venues

for professional clients

Class of Instrument	EK1 - Equities - Tick size liquidity band	ds 5 and 6			
Notification if < 1 average trade per					
business day in the	Yes				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
XETRA -> XETR	34,91%	9,71%	22,05%	11,70%	0,00%
WIENER BOERSE AG,					
WERTPAPIERBOERSE (SECURITIES	27,04%	20,26%	10,67%	3,76%	0,00%
EXCHANGE) -> XVIE					
WARSAW STOCK					
EXCHANGE/EQUITIES/MAIN MARKET ->	25,47%	57,05%	12,77%	7,38%	0,00%
XWAR					
BUDAPEST STOCK EXCHANGE -> XBUD	7,23%	11,76%	2,70%	3,05%	0,00%
DEUTSCHE BOERSE AG -> XFRA	5,11%	0,94%	0,00%	0,00%	0,00%

venues

for professional clients

Class of Instrument	EK2 - Equities - Tick size liquidity band	ds 3 and 4			
Notification if < 1 average trade per					
business day in the	Yes				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
WIENER BOERSE AG,					
WERTPAPIERBOERSE (SECURITIES	54,48%	40,06%	22,55%	12,54%	0,00%
EXCHANGE) -> XVIE					
PRAGUE STOCK EXCHANGE -> XPRA	21,80%	18,73%	5,66%	9,71%	0,00%
BUDAPEST STOCK EXCHANGE -> XBUD	7,79%	13,27%	2,00%	3,03%	0,00%
XETRA -> XETR	7,69%	7,92%	3,81%	2,89%	0,00%
WARSAW STOCK					
EXCHANGE/EQUITIES/MAIN MARKET ->	5,71%	14,94%	2,39%	2,28%	0,00%
XWAR					

venues

for professional clients

Class of Instrument	EK3 - Equities - Tick size liquidity band	ds 1 and 2			
Notification if < 1 average trade per					
business day in the	Yes				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
WIENER BOERSE AG,					
WERTPAPIERBOERSE (SECURITIES	37,98%	35,87%	11,47%	20,42%	0,00%
EXCHANGE) -> XVIE					
SPOT REGULATED MARKET - BVB ->	20,93%	17,27%	15,01%	4,93%	0,00%
XBSE	20,93%	17,27/8	13,01%	4,93%	0,00%
DEUTSCHE BOERSE AG -> XFRA	19,78%	4,54%	0,00%	0,00%	0,00%
WARSAW STOCK					
EXCHANGE/EQUITIES/MAIN MARKET ->	11,04%	27,98%	6,11%	4,31%	0,00%
XWAR					
XETRA -> XETR	3,57%	1,49%	2,38%	1,07%	0,00%

venues

for professional clients

Class of Instrument	ST1 - Debt instruments - Bonds				
Notification if < 1 average trade per					
business day in the	'es				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
DEUTSCHE BOERSE AG -> XFRA	94,56%	96,58	0,00%	0,00%	0,00%
WIENER BOERSE AG,					
WERTPAPIERBOERSE (SECURITIES	4,10%	1,41	0,00%	0,00%	0,00%
EXCHANGE) -> XVIE					
PRAGUE STOCK EXCHANGE -> XPRA	1,34%	2,01	0,34%	0,59%	0,00%
-	-	-	-	-	-
-	-	-	-	-	-

venues

for professional clients

Class of Instrument	ST2 - Debt instruments - Money mar	kets instruments			
Notification if < 1 average trade per					
business day in the	0				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders - - - - -	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

venues

for professional clients

Class of Instrument	ZD1 - Interest rates derivatives - Futu	res and options admitted to trading on a tra	iding venue		
Notification if < 1 average trade per					
business day in the	No				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
,	percentage or total in that class	percentage or total in that class			
EUREX DEUTSCHLAND -> XEUR	100,00%	ļ. <u> </u>	0,00%	100,00%	
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		ļ. <u> </u>	• '		
		ļ. <u> </u>	• '		

venues

for professional clients

Class of Instrument	ZD2 - Interest rates derivatives - Swa	ps, forwards, and other interest rates deriva	atives		
Notification if < 1 average trade per					
business day in the	No				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order) - - -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

venues

for professional clients

Class of Instrument	KD1 - credit derivatives - Futures and	d options admitted to trading on a trading ve	enue		
Notification if < 1 average trade per					
business day in the	No				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order) -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order) - - -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

venues

for professional clients

Class of Instrument	KD2 - credit derivatives - Other credi	t derivatives			
Notification if < 1 average trade per					
business day in the	0				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders -	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

venues

for professional clients

Class of Instrument	WD1 - currency derivatives - Futures	and options admitted to trading on a tradin	g venue		
Notification if < 1 average trade per					
business day in the	No				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order) - - -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders - - - -	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

venues

for professional clients

Class of Instrument	WD2 - currency derivatives - Swaps,	forwards, and other currency derivatives			
Notification if < 1 average trade per					
business day in the	No				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order) - - -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders - - - -	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

venues

for professional clients

Class of Instrument	SP1 - Structured finance instruments				
Notification if < 1 average trade per					
business day in the	No				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
1					
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order) DEUTSCHE BOERSE AG -> XFRA	percentage of total in that class 100,00%	1	Percentage of passive orders 0,00%	Percentage of aggressive orders 0,00%	•
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venues

for professional clients

Class of Instrument	AD1 - Equity Derivatives - Options and Futures admitted to trading on a trading venue					
Notification if < 1 average trade per						
business day in the	No					
previous year						
Top five execution venues ranked in						
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as				
		1				
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
eurex deutschland -> Xeur	percentage of total in that class 100,00%		Percentage of passive orders 21,95%	Percentage of aggressive orders 78,05%	•	
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•	' · · ·		· .		•	
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venues

for professional clients

Class of Instrument	AD2 - Equity Derivatives - Swaps and other equity derivatives					
Notification if < 1 average trade per						
business day in the	No					
previous year						
Top five execution venues ranked in						
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as				
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
order) EUREX DEUTSCHLAND -> XEUR	percentage of total in that class 100,00%	1	Percentage of passive orders 3,51%	<u> </u>	-	
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•	' · · ·	1		<u> </u>	-	
•	' · · ·	1		<u> </u>	-	

venues

for professional clients

Class of Instrument	VD1 - Securitized Derivatives - Warrants and Certificate Derivatives					
Notification if < 1 average trade per						
business day in the	Yes					
previous year						
Top five execution venues ranked in						
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as				
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
WIENER BOERSE AG,						
WERTPAPIERBOERSE (SECURITIES	51,10%	1,53%	0,00%	0,00%	0,00%	
EXCHANGE) -> XVIE						
DEUTSCHE BOERSE AG -> XFRA	46,77%	83,03%	0,00%	0,00%	0,00%	
XETRA -> XETR	2,13%	15,44%	0,77%	1,30%	0,00%	
-	-	-	-	-	-	
-	-	-	-	-	-	

venues

for professional clients

Class of Instrument	VD2 - Securitized Derivatives - Other securitized derivatives					
Notification if < 1 average trade per						
business day in the	No					
previous year						
Top five execution venues ranked in						
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as				
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
DEUTSCHE BOERSE AG -> XFRA	94,66%	90,5	7% 0,00	6 0,00%	0,00%	
WIENER BOERSE AG,						
WERTPAPIERBOERSE (SECURITIES	5,34%	9,4	0,00	6 0,00%	0,00%	
EXCHANGE) -> XVIE						
-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	

venues

for professional clients

Class of Instrument	RD1 - 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	No						
previous year							
Top five execution venues ranked in							
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as					
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
order) -	percentage of total in that class	percentage of total in that class	Percentage of passive orders -	Percentage of aggressive orders	Percentage of directed orders -		
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
- - - -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		

venues

for professional clients

Class of Instrument	RD2 - Commodities derivatives and emission allowances Derivatives - Other commodities derivatives and emission allowances derivatives						
Notification if < 1 average trade per							
business day in the	No						
previous year							
Top five execution venues ranked in							
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as					
_							
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
order) -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders -	Percentage of directed orders		
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		

venues

for professional clients

Class of Instrument	DG1 - Contracts for difference					
Notification if < 1 average trade per						
business day in the	No					
previous year						
Top five execution venues ranked in						
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as				
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
order) -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders -	
order) - - -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	

venues

for professional clients

Class of Instrument	BP1 - Exchange traded products						
Notification if < 1 average trade per							
business day in the	Yes	'es					
previous year							
Top five execution venues ranked in							
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as					
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
XETRA -> XETR	97,20%	97,07%	30,83%	64,50%	0,00%		
DEUTSCHE BOERSE AG -> XFRA	2,33%	2,24%	0,00%	0,00%	0,00%		
WIENER BOERSE AG,							
WERTPAPIERBOERSE (SECURITIES	0,30%	0,44%	0,00%	0,27%	0,00%		
EXCHANGE) -> XVIE							
WARSAW STOCK EXCHANGE/ ETPS ->	0,18%	0,25%	0,00%	0,18%	0,00%		
WETP	0,18%	0,25%	0,00%	0,18%	0,00%		
-	-	-	-	-	-		

venues

for professional clients

Class of Instrument	EZ1 - Emission allowances					
Notification if < 1 average trade per						
business day in the	No					
previous year						
Top five execution venues ranked in						
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as				
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
order) -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
order) - - -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders - - - -	Percentage of directed orders	
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	

venues

for professional clients

Class of Instrument	OZ1 - Other instruments				
Notification if < 1 average trade per					
business day in the	No				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
DEUTSCHE BOERSE AG -> XFRA	51,80%	16,79	0,00%	0,00%	0,00%
XETRA -> XETR	27,00%	11,68	8,47%	18,54%	0,00%
WARSAW STOCK					
EXCHANGE/EQUITIES/MAIN MARKET ->	13,50%	62,77	% 10,72%	1,90%	0,00%
XWAR					
WIENER BOERSE AG,					
WERTPAPIERBOERSE (SECURITIES	3,89%	2,92	% 0,00%	3,48%	0,00%
EXCHANGE) -> XVIE					
BUDAPEST STOCK EXCHANGE -> XBUD	3,80%	5,84	1,06%	2,74%	0,00%

venues

for professional clients

Class of Instrument	SI1 - Other instruments	1 - Other instruments					
Notification if < 1 average trade per							
business day in the	No						
previous year							
Top five execution venues ranked in							
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as					
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
DEUTSCHE BOERSE AG -> XFRA	65,83%	44,83%	0,00%	0,00%	0,00%		
EUREX DEUTSCHLAND -> XEUR	34,16%	53,45%	17,07%	17,08%	0,00%		
XETRA -> XETR	0,01%	1,72%	0,00%	0,01%	0,00%		
-	-	-	-	-	-		
-	-	-	-	-	-		

venues

for retail clients

Class of Instrument	EK1 - Equities - Tick size liquidity bands 5 and 6					
Notification if < 1 average trade per						
business day in the	No					
previous year						
Top five execution venues ranked in						
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as				
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	

venues

for retail clients

Class of Instrument	EK2 - Equities - Tick size liquidity ban	nds 3 and 4			
Notification if < 1 average trade per					
business day in the	No				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order) -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order) - - -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

venues

for retail clients

Class of Instrument	EK3 - Equities - Tick size liquidity ban	ds 1 and 2			
Notification if < 1 average trade per					
business day in the	No				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order) -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order) - - -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders - - - -	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

venues

for retail clients

Class of Instrument	ST1 - Debt instruments - Bonds				
Notification if < 1 average trade per					
business day in the	No				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

venues

for retail clients

Class of Instrument	ST2 - Debt instruments - Money mar	kets instruments			
Notification if < 1 average trade per					
business day in the	No				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

venues

for retail clients

Class of Instrument	ZD1 - Interest rates derivatives - Futu	ures and options admitted to trading on a tra	ading venue		
Notification if < 1 average trade per					
business day in the	No				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order) - - -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders - - - -	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

venues

for retail clients

Class of Instrument	ZD2 - Interest rates derivatives - Swa	ps, forwards, and other interest rates deriva	itives		
Notification if < 1 average trade per					
business day in the	No				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

venues

for retail clients

Class of Instrument	KD1 - credit derivatives - Futures and	l options admitted to trading on a trading ve	enue		
Notification if < 1 average trade per					
business day in the	No				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

venues

for retail clients

Class of Instrument	KD2 - credit derivatives - Other credi	t derivatives			
Notification if < 1 average trade per					
business day in the	No				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

venues

for retail clients

Class of Instrument	WD1 - currency derivatives - Futures	and options admitted to trading on a tradin	g venue		
Notification if < 1 average trade per					
business day in the	No				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order) - - -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders - - - -	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

venues

for retail clients

Class of Instrument	WD2 - currency derivatives - Swaps,	forwards, and other currency derivatives			
Notification if < 1 average trade per					
business day in the	No				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders -	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

venues

for retail clients

Class of Instrument	SP1 - Structured finance instruments	1			
Notification if < 1 average trade per					
business day in the	No				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order) -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order) - - -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders - - - -	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

venues

for retail clients

Class of Instrument	AD1 - Equity Derivatives - Options ar	nd Futures admitted to trading on a trading	venue		
Notification if < 1 average trade per					
business day in the	No				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

venues

for retail clients

Class of Instrument	AD2 - Equity Derivatives - Swaps and other equity derivatives						
Notification if < 1 average trade per							
business day in the	No						
previous year							
Top five execution venues ranked in							
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as					
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
order) - - -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders - - - - -	Percentage of directed orders		
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		

venues

for retail clients

Class of Instrument	VD1 - Securitized Derivatives - Warrants and Certificate Derivatives						
Notification if < 1 average trade per							
business day in the	No						
previous year							
Top five execution venues ranked in							
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as					
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
order) - - -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders - - - - -	Percentage of directed orders		
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		

venues

for retail clients

Class of Instrument	/D2 - Securitized Derivatives - Other securitized derivatives					
Notification if < 1 average trade per						
business day in the	No					
previous year						
Top five execution venues ranked in						
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as				
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	

venues

for retail clients

Class of Instrument	RD1 - 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	No						
previous year							
Top five execution venues ranked in							
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as					
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
-	-	-	-	-	-		
-	-	-	-	-	-		
- - -	-	- - -		-	-		
-	- - - -	- - - -	- - - -	-	-		

venues

for retail clients

Class of Instrument	RD2 - Commodities derivatives and emission allowances Derivatives - Other commodities derivatives and emission allowances derivatives						
Notification if < 1 average trade per							
business day in the	No						
previous year							
Top five execution venues ranked in							
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as					
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
-	-	-	-	-	-		
-	-	-	-	-	-		
-	-	-	-	-	-		
-	-	-	-	-	-		
-	-	-	-	-	-		

venues

for retail clients

Class of Instrument	DG1 - Contracts for difference						
Notification if < 1 average trade per							
business day in the	No						
previous year							
Top five execution venues ranked in							
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as					
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
-	-	-	-	-	-		
-	-	-	-	-	-		
-	-	-	-	-	-		
-	-	-	-	-	-		
-	-	-	-	-	-		

venues

for retail clients

Class of Instrument	BP1 - Exchange traded products						
Notification if < 1 average trade per							
business day in the	No						
previous year							
Top five execution venues ranked in							
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as					
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
order) -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
order) - - -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		

venues

for retail clients

Class of Instrument	Z1 - Emission allowances						
Notification if < 1 average trade per							
business day in the	No						
previous year							
Top five execution venues ranked in							
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as					
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
order) -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
order) - - -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders - - - - -	Percentage of directed orders		
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		

venues

for retail clients

Class of Instrument	DZ1 - Other instruments						
Notification if < 1 average trade per							
business day in the	No						
previous year							
Top five execution venues ranked in							
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as					
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
order) -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
order) - - -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
order)	percentage of total in that class	percentage of total in that class - - - -	Percentage of passive orders	Percentage of aggressive orders - - - -	Percentage of directed orders		
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		

venues

for retail clients

Class of Instrument	SI1 - Other instruments					
Notification if < 1 average trade per						
business day in the	No					
previous year						
Top five execution venues ranked in						
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as				
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	

venues

for professional clients

Class of Instrument	EK1 - Equities - Tick size liquidity band	ds 5 and 6			
Notification if < 1 average trade per					
business day in the	Yes				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
JEFFERIES INTERNATIONAL (HOLDINGS) LTD> S5THZMDUJCTQZBTRVI98	38,95%	58,7	1,97%	3,01%	0,00%
INVESTMENT TECHNOLOGY GROUP LTD> 213800EEC95PRUCEUP63	29,91%	36,8	12,45%	12,52%	0,00%
SOCIETE GEN, LONDON + -> O2RNE8IBXP4R0TD8PU41	28,26%	0,6	0,00%	0,00%	0,00%
ICF BANK AG WERTPAPIERHANDELSBANK -> 529900E89HA1I45HB613	1,35%	0,5	0,00%	0,00%	0,00%
AO RAIFFEISENBANK -> 2534006HF1L4YF10UD91	0,75%	2,6	0,00%	0,00%	0,00%

venues

for professional clients

Class of Instrument	EK2 - Equities - Tick size liquidity ban	ds 3 and 4				
Notification if < 1 average trade per						
business day in the	Yes					
previous year						
Top five execution venues ranked in						
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as				
order)	percentage of total in that class	percentage of total in that class	ı	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
JEFFERIES INTERNATIONAL (HOLDINGS) LTD> S5THZMDUJCTQZBTRVI98	76,01%	87,	83%	19,14%	25,73%	0,00%
INVESTMENT TECHNOLOGY GROUP LTD> 213800EEC95PRUCEUP63	11,55%	11,	51%	4,98%	4,99%	0,00%
SOCIETE GEN, LONDON + -> O2RNE8IBXP4R0TD8PU41	10,43%	0,	13%	0,00%	0,00%	0,00%
ICF BANK AG WERTPAPIERHANDELSBANK -> 529900E89HA1I45HB613	1,54%	0,	23%	0,00%	0,00%	0,00%
SWEDBANK AS -> 549300PHQZ4HL15HH975	0,27%	0,	10%	0,00%	0,00%	0,00%

venues

for professional clients

Class of Instrument	EK3 - Equities - Tick size liquidity band	3 - Equities - Tick size liquidity bands 1 and 2				
Notification if < 1 average trade per						
business day in the	Yes					
previous year						
Top five execution venues ranked in						
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as				
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
AO RAIFFEISENBANK ->	24,38%	33,63'	0,00%	0,00%	0,00%	
2534006HF1L4YF10UD91	24,38%	33,03	0,00%	0,00%	0,00%	
SOCIETE GEN, LONDON + ->	22,22%	0,15'	0,00%	0,00%	0,00%	
O2RNE8IBXP4R0TD8PU41	22,2270	0,13	0,0070	0,0070	0,0070	
JEFFERIES INTERNATIONAL (HOLDINGS) LTD> S5THZMDUJCTQZBTRVI98	19,66%	25,78'	% 1,15%	2,42%	0,00%	
BCS PRIME BROKERAGE LTD -> 213800UU8AHE2B6QUI26	16,06%	25,53	0,37%	0,02%	0,00%	
INVESTMENT TECHNOLOGY GROUP LTD> 213800EEC95PRUCEUP63	12,51%	12,60	5,84%	5,04%	0,00%	

venues

for professional clients

Class of Instrument	ST1 - Debt instruments - Bonds				
Notification if < 1 average trade per					
business day in the	No				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
ICF BANK AG					
WERTPAPIERHANDELSBANK ->	97,03%	98,42%	0,00%	0,00%	0,00%
529900E89HA1I45HB613					
BANK VONTOBEL AG ->	2,97%	1,589	0,00%	0,00%	0,00%
549300L7V4MGECYRM576	2,97%	1,367	0,00%	0,00%	0,00%
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

venues

for professional clients

Class of Instrument	ST2 - Debt instruments - Money markets instruments					
Notification if < 1 average trade per						
business day in the	No					
previous year						
Top five execution venues ranked in						
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as				
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
order) - - -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders - - - - -	Percentage of directed orders	
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	

venues

for professional clients

Class of Instrument	ZD1 - Interest rates derivatives - Futures and options admitted to trading on a trading venue						
Notification if < 1 average trade per							
business day in the	No						
previous year							
Top five execution venues ranked in							
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as					
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders -	Percentage of directed orders		
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders - - - -	Percentage of directed orders		
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		

venues

for professional clients

Class of Instrument	ZD2 - Interest rates derivatives - Swaps, forwards, and other interest rates derivatives						
Notification if < 1 average trade per							
business day in the	No						
previous year							
Top five execution venues ranked in							
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as					
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
order) - - -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		

venues

for professional clients

Class of Instrument	KD1 - credit derivatives - Futures and options admitted to trading on a trading venue						
Notification if < 1 average trade per							
business day in the	No	o					
previous year							
Top five execution venues ranked in							
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as					
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
order) -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders -	Percentage of directed orders		
order) - - -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		

venues

for professional clients

Class of Instrument	CD2 - credit derivatives - Other credit derivatives					
Notification if < 1 average trade per						
business day in the	No	,				
previous year						
Top five execution venues ranked in						
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as				
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders -	Percentage of directed orders	
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	

venues

for professional clients

Class of Instrument	WD1 - currency derivatives - Futures and options admitted to trading on a trading venue						
Notification if < 1 average trade per							
business day in the	No						
previous year							
Top five execution venues ranked in							
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as					
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
order) - - -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders - - - -	Percentage of directed orders		
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		

venues

for professional clients

Class of Instrument	ND2 - currency derivatives - Swaps, forwards, and other currency derivatives						
Notification if < 1 average trade per							
business day in the	No						
previous year							
Top five execution venues ranked in							
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as					
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
order) - - -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders - - - - -	Percentage of directed orders		
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		

venues for

professional clients

Class of Instrument	SP1 - Structured finance instruments	P1 - Structured finance instruments					
Notification if < 1 average trade per							
business day in the	No	,					
previous year							
Top five execution venues ranked in							
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as					
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
order) -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
order) - - -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		

venues

for professional clients

Class of Instrument	AD1 - Equity Derivatives - Options and Futures admitted to trading on a trading venue						
Notification if < 1 average trade per							
business day in the	No	,					
previous year							
Top five execution venues ranked in							
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as					
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
order) -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders -	Percentage of directed orders		
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		

venues

for professional clients

Class of Instrument	AD2 - Equity Derivatives - Swaps and	other equity derivatives				
Notification if < 1 average trade per						
business day in the	No					
previous year						
Top five execution venues ranked in						
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as				
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	

venues

for professional clients

Class of Instrument	VD1 - Securitized Derivatives - Warra	nts and Certificate Derivatives			
Notification if < 1 average trade per					
business day in the	Yes				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
ICF BANK AG					
WERTPAPIERHANDELSBANK ->	75,15%	88,189	0,00%	0,00%	0,00%
529900E89HA1I45HB613					
JANE STREET NETHERLANDS ->	18,95%	0,219	0,00%	0,00%	0,00%
549300AE0DWETJDYFB29	18,93%	0,21	0,00%	0,00%	0,0076
INVESTMENT TECHNOLOGY GROUP	3,64%	10,129	2,28%	1,35%	0,00%
LTD> 213800EEC95PRUCEUP63	3,0470	10,12	2,2870	1,33%	0,0076
UBS EUROPE SE ->	1,46%	0,219	0,00%	0,00%	0,00%
5299007QVIQ7IO64NX37	1,40%	0,21.	0,00%	0,00%	0,0078
FLOW TRADERS BV ->	0,69%	0,219	0,00%	0,00%	0,00%
549300CLJI9XDH12XV51	0,03%	0,21.	0,00%	0,0076	0,00%

venues for

professional clients

Class of Instrument	VD2 - Securitized Derivatives - Other	securitized derivatives			
Notification if < 1 average trade per					
business day in the	No				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
ICF BANK AG					
WERTPAPIERHANDELSBANK ->	100,00%	100,00	% 0,00%	0,00%	0,00%
529900E89HA1I45HB613					
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

venues

for professional clients

Class of Instrument	RD1 - Commodities derivatives and e	emission allowances Derivatives - Options ar	nd Futures admitted to trading on	a trading venue	
Notification if < 1 average trade per					
business day in the	No				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order) -	percentage of total in that class	percentage of total in that class	Percentage of passive orders -	Percentage of aggressive orders	Percentage of directed orders -
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
- - - -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

venues

for professional clients

Class of Instrument	RD2 - Commodities derivatives and e	emission allowances Derivatives - Other com	modities derivatives and emission	n allowances derivatives	
Notification if < 1 average trade per					
business day in the	No				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
_					
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order) -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders -	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

venues

for professional clients

Class of Instrument	DG1 - Contracts for difference				
Notification if < 1 average trade per					
business day in the	No				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order) -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders -
order) - - -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

venues

for professional clients

Class of Instrument	BP1 - Exchange traded products				
Notification if < 1 average trade per					
business day in the	Yes				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
JANE STREET NETHERLANDS ->	59,92%	16,17%	0,00%	0,00%	0,00%
549300AE0DWETJDYFB29	39,92%	10,1776	0,00%	0,00%	0,00%
SUSQUEHANNA INTERNATIONAL ->	9,91%	1,32%	0,00%	0,00%	0,00%
635400IAV22ZOU1NFS89	9,9170	1,32/0	0,00%	0,00%	0,00%
GOLDMAN SACHS INT ->	8,04%	1,17%	0,00%	0,00%	0,00%
W22LROWP2IHZNBB6K528	8,0470	1,1776	0,00%	0,00%	0,00%
SOCIETE GEN, LONDON + ->	7,40%	4,44%	0,00%	0,05%	0,00%
O2RNE8IBXP4R0TD8PU41	7,40%	4,4476	0,00%	0,03%	0,00%
FLOW TRADERS BV ->	7,08%	5,53%	0,00%	0,49%	0,00%
549300CLJI9XDH12XV51	7,08%	3,3376	0,00%	0,45%	0,00%

venues

for professional clients

Class of Instrument	EZ1 - Emission allowances				
Notification if < 1 average trade per					
business day in the	No				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order) -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order) - - -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders - - - - -	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

venues

for professional clients

Class of Instrument	OZ1 - Other instruments				
Notification if < 1 average trade per					
business day in the	Yes				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
JEFFERIES INTERNATIONAL (HOLDINGS) LTD> S5THZMDUJCTQZBTRVI98	57,89%	32,78%	6 0,07%	0,26%	0,00%
INVESTMENT TECHNOLOGY GROUP LTD> 213800EEC95PRUCEUP63	25,78%	36,129	12,43%	12,35%	0,00%
SWEDBANK AD -> 549300PHQZ4HL15HH975	5,29%	2,16%	0,00%	0,00%	0,00%
BCS PRIME BROKERAGE LTD -> 213800UU8AHE2B6QUI26	4,15%	19,86%	2,39%	0,27%	0,00%
AO RAIFFEISENBANK -> 2534006HF1L4YF10UD91	3,26%	8,279	6 0,00%	0,00%	0,00%

venues

for professional clients

Class of Instrument	SI1 - Other instruments				
Notification if < 1 average trade per					
business day in the	Yes				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
ICF BANK AG					
WERTPAPIERHANDELSBANK ->	97,06%	27,46%	0,00%	0,00%	0,00%
529900E89HA1I45HB613					
BANK VONTOBEL AG ->	1,68%	15,14%	0,25%	1,29%	0,00%
549300L7V4MGECYRM576	1,08%	15,14%	0,25%	1,29%	0,00%
SIX SIS AG, SOLOTHURN ->	0,68%	0,35%	0,00%	0,00%	0,00%
549300A3XI3YWROC2J57	0,08%	0,5376	0,00%	0,00%	0,00%
JEFFERIES INTERNATIONAL (HOLDINGS)					
LTD> S5THZMDUJCTQZBTRVI98	0,37%	46,83%	0,04%	0,16%	0,00%
LID> 331112IVIDUJCIQZBIRVI98					
INVESTMENT TECHNOLOGY GROUP	0,11%	6,34%	0,03%	0,08%	0,00%
LTD> 213800EEC95PRUCEUP63	0,11%	6,34%	0,03%	0,08%	0,00%

venues

for retail clients

Class of Instrument	EK1 - Equities - Tick size liquidity ban	ds 5 and 6			
Notification if < 1 average trade per					
business day in the	No				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

venues

for retail clients

Class of Instrument	EK2 - Equities - Tick size liquidity ban	nds 3 and 4			
Notification if < 1 average trade per					
business day in the	No				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order) -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order) - - -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

venues

for retail clients

Class of Instrument	EK3 - Equities - Tick size liquidity ban	ds 1 and 2			
Notification if < 1 average trade per					
business day in the	No				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order) -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order) - - -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders - - - -	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

venues

for retail clients

Class of Instrument	ST1 - Debt instruments - Bonds				
Notification if < 1 average trade per					
business day in the	No				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

venues

for retail clients

Class of Instrument	ST2 - Debt instruments - Money mar	kets instruments			
Notification if < 1 average trade per					
business day in the	No				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

venues

for retail clients

Class of Instrument	ZD1 - Interest rates derivatives - Futu	ures and options admitted to trading on a tra	ading venue		
Notification if < 1 average trade per					
business day in the	No				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order) - - -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders - - - -	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

venues

for retail clients

Class of Instrument	ZD2 - Interest rates derivatives - Swa	ps, forwards, and other interest rates deriva	itives		
Notification if < 1 average trade per					
business day in the	No				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

venues

for retail clients

Class of Instrument	KD1 - credit derivatives - Futures and	l options admitted to trading on a trading ve	enue		
Notification if < 1 average trade per					
business day in the	No				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

venues

for retail clients

Class of Instrument	KD2 - credit derivatives - Other credi	t derivatives			
Notification if < 1 average trade per					
business day in the	No				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

venues

for retail clients

Class of Instrument	WD1 - currency derivatives - Futures	and options admitted to trading on a tradin	g venue		
Notification if < 1 average trade per					
business day in the	No				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order) - - -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders - - - -	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

venues

for retail clients

Class of Instrument	WD2 - currency derivatives - Swaps,	forwards, and other currency derivatives			
Notification if < 1 average trade per					
business day in the	No				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order) -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders -	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

venues

for retail clients

Class of Instrument	SP1 - Structured finance instruments	1			
Notification if < 1 average trade per					
business day in the	No				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order) -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order) - - -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders - - - -	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

venues

for retail clients

Class of Instrument	AD1 - Equity Derivatives - Options ar	nd Futures admitted to trading on a trading	venue		
Notification if < 1 average trade per					
business day in the	No				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order) -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

venues

for retail clients

Class of Instrument	AD2 - Equity Derivatives - Swaps and	other equity derivatives				
Notification if < 1 average trade per						
business day in the	No					
previous year						
Top five execution venues ranked in						
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as				
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
order) - - -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders - - - -	Percentage of directed orders	
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	

venues

for retail clients

Class of Instrument	VD1 - Securitized Derivatives - Warra	ants and Certificate Derivatives			
Notification if < 1 average trade per					
business day in the	No				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order) - - -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders - - - - -	Percentage of directed orders
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

venues

for retail clients

Class of Instrument	VD2 - Securitized Derivatives - Other securitized derivatives				
Notification if < 1 average trade per					
business day in the	lo				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

venues

for retail clients

Class of Instrument	RD1 - 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	lo					
previous year						
Top five execution venues ranked in						
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as				
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-			-	
-	-	-	-	-	-	

venues

for retail clients

Class of Instrument	RD2 - Commodities derivatives and emission allowances Derivatives - Other commodities derivatives and emission allowances derivatives					
Notification if < 1 average trade per						
business day in the	lo .					
previous year						
Top five execution venues ranked in						
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as				
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	

venues

for retail clients

Class of Instrument	DG1 - Contracts for difference					
Notification if < 1 average trade per						
business day in the	No	ło .				
previous year						
Top five execution venues ranked in						
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as				
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	

venues

for retail clients

Class of Instrument	BP1 - Exchange traded products					
Notification if < 1 average trade per						
business day in the	No					
previous year						
Top five execution venues ranked in						
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as				
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
order) -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
order) - - -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
order)	percentage of total in that class	percentage of total in that class - - - -	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	

venues

for retail clients

Class of Instrument	EZ1 - Emission allowances					
Notification if < 1 average trade per						
business day in the	lo l					
previous year						
Top five execution venues ranked in						
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as				
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
order) -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders -	Percentage of directed orders	
order) - - -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	

venues

for retail clients

Class of Instrument	OZ1 - Other instruments						
Notification if < 1 average trade per							
business day in the	No	lo l					
previous year							
Top five execution venues ranked in							
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as					
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
order) -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
order) - - -	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		

venues

for retail clients

Class of Instrument	SI 1 - Other instruments				
Notification if < 1 average trade per					
business day in the	lo .				
previous year					
Top five execution venues ranked in					
terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as			
order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-