

Top 5-Reporting according to MIFID II/RTS 28  
For Institutional Clients  
Year 2021

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Class of Instrument Equities (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
New York-NASDAQ	26,02%	22,32%	100,00%	0,00%	0,04%
New York-NYSE	19,67%	15,68%	100,00%	0,00%	0,11%
Zürich	17,86%	5,56%	100,00%	0,00%	0,00%
London	6,63%	4,33%	100,00%	0,00%	0,09%
Xetra	6,02%	2,61%	100,00%	0,00%	0,20%
<b>Others</b>	<b>23,81%</b>	<b>49,50%</b>			
<b>Total</b>	<b>100,00%</b>	<b>100,00%</b>			

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Class of Instrument Equities (AA99)  
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
Xetra	41,36%	27,81%	100,00%	0,00%	0,08%
New York-NYSE	8,12%	10,96%	100,00%	0,00%	0,10%
New York-NASDAQ	8,07%	7,91%	100,00%	0,00%	1,00%
Paris	6,83%	4,30%	100,00%	0,00%	0,00%
London	6,61%	4,31%	100,00%	0,00%	0,38%
<b>Others</b>	<b>29,02%</b>	<b>44,71%</b>			
<b>Total</b>	<b>100,00%</b>	<b>100,00%</b>			

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Class of Instrument Equities (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-NASDAQ	26,17%	18,00%	100,00%	0,00%	0,04%
New York-NYSE	26,14%	28,61%	100,00%	0,00%	0,03%
Xetra	19,63%	21,56%	100,00%	0,00%	0,51%
Paris	6,40%	5,02%	100,00%	0,00%	0,14%
Amsterdam	4,43%	2,72%	100,00%	0,00%	0,37%
<b>Others</b>	<b>17,23%</b>	<b>24,10%</b>			
<b>Total</b>	<b>100,00%</b>	<b>100,00%</b>			

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Class of Instrument	Equities (AA99)
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
New York-NASDAQ	50,05%	51,26%	100,00%	0,00%	0,01%
New York-NYSE	25,06%	16,16%	100,00%	0,00%	0,02%
Sydney	5,73%	6,60%	100,00%	0,00%	0,03%
Toronto TSE	3,76%	2,06%	100,00%	0,00%	0,00%
Hongkong	1,74%	2,57%	100,00%	0,00%	0,15%
<b>Others</b>	<b>13,67%</b>	<b>21,36%</b>			
<b>Total</b>	<b>100,00%</b>	<b>100,00%</b>			

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Class of Instrument	Equity certificates (AB99)
Ticksizes	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-NASDAQ	57,19%	76,25%	100,00%	0,00%	0,00%
New York-NYSE	30,61%	18,97%	100,00%	0,00%	0,08%
London	5,86%	2,18%	100,00%	0,00%	0,18%
New York-OTC	3,22%	0,37%	100,00%	0,00%	0,00%
Sydney	1,34%	1,36%	100,00%	0,00%	0,00%
<b>Others</b>	<b>1,78%</b>	<b>0,88%</b>			
<b>Total</b>	<b>100,00%</b>	<b>100,00%</b>			

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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	76,16%	80,48%	100,00%	0,00%	2,07%
New York-NASDAQ	14,23%	14,35%	100,00%	0,00%	0,00%
Luxemburg	3,34%	1,62%	100,00%	0,00%	0,00%
London	3,10%	2,42%	100,00%	0,00%	4,85%
Xetra	1,44%	0,92%	100,00%	0,00%	92,31%
<b>Others</b>	<b>1,73%</b>	<b>0,21%</b>			
<b>Total</b>	<b>100,00%</b>	<b>100,00%</b>			

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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
New York-NASDAQ	83,81%	47,72%	100,00%	0,00%	5,77%
Xetra	15,11%	49,62%	100,00%	0,00%	0,19%
Luxemburg	1,08%	2,66%	100,00%	0,00%	0,00%
<b>Others</b>	<b>0,00%</b>	<b>0,00%</b>			
<b>Total</b>	<b>100,00%</b>	<b>100,00%</b>			

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Class of Instrument	Equity certificates (AB99)
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
New York-NYSE	58,07%	66,86%	100,00%	0,00%	0,00%
New York-NASDAQ	41,93%	33,14%	100,00%	0,00%	0,00%
<b>Others</b>	<b>0,00%</b>	<b>0,00%</b>			
<b>Total</b>	<b>100,00%</b>	<b>100,00%</b>			

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Class of Instrument	Exchange Traded Funds (AC99)
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	91,83%	63,43%	100,00%	0,00%	5,31%
Paris	3,12%	0,71%	100,00%	0,00%	0,00%
Xetra	2,85%	25,02%	100,00%	0,00%	13,83%
London	1,53%	1,19%	100,00%	0,00%	1,92%
Zürich	0,26%	0,21%	100,00%	0,00%	0,00%
<b>Others</b>	<b>0,41%</b>	<b>9,44%</b>			
<b>Total</b>	<b>100,00%</b>	<b>100,00%</b>			

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Class of Instrument Certificates (AD99)  
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	99,59%	99,67%	100,00%	0,00%	0,00%
Hamburg	0,41%	0,33%	100,00%	0,00%	0,00%
<b>Others</b>	<b>0,00%</b>	<b>0,00%</b>			
<b>Total</b>	<b>100,00%</b>	<b>100,00%</b>			

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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 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	46,23%	12,36%	100,00%	0,00%	0,00%
Xetra	35,72%	62,47%	100,00%	0,00%	1,39%
Stuttgart	6,40%	0,43%	100,00%	0,00%	50,00%
Madrid-Merc.Cont.	4,82%	13,67%	100,00%	0,00%	77,78%
Paris	4,48%	9,76%	100,00%	0,00%	86,67%
<b>Others</b>	<b>2,36%</b>	<b>1,31%</b>			
<b>Total</b>	<b>100,00%</b>	<b>100,00%</b>			

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Class of Instrument	Government bonds (BA10)
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	98,47%	93,33%	100,00%	0,00%	0,79%
Stuttgart	1,53%	6,67%	100,00%	0,00%	0,00%
<b>Others</b>	<b>0,00%</b>	<b>0,00%</b>			
<b>Total</b>	<b>100,00%</b>	<b>100,00%</b>			

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Class of Instrument Other bonds (BA11)  
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
Bloomberg MTF	89,82%	83,33%	100,00%	0,00%	0,00%
Stuttgart	10,18%	16,67%	100,00%	0,00%	0,00%
<b>Others</b>	<b>0,00%</b>	<b>0,00%</b>			
<b>Total</b>	<b>100,00%</b>	<b>100,00%</b>			

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Class of Instrument	Convertibles (BA12)
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
Bloomberg MTF	86,03%	75,00%	100,00%	0,00%	0,00%
Stuttgart	7,66%	16,67%	100,00%	0,00%	0,00%
Frankfurt	6,31%	8,33%	100,00%	0,00%	100,00%
<b>Others</b>	<b>0,00%</b>	<b>0,00%</b>			
<b>Total</b>	<b>100,00%</b>	<b>100,00%</b>			

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

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	100,00%	100,00%	100,00%	0,00%	0,00%
<b>Others</b>	<b>0,00%</b>	<b>0,00%</b>			
<b>Total</b>	<b>100,00%</b>	<b>100,00%</b>			

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Class of Instrument	Corporate Bonds (BA14)
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	92,13%	60,69%	100,00%	0,00%	5,26%
Stuttgart	6,70%	34,40%	100,00%	0,00%	2,86%
Berlin	0,39%	0,98%	100,00%	0,00%	0,00%
Frankfurt	0,39%	2,21%	100,00%	0,00%	11,11%
Luxemburg	0,15%	0,49%	100,00%	0,00%	0,00%
<b>Others</b>	<b>0,25%</b>	<b>1,23%</b>			
<b>Total</b>	<b>100,00%</b>	<b>100,00%</b>			

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Class of Instrument	Other Bonds (BA15)
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
Bloomberg MTF	75,19%	55,88%	100,00%	0,00%	0,00%
Stuttgart	23,25%	41,18%	100,00%	0,00%	0,00%
Frankfurt	1,56%	2,94%	100,00%	0,00%	100,00%
<b>Others</b>	<b>0,00%</b>	<b>0,00%</b>			
<b>Total</b>	<b>100,00%</b>	<b>100,00%</b>			

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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	98,07%	91,08%	100,00%	0,00%	6,03%
Frankfurt	1,19%	8,24%	100,00%	0,00%	13,89%
Zürich-Scoach	0,73%	0,23%	100,00%	0,00%	0,00%
Amsterdam	0,01%	0,46%	100,00%	0,00%	0,00%
<b>Others</b>	<b>0,00%</b>	<b>0,00%</b>			
<b>Total</b>	<b>100,00%</b>	<b>100,00%</b>			

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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
Bloomberg MTF	64,86%	40,63%	100,00%	0,00%	0,00%
Stuttgart	35,14%	59,38%	100,00%	0,00%	0,00%
<b>Others</b>	<b>0,00%</b>	<b>0,00%</b>			
<b>Total</b>	<b>100,00%</b>	<b>100,00%</b>			

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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
Xetra	49,95%	88,57%	100,00%	0,00%	2,02%
Bloomberg MTF	17,85%	5,71%	100,00%	0,00%	6,25%
Stockholm	16,97%	1,79%	100,00%	0,00%	0,00%
Stuttgart	14,83%	3,57%	100,00%	0,00%	0,00%
New York-NASDAQ GM	0,40%	0,36%	100,00%	0,00%	0,00%
<b>Others</b>	<b>0,00%</b>	<b>0,00%</b>			
<b>Total</b>	<b>100,00%</b>	<b>100,00%</b>			

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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	80,59%	25,56%	100,00%	0,00%	1,25%
Xetra	18,47%	72,84%	100,00%	0,00%	0,00%
Stuttgart	0,60%	1,28%	100,00%	0,00%	25,00%
London	0,33%	0,32%	100,00%	0,00%	100,00%
<b>Others</b>	<b>0,00%</b>	<b>0,00%</b>			
<b>Total</b>	<b>100,00%</b>	<b>100,00%</b>			

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Class of Instrument	ETNs (BG99)
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
Xetra	100,00%	100,00%	100,00%	0,00%	0,00%
<b>Others</b>	<b>0,00%</b>	<b>0,00%</b>			
<b>Total</b>	<b>100,00%</b>	<b>100,00%</b>			

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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
Sydney	100,00%	100,00%	100,00%	0,00%	0,00%
<b>Others</b>	<b>0,00%</b>	<b>0,00%</b>			
<b>Total</b>	<b>100,00%</b>	<b>100,00%</b>			

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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	73,74%	39,13%	100,00%	0,00%	0,00%
Chicago Mercantile	23,47%	20,96%	100,00%	0,00%	0,00%
London	1,60%	5,43%	100,00%	0,00%	0,00%
Singapur	1,15%	2,33%	100,00%	0,00%	0,00%
Chicago Board Option	0,03%	30,90%	100,00%	0,00%	0,00%
<b>Others</b>	<b>0,00%</b>	<b>1,24%</b>			
<b>Total</b>	<b>100,00%</b>	<b>100,00%</b>			