Frankfurt	0,20%	0,12%	100,00%	0,00%	0,00%
Others	0,00%	0,00%			
Total	100,00%	100,00%			

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Class of Instrument Structured Products (BB99)
 Ticksizes --
 Notification if <1 average trade per business day in the previous year No

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
Frankfurt	100,00%	100,00%	100,00%	0,00%	100,00%
Others	0,00%	0,00%			
Total	100,00%	100,00%			

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Class of Instrument	Securitized equity derivatives (BE21)
Ticksize	--
Notification if <1 average trade per business day in the previous year	No

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
Stuttgart	71,76%	80,71%	100,00%	0,00%	2,17%
Frankfurt	28,20%	19,27%	100,00%	0,00%	6,09%
Bloomberg MTF	0,03%	0,01%	100,00%	0,00%	0,00%
Zürich-Scoach	0,01%	0,01%	100,00%	0,00%	0,00%
Others	0,00%	0,00%			
Total	100,00%	100,00%			

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Class of Instrument	Securitized commodity derivatives (BE22)
Ticksize	--
Notification if <1 average trade per business day in the previous year	Yes

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
Stuttgart	99,74%	99,64%	100,00%	0,00%	0,42%
Xetra	0,21%	0,24%	100,00%	0,00%	0,00%
London	0,05%	0,12%	100,00%	0,00%	0,00%
Others	0,00%	0,00%			
Total	100,00%	100,00%			

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Class of Instrument	Securitized derivatives (BE99)
Ticksize	--
Notification if <1 average trade per business day in the previous year	Yes

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
Stuttgart	68,28%	25,96%	100,00%	0,00%	8,20%
Bloomberg MTF	13,58%	39,15%	100,00%	0,00%	9,78%
Xetra	11,41%	26,81%	100,00%	0,00%	93,65%
Frankfurt	4,69%	5,11%	100,00%	0,00%	58,33%
Düsseldorf	0,80%	0,43%	100,00%	0,00%	0,00%
Others	1,24%	2,56%			
Total	100,00%	100,00%			

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Class of Instrument	ETPs (BF99)
Ticksize	--
Notification if <1 average trade per business day in the previous year	No

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
Bloomberg MTF	78,74%	41,94%	100,00%	0,00%	0,39%
Xetra	17,05%	50,99%	100,00%	0,00%	11,94%
London	2,14%	1,64%	100,00%	0,00%	0,00%
Stuttgart	1,69%	2,80%	100,00%	0,00%	29,41%
Paris	0,29%	2,30%	100,00%	0,00%	0,00%
Others	0,10%	0,33%			
Total	100,00%	100,00%			

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Class of Instrument ETNs (BG99)
 Ticksizes --
 Notification if <1 average trade per business day in the previous year No

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
Bloomberg MTF	99,99%	99,45%	100,00%	0,00%	23,08%
Xetra	0,01%	0,55%	100,00%	0,00%	100,00%
Others	0,00%	0,00%			
Total	100,00%	100,00%			

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Class of Instrument without further disclosure (C999)

Ticksize --

Notification if <1 average trade per business day in the previous year No

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
Stuttgart	85,93%	50,00%	100,00%	0,00%	68,18%
Frankfurt	8,63%	18,18%	100,00%	0,00%	37,50%
Hamburg	5,44%	31,82%	100,00%	0,00%	57,14%
Others	0,00%	0,00%			
Total	100,00%	100,00%			

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Class of Instrument ETD (BD)

Ticksize --

Notification if <1 average trade per business day in the previous year No

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
Eurex	75,49%	49,68%	100,00%	0,00%	0,00%
Chicago Mercantile	21,68%	24,84%	100,00%	0,00%	0,00%
London	1,64%	7,49%	100,00%	0,00%	0,00%
Singapur	1,18%	3,21%	100,00%	0,00%	0,00%
Chicago Board Option	0,01%	14,13%	100,00%	0,00%	0,00%
Others	0,00%	0,64%			
Total	100,00%	100,00%			