



Top 5 intermediaries reporting regarding MIFID II professional clients financial year 2018

Class of Instrument AA99
Equity instruments- Shar

Tick Size not used

Information on whether an average of < 1 trade per business day was executed 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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Goldman Sachs Int Ldn (W22LROWP2IHZNBB6K528)	80,62%	91,98%	100,00%	0,00%	100,00%
Morgan Stanley Co Int Ldn (4PQUHN3JPF GFNF3BB653)	19,38%	8,02%	100,00%	0,00%	100,00%



M.M. WARBURG & CO

BANK

Top 5 intermediaries reporting regarding MIFID II professional clients financial year 2018

Class of Instrument	AA99				
	Equity instruments- Shar				
Tick Size	liquidity band A and liquidity band B				
Information on whether an average of < 1 trade per business day was executed 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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
(213800ZIRB79BE5XQM68)	55,15%	23,99%	100,00%	0,00%	100,00%
Morgan Stanley Co Int Ldn (4PQUHN3JPF GFNF3BB653)	23,80%	30,56%	100,00%	0,00%	100,00%
Goldman Sachs Int Ldn (W22LROWP2IHZNBB6K528)	9,17%	11,13%	100,00%	0,00%	100,00%
UBS Ltd Ldn (5299007QVIQ7IO64NX37)	3,90%	8,68%	100,00%	0,00%	100,00%
Virtu ITG Europe Limited (213800EEC95PRUCEUP63)	3,83%	2,07%	100,00%	0,00%	100,00%



Top 5 intermediaries reporting regarding MIFID II professional clients financial year 2018

Class of Instrument AA99
Equity instruments- Shar

Tick Size liquidity band C and liquidity band D

Information on whether an average of < 1 trade per business day was executed 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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
(213800ZIRB79BE5XQM68)	48,50%	25,03%	100,00%	0,00%	100,00%
Morgan Stanley Co Int Ldn (4PQUHN3JPF GFNF3BB653)	28,52%	43,66%	100,00%	0,00%	100,00%
Goldman Sachs Int Ldn (W22LROWP2IHZNBB6K528)	17,63%	22,39%	100,00%	0,00%	100,00%
UBS Ltd Ldn (5299007QVIQ7IO64NX37)	2,56%	5,85%	100,00%	0,00%	100,00%
Kepler Cheuvreux S.A. (9695005EOZG9X8IRJD84)	0,73%	1,22%	100,00%	0,00%	100,00%



Top 5 intermediaries reporting regarding MIFID II professional clients financial year 2018

Class of Instrument	AA99				
	Equity instruments- Shar				
Tick Size	liquidity band E and liquidity band F				
Information on whether an average of < 1 trade per business day was executed 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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Morgan Stanley Co Int Ldn (4PQUHN3JPF GFNF3BB653)	59,38%	55,44%	100,00%	0,00%	100,00%
(213800ZIRB79BE5XQM68)	16,31%	10,11%	100,00%	0,00%	100,00%
Goldman Sachs Int Ldn (W22LROWP2IHZNBB6K528)	9,33%	12,02%	100,00%	0,00%	100,00%
Citigroup Glob Mark Ltd Ldn (XKZZ2JZF41MRHTR1V493)	5,51%	3,11%	100,00%	0,00%	100,00%
UBS Ltd Ldn (5299007QVIQ7IO64NX37)	2,71%	9,17%	100,00%	0,00%	100,00%



Top 5 intermediaries reporting regarding MIFID II professional clients financial year 2018

Class of Instrument AB99
Equity instruments- Shar

Tick Size not used

Information on whether an average of < 1 trade per business day was executed 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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Morgan Stanley Co Int Ldn (4PQUHN3JPFGFNF3BB653)	100,00%	100,00%	100,00%	0,00%	100,00%



M.M. WARBURG & CO

BANK

Top 5 intermediaries reporting regarding MIFID II professional clients financial year 2018

Class of Instrument	AB99				
	Equity instruments- Shar				
Tick Size	liquidity band A and liquidity band B				
Information on whether an average of < 1 trade per business day was executed 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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Morgan Stanley Co Int Ldn (4PQUHN3JPF GFNF3BB653)	71,62%	45,33%	100,00%	0,00%	100,00%
(213800ZIRB79BE5XQM68)	20,71%	44,33%	100,00%	0,00%	100,00%
Goldman Sachs Int Ldn (W22LROWP2IHZNBB6K528)	7,47%	9,33%	100,00%	0,00%	100,00%
Citigroup Glob Mark Ltd Ldn (XKZZ2JZF41MRHTR1V493)	0,20%	1,01%	100,00%	0,00%	100,00%



M.M. WARBURG & CO

BANK

Top 5 intermediaries reporting regarding MIFID II professional clients financial year 2018

Class of Instrument AB99
Equity instruments- Shar

Tick Size liquidity band C and liquidity band D

Information on whether an average of < 1 trade per business day was executed 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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Morgan Stanley Co Int Ldn (4PQUHN3JPF GFNF3BB653)	79,46%	77,80%	100,00%	0,00%	100,00%
Cantor Fitzgerald Ldn (549300KM6VUHPKQLQX53)	18,73%	13,00%	100,00%	0,00%	100,00%
Citigroup Glob Mark Ltd Ldn (XKZZ2JZF41MRHTR1V493)	1,81%	9,20%	100,00%	0,00%	100,00%



Top 5 intermediaries reporting regarding MIFID II professional clients financial year 2018

Class of Instrument AB99
Equity instruments- Shar

Tick Size liquidity band E and liquidity band F

Information on whether an average of < 1 trade per business day was executed 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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Morgan Stanley Co Int Ldn (4PQUHN3JPFGFNF3BB653)	100,00%	100,00%	100,00%	0,00%	100,00%



Top 5 intermediaries reporting regarding MIFID II professional clients financial year 2018

Class of Instrument	AC99				
	Exchange traded product				
Tick Size	not used				
Information on whether an average of < 1 trade per business day was executed 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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Morgan Stanley Co Int Ldn (4PQUHN3JPF GFNF3BB653)	97,54%	97,56%	100,00%	0,00%	100,00%
Citigroup Glob Mark Ltd Ldn (XKZZ2JZF41MRHTR1V493)	2,12%	1,57%	100,00%	0,00%	100,00%
Goldman Sachs Int Ldn (W22LROWP2IHZNBB6K528)	0,28%	0,19%	100,00%	0,00%	100,00%
(213800ZIRB79BE5XQM68)	0,06%	0,67%	100,00%	0,00%	100,00%



Top 5 intermediaries reporting regarding MIFID II professional clients financial year 2018

Class of Instrument	AD99 other instruments					
Tick Size	liquidity band A and liquidity band B					
Information on whether an average of < 1 trade per business day was executed 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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
(213800ZIRB79BE5XQM68)	57,40%	56,69%	100,00%	0,00%	100,00%	
Morgan Stanley Co Int Ldn (4PQUHN3JPF GFNF3BB653)	18,32%	18,73%	100,00%	0,00%	100,00%	
Goldman Sachs Int Ldn (W22LROWP2IHZNBB6K528)	17,25%	17,11%	100,00%	0,00%	100,00%	
UBS Ltd Ldn (5299007QVIQ7IO64NX37)	4,55%	4,75%	100,00%	0,00%	100,00%	
Virtu ITG Europe Limited (213800EEC95PRUCEUP63)	2,24%	2,47%	100,00%	0,00%	100,00%	



M.M. WARBURG & CO

BANK

Top 5 intermediaries reporting regarding MIFID II professional clients financial year 2018

Class of Instrument AE99
other instruments

Tick Size not used

Information on whether an average of < 1 trade per business day was executed 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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
OCTO FINANCES SA (969500378YE4MLGK0898)	43,06%	41,08%	100,00%	0,00%	100,00%
Goldman Sachs Int Ldn (W22LROWP2IHZNBB6K528)	27,43%	26,60%	100,00%	0,00%	100,00%
Jefferies International LTD (S5THZMDUJCTQZBTRVI98)	14,27%	14,61%	100,00%	0,00%	100,00%
Rabobk Intern Utrecht (DG3RU1DBUFHT4ZF9WN62)	8,34%	7,96%	100,00%	0,00%	100,00%
HSBC Trinkaus Dssd (JUNT405OW8OY5GN4DX16)	6,00%	5,85%	100,00%	0,00%	100,00%



Top 5 intermediaries reporting regarding MIFID II professional clients financial year 2018

Class of Instrument AE99
other instruments

Tick Size liquidity band A and liquidity band B

Information on whether an average of < 1 trade per business day was executed 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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
(213800ZIRB79BE5XQM68)	84,04%	21,27%	100,00%	0,00%	100,00%
Morgan Stanley Co Int Ldn (4PQUHN3JPF GFNF3BB653)	14,50%	67,43%	100,00%	0,00%	100,00%
Citigroup Glob Mark Ltd Ldn (XKZZ2JZF41MRHTR1V493)	1,47%	11,30%	100,00%	0,00%	100,00%



Top 5 intermediaries reporting regarding MIFID II professional clients financial year 2018

Class of Instrument BA10
Debt instruments

Tick Size not used

Information on whether an average of < 1 trade per business day was executed 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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Citigroup Glob Mark Ltd Ldn (XKZZ2JZF41MRHTR1V493)	16,08%	14,88%	100,00%	0,00%	100,00%
Barclays Bk PLC Ldn (G5GSEF7VJP5I7OUK5573)	13,12%	11,26%	100,00%	0,00%	100,00%
Natwest Markets PLC Ldn (RR3QWICWWIPCS8A4S074)	11,23%	9,99%	100,00%	0,00%	100,00%
J P Morgan Securities plc (K6Q0W1PS1L1O4IQL9C32)	6,41%	6,28%	100,00%	0,00%	100,00%
Deutsche Bk Ffm (7LTFWZYICNSX8D621K86)	5,29%	4,36%	100,00%	0,00%	100,00%



Top 5 intermediaries reporting regarding MIFID II professional clients financial year 2018

Class of Instrument	BA11				
	Debt instruments				
Tick Size	not used				
Information on whether an average of < 1 trade per business day was executed 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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Goldman Sachs Int Ldn (W22LROWP2IHZNBB6K528)	12,23%	9,35%	100,00%	0,00%	100,00%
NORD LB Hann (DSNHHQ2B9X5N6OUJ1236)	11,38%	8,67%	100,00%	0,00%	100,00%
Citigroup Glob Mark Ltd Ldn (XKZZ2JZF41MRHTR1V493)	11,17%	13,21%	100,00%	0,00%	100,00%
Rabobk Intern Utrecht (DG3RU1DBUFHT4ZF9WN62)	9,10%	6,89%	100,00%	0,00%	100,00%
BayernLB Mue (VDYMYTQGZZ6DU0912C88)	8,33%	6,19%	100,00%	0,00%	100,00%



Top 5 intermediaries reporting regarding MIFID II professional clients financial year 2018

Class of Instrument BA12
Debt instruments

Tick Size not used

Information on whether an average of < 1 trade per business day was executed 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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
UniCredit Bank AG Mün (2ZCNRR8UK83OBTEK2170)	46,77%	51,06%	100,00%	0,00%	100,00%
DAIWA Secu SMBC Europ Ltd (MIM2K09LFYD4IB163W58)	15,08%	10,64%	100,00%	0,00%	100,00%
Kepler Cheuvreux S.A. (9695005EOZG9X8IRJD84)	10,55%	12,77%	100,00%	0,00%	100,00%
Citigroup Glob Mark Ltd Ldn (XKZZ2JZF41MRHTR1V493)	7,68%	8,51%	100,00%	0,00%	100,00%
Intesa Sanpaolo S.p.A. (2W8N8UU78PMDQKZENC08)	7,53%	8,51%	100,00%	0,00%	100,00%



M.M. WARBURG & CO

BANK

Top 5 intermediaries reporting regarding MIFID II professional clients financial year 2018

Class of Instrument BA13
Debt instruments

Tick Size not used

Information on whether an average of < 1 trade per business day was executed 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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
J P Morgan Securities plc (K6Q0W1PS1L1O4IQL9C32)	15,94%	16,28%	100,00%	0,00%	100,00%
Banco Santander S A (5493006QMFDDMYWIAM13)	10,04%	10,07%	100,00%	0,00%	100,00%
Barclays Bk PLC Ldn (G5GSEF7VJP5I7OUK5573)	9,45%	9,13%	100,00%	0,00%	100,00%
Commerzbank AG Ffm (851WYG NLUQLFZBSYGB56)	7,79%	7,90%	100,00%	0,00%	100,00%
BNP Paribas Paris (R0MUWSFPU8MPRO8K5P83)	6,81%	6,84%	100,00%	0,00%	100,00%



M.M. WARBURG & CO

BANK

Top 5 intermediaries reporting regarding MIFID II professional clients financial year 2018

Class of Instrument BA14
Debt instruments

Tick Size not used

Information on whether an average of < 1 trade per business day was executed 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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Merrill Lynch International (GGDZP1UYGU9STUHRDP48)	6,45%	6,42%	100,00%	0,00%	100,00%
DZ Bank AG (529900HNOAA1KXQJUQ27)	6,07%	6,35%	100,00%	0,00%	100,00%
Mizuho International plc (213800HZ54TG54H2KV03)	5,89%	5,95%	100,00%	0,00%	100,00%
Citigroup Glob Mark Ltd Ldn (XKZZ2JZF41MRHTR1V493)	5,53%	5,33%	100,00%	0,00%	100,00%
J P Morgan Securities plc (K6Q0W1PS1L1O4IQL9C32)	5,27%	5,16%	100,00%	0,00%	100,00%



M.M. WARBURG & CO
BANK

Top 5 intermediaries reporting regarding MIFID II professional clients financial year 2018

Class of Instrument	BA15				
	Debt instruments				
Tick Size	not used				
Information on whether an average of < 1 trade per business day was executed 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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
BayernLB Mue (VDYMYTQGZZ6DU0912C88)	10,40%	9,60%	100,00%	0,00%	100,00%
Commerzbank AG Ffm (851WYGNLUQLFZBSYGB56)	9,05%	8,97%	100,00%	0,00%	100,00%
Rabobk Intern Utrecht (DG3RU1DBUFHT4ZF9WN62)	7,25%	7,15%	100,00%	0,00%	100,00%
Landesbk Hessen-Thüri Ffm (DIZES5CFO5K3I5R58746)	6,01%	6,04%	100,00%	0,00%	100,00%
BNP Paribas Paris (R0MUWSFPU8MPRO8K5P83)	5,95%	6,26%	100,00%	0,00%	100,00%



M.M. WARBURG & CO

BANK

Top 5 intermediaries reporting regarding MIFID II professional clients financial year 2018

Class of Instrument	BB99				
	Structured financial prod				
Tick Size	not used				
Information on whether an average of < 1 trade per business day was executed 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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Banco de Sabadell Sabadell (SI5RG2M0WQQLZCXKRM20)	35,61%	41,67%	100,00%	0,00%	100,00%
Deutsche Bk Ffm (7LTFZYICNSX8D621K86)	32,31%	20,83%	100,00%	0,00%	100,00%
J P Morgan Securities plc (K6Q0W1PS1L1O4IQL9C32)	32,08%	37,50%	100,00%	0,00%	100,00%



Top 5 intermediaries reporting regarding MIFID II professional clients financial year 2018

Class of Instrument BD10
 other derivatives

Tick Size not used

Information on whether an average of < 1 trade per business day was executed 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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
J P Morgan Securities plc (K6Q0W1PS1L1O4IQL9C32)	100,00%	100,00%	100,00%	0,00%	100,00%



Top 5 intermediaries reporting regarding MIFID II professional clients financial year 2018

Class of Instrument BD21
Equity derivatives

Tick Size not used

Information on whether an average of < 1 trade per business day was executed 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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
J P Morgan Securities plc (K6Q0W1PS1L1O4IQL9C32)	100,00%	100,00%	100,00%	0,00%	100,00%



Top 5 intermediaries reporting regarding MIFID II professional clients financial year 2018

Class of Instrument BD24
 Currency derivatives

Tick Size not used

Information on whether an average of < 1 trade per business day was executed 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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
J P Morgan Securities plc (K6Q0W1PS1L1O4IQL9C32)	100,00%	100,00%	100,00%	0,00%	100,00%



Top 5 intermediaries reporting regarding MIFID II professional clients financial year 2018

Class of Instrument BD99
 other derivatives

Tick Size not used

Information on whether an average of < 1 trade per business day was executed 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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
J P Morgan Securities plc (K6Q0W1PS1L1O4IQL9C32)	100,00%	100,00%	100,00%	0,00%	100,00%



M.M. WARBURG & CO

BANK

Top 5 intermediaries reporting regarding MIFID II professional clients financial year 2018

Class of Instrument BE21
securitized derivatives

Tick Size not used

Information on whether an average of < 1 trade per business day was executed 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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
NATIXIS S A (KX1WK48MPD4Y2NCUIZ63)	99,51%	45,53%	100,00%	0,00%	100,00%
UBS Ltd Ldn (5299007QVIQ7IO64NX37)	0,32%	54,20%	100,00%	0,00%	100,00%
Morgan Stanley Co Int Ldn (4PQUHN3JPFQFNF3BB653)	0,17%	0,27%	100,00%	0,00%	100,00%



Top 5 intermediaries reporting regarding MIFID II professional clients financial year 2018

Class of Instrument BE22
securitized derivatives

Tick Size not used

Information on whether an average of < 1 trade per business day was executed 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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Morgan Stanley Co Int Ldn (4PQUHN3JPFGFNF3BB653)	100,00%	100,00%	100,00%	0,00%	100,00%



Top 5 intermediaries reporting regarding MIFID II professional clients financial year 2018

Class of Instrument BE99
securitized derivatives

Tick Size not used

Information on whether an average of < 1 trade per business day was executed 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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Morgan Stanley Co Int Ldn (4PQUHN3JPFGFNF3BB653)	100,00%	100,00%	100,00%	0,00%	100,00%



Top 5 intermediaries reporting regarding MIFID II professional clients financial year 2018

Class of Instrument C999
no specific classification

Tick Size liquidity band A and liquidity band B

Information on whether an average of < 1 trade per business day was executed 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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Morgan Stanley Co Int Ldn (4PQUHN3JPFGFNF3BB653)	100,00%	100,00%	100,00%	0,00%	100,00%



Top 5 intermediaries reporting regarding MIFID II professional clients financial year 2018

Class of Instrument CA99
Debt instruments

Tick Size not used

Information on whether an average of < 1 trade per business day was executed 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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
DAIWA Secu SMBC Europ Ltd (MIM2K09LFYD4IB163W58)	100,00%	100,00%	100,00%	0,00%	100,00%