NATIONAL SECURITIES SINGLE MEMBER SA (the "Company"), for the transactions in execution venues where it has no direct access, transmits its clients' orders to third investment firms or credit institutions. In this case, the Company relies on the best execution policy of such third parties, upon review and monitoring. In this context, the Company in accordance with the Delegated Regulation (EU) 2017/565 of the Commission (art. 65 par. 6), summarizes and publishes on an annual basis for each category of financial instruments, the top five investment companies -in terms of trading volume- to which it transmitted or executed its clients' orders, as well as data related to the quality of execution. The published information refers to Retail and Professional clients and follows the format set out in Annex II of the Delegated Regulation (EU) 2017/576 of the Commission.

	Year	2024				
	Y OF INSTRUMENT		FOREIGN EQUITIES			
	NT CATEGORY		RETAIL	ī		
	verage transaction per business g the previous year					
uay uuring	g tile previous year		0			
		Ratio of the volume submitted in a	Ratio of orders executed as a	Percentage	Percentage of	Percentage of
		transaction as a percentage of the total	percentage of the total orders in	of passive	aggressive	directed orders
Prokoro	LEI	volume in the specific category	the specific category	orders	orders	unceted orders
Brokers	LEI					
KEPLER	9695005EOZG9X8IRJD84	29%	28%	N/A	N/A	100%
VIRTU						
	213800EEC95PRUCEUP63	38%		N/A	N/A	100%
NSTINET EUROPE LMT	213800MXAKR2LA1VBM44	32%	62%	N/A	N/A	100%
	Year	2024				
CATEGOR	Y OF INSTRUMENT		FOREIGN EQUITIES			
CLIE	NT CATEGORY		PROFESSIONAL			
Disclosure if <1 of the a	verage transaction per business					
day during	g the previous year		0			
		Ratio of the volume submitted in a	Ratio of orders executed as a	Percentage	Percentage of	
		transaction as a percentage of the total	percentage of the total orders in	_	aggressive	Percentage of
Brokers	LEI	volume in the specific category	the specific category	orders	orders	directed orders
VIRTU	213800EEC95PRUCEUP63	45%	31%	N/A	N/A	100%
FLOW TRADERS	549300CLJI9XDH12XV51	5%		N/A	N/A	100%
KEPLER	9695005EOZG9X8IRJD84	24%		N/A	N/A	100%
NSTINET EUROPE LMT	213800MXAKR2LA1VBM44	26%	42%	N/A	N/A	100%
	Year	2024				
	Y OF INSTRUMENT		FOREIGN EXCHANGE DERIVATI	VES		
	NT CATEGORY		RETAIL	ī		
	verage transaction per business g the previous year		0			
uay uuring	g trie previous year		0			
		Ratio of the volume submitted in a		Percentage	-	Percentage of
		transaction as a percentage of the total volume in the specific category	percentage of the total orders in		aggressive	directed orders
Brokers	LEI	volume in the specific category	the specific category	orders	orders	
DB	7LTWFZYICNSX8D621K86	100%	100%	N/A	N/A	100%
				1	1	
CATECOR	Year Y OF INSTRUMENT	2024	FOREIGN EXCHANGE DERIVATI	VEC		
	NT CATEGORY		PROFESSIONAL	VES		
	verage transaction per business		11101200101112	1		
	the previous year		0			
		Ratio of the volume submitted in a	Ratio of orders executed as a	Dorcontago	Dorcontage of	
		transaction as a percentage of the total	percentage of the total orders in	Percentage of passive	Percentage of aggressive	Percentage of
		volume in the specific category	the specific category	orders	orders	directed orders
Brokers	LEI					
DB	7LTWFZYICNSX8D621K86	100%	100%	N/A	N/A	100%
	Year	2024				
CATEGOR	Y OF INSTRUMENT	2024	OVER-THE-COUNTER BOND	S		
	NT CATEGORY		RETAIL	-		
Disclosure if <1 of the a	verage transaction per business					
	the previous year		0			
		Ratio of the volume submitted in a	Ratio of orders executed as a	Percentage	Percentage of	
		transaction as a percentage of the total		_	aggressive	Percentage of
		volume in the specific category	the specific category	orders	orders	directed orders
Brokers	LEI					
NBG I.P. Morgan AG	5UMCZOEYKCVFAW8ZLO05 549300ZK53CNGEEI6A29	94%		N/A N/A	N/A N/A	100%
i.r. Worgan AG	3493002R33CNGEET0A29	076	170	IN/A	N/A	100/0
	Year	2024				
CATEGOR	Y OF INSTRUMENT	-	OVER-THE-COUNTER BONDS	S		
CLIE	NT CATEGORY		PROFESSIONAL			
	verage transaction per business					
day during	g the previous year		0]		
		Ratio of the volume submitted in a	Ratio of orders executed as a	Percentage	Percentage of	
		transaction as a percentage of the total	percentage of the total orders in	_	aggressive	Percentage of
Brokers	LEI	volume in the specific category	the specific category	orders	orders	directed orders
NBG	5UMCZOEYKCVFAW8ZLO05	95%	94%	N/A	N/A	100%
I.P. Morgan AG	549300ZK53CNGEEI6A29	55%		N/A	N/A	100%

CATEGO	Year RY OF INSTRUMENT	2023	FOREIGN EQUITIES			
CLIE	ENT CATEGORY		RETAIL	,		
	average transaction per business ag the previous year		c			
Brokers	LEI	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	Ratio of orders executed as a percentage of the total orders in the specific category	_	Percentage of aggressive orders	Percentage of directed orders
				/.		
KEPLER	9695005EOZG9X8IRJD84	14%	11%	N/A	N/A	100%
VIRTU	213800EEC95PRUCEUP63	11%	1%	N/A	N/A	100%
INSTINET EUROPE LMT	213800MXAKR2LA1VBM44	75%	88%	N/A	N/A	100%
	Year	2023				
	RY OF INSTRUMENT ENT CATEGORY		FOREIGN EQUITIES PROFESSIONAL	•		
	average transaction per business ig the previous year		c			
		Ratio of the volume submitted in a	Ratio of orders executed as a	Percentage	Percentage of	Percentage of
		transaction as a percentage of the total	percentage of the total orders in		aggressive	directed orders
Brokers	LEI	volume in the specific category	the specific category	orders	orders	
VIRTU	213800EEC95PRUCEUP63	10%		N/A	N/A	100%
FLOW TRADERS KEPLER	549300CLJI9XDH12XV51 9695005EOZG9X8IRJD84	8% 19%		N/A N/A	N/A N/A	100%
INSTINET EUROPE LMT	213800MXAKR2LA1VBM44	62%		N/A	N/A	100%
CATEGO	Year RY OF INSTRUMENT	2023	FOREIGN EXCHANGE DERIVAT	IVES		
	ENT CATEGORY		RETAIL	IVL3		
Disclosure if <1 of the	average transaction per business ag the previous year		C			
		Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	Ratio of orders executed as a percentage of the total orders in the specific category	_	Percentage of aggressive orders	Percentage of directed orders
Brokers	LEI					1000/
DB	7LTWFZYICNSX8D621K86	100%	100%	N/A	N/A	100%
	Year	2023				
	RY OF INSTRUMENT		FOREIGN EXCHANGE DERIVAT	IVES		
	:NT CATEGORY average transaction per business		PROFESSIONAL	1		
	ng the previous year					
Brokers	LEI	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	Ratio of orders executed as a percentage of the total orders in the specific category		Percentage of aggressive orders	Percentage of directed orders
DB	7LTWFZYICNSX8D621K86	100%	100%	N/A	N/A	100%
	Year	2023				
CATEGO	RY OF INSTRUMENT		OVER-THE-COUNTER BOND	S		
	NT CATEGORY		RETAIL	1		
	averagetransaction per business ig the previous year		C			
		Ratio of the volume submitted in a transaction as a percentage of the total		of passive	aggressive	Percentage of directed orders
Brokers	LEI	volume in the specific category	the specific category	orders	orders	
NBG J.P. Morgan AG	5UMCZOEYKCVFAW8ZLO05 549300ZK53CNGEEI6A29	95% 5%		N/A N/A	N/A N/A	100% 100%
	Year	2023				
CATEGO	RY OF INSTRUMENT		OVER-THE-COUNTER BOND	S		
	NT CATEGORY		PROFESSIONAL	1		
	averagetransaction per business ngthe previous year		c			
Bashara	10	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	Ratio of orders executed as a percentage of the total orders in the specific category	_	Percentage of aggressive orders	Percentage of directed orders
Brokers NBG	SUMCZOEYKCVFAW8ZLO05	95%		N/A	N/A	100%
J.P. Morgan AG	549300ZK53CNGEEI6A29	95%		N/A N/A	N/A	100%
					Ĺ	

CLIE	Year	***				
	RY OF INSTRUMENT	2022	FOREIGN EQUITIES			
Disclosure if < 1 of the	NT CATEGORY		RETAIL			
	average transaction per business ig the previous year					
Brokers	LEI	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	Ratio of orders executed as a percentage of the total orders in the specific category	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
COWEN EXECUTION	213800SS94VGJTFLIG64					
SERVICE LIMITED		45%		N/A	N/A	100%
INSTINET EUROPE LMT	213800MXAKR2LA1VBM44	55%	54%	N/A	N/A	100%
	Year	2022				
	RY OF INSTRUMENT		FOREIGN EQUITIES			
	INT CATEGORY		PROFESSIONAL	1		
	average transaction per business ig the previous year		0)		
Brokers	LEI	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	Ratio of orders executed as a percentage of the total orders in the specific category	_	Percentage of aggressive orders	Percentage of directed orders
COWEN EXECUTION SERVICE LIMITED	213800SS94VGJTFLIG64		40/	NI/A	N1 /A	100%
INSTINET EUROPE LMT	213800MXAKR2LA1VBM44	94% 94%		N/A N/A	N/A N/A	100%
CATEGO	Year RY OF INSTRUMENT	2022	FOREIGN EXCHANGE DERIVATI	IV/EC		
	ENT CATEGORY		RETAIL	IV ES		
	average transaction per business ig the previous year					
Brokers	LEI	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	Ratio of orders executed as a percentage of the total orders in the specific category	_	Percentage of aggressive orders	Percentage of directed orders
CSFB	959800TMGPWX7NYM4R72	30%	30%	N/A	N/A	100%
DB	7LTWFZYICNSX8D621K86	70%	70%	N/A	N/A	100%
	Year	2022				
	RY OF INSTRUMENT ENT CATEGORY	2022	FOREIGN EXCHANGE DERIVATION OF THE PROFESSIONAL	IVES		
Disdosure if <1 of the	average transaction per business					
	g the previous year	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	Ratio of orders executed as a percentage of the total orders in the specific category		Percentage of aggressive orders	Percentage of directed orders
Brokers CSFB	LEI 959800TMGPWX7NYM4R72	10%	100%	N/A	N/A	100%
DB	7LTWFZYICNSX8D621K86	90%	100%		N/A	100%
	Year RY OF INSTRUMENT	2022		_		
	ENT CATEGORY		OVER-THE-COUNTER BOND RETAIL	3		
Disdosure if <1 of the	average transaction per business					
day duriii	gthe previous year			_	Dorsontogo of	
		Ratio of the volume submitted in a transaction as a percentage of the total	percentage of the total orders in		aggressive	Percentage of directed orders
Brokers	LEI	transaction as a percentage of the total volume in the specific category	percentage of the total orders in the specific category	of passive orders	aggressive orders	directed orders
NBG	5UMCZOEYKCVFAW8ZLO05	transaction as a percentage of the total volume in the specific category 78%	percentage of the total orders in the spedific category 86%	of passive orders	aggressive orders N/A	directed orders
NBG J.P. Morgan AG	5UMCZOEYKCVFAW8ZLO05 549300ZK53CNGEEI6A29	transaction as a percentage of the total volume in the specific category	percentage of the total orders in the specific category 86% 12%	of passive orders N/A N/A	aggressive orders N/A N/A	directed orders
NBG	5UMCZOEYKCVFAW8ZLO05	transaction as a percentage of the total volume in the specific category 78% 20%	percentage of the total orders in the specific category 86% 12% 1%	of passive orders	aggressive orders N/A	100% 100% 100%
NBG J.P. Morgan AG ALPHA	5UMCZOEYKCVFAW8ZLO05 549300ZK53CNGEEI6A29 5299009N55YRQC69CN08	transaction as a percentage of the total volume in the specific category 78% 20%	percentage of the total orders in the specific category 86% 12% 1%	of passive orders N/A N/A N/A	aggressive orders N/A N/A N/A	100% 100% 100%
NBG J.P. Morgan AG ALPHA TPEIR	SUMCZOEYKCVFAW8ZLOOS 549300ZKS3CNGEEI6A29 5299009NS5YRQC69CN08 2138000YHR1MPQSVJL60 Year RY OF INSTRUMENT	transaction as a percentage of the total volume in the specific category 78% 20% 1%	percentage of the total orders in the specific category 86% 12% 1% 1% OVER-THE-COUNTER BOND	orders N/A N/A N/A N/A N/A	aggressive orders N/A N/A N/A	100% 100% 100%
NBG J.P. Morgan AG ALPHA TPEIR CATEGOR CLIE	5UMCZOEYKCVFAW8ZLO05 549300ZKS3CNGEEI6A29 5299009N55YRQC69CN08 2138000YHR1MPQSVJL60 Year RY OF INSTRUMENT	transaction as a percentage of the total volume in the specific category 78% 20% 1%	percentage of the total orders in the specific category 86% 12% 136 136	orders N/A N/A N/A N/A N/A	aggressive orders N/A N/A N/A	100% 100% 100%
NBG J.P. Morgan AG ALPHA TPER CATEGOI CLIE Disdosure if <10f the	SUMCZOEYKCVFAW8ZLOOS 549300ZKS3CNGEEI6A29 5299009NS5YRQC69CN08 2138000YHR1MPQSVJL60 Year RY OF INSTRUMENT	transaction as a percentage of the total volume in the specific category 78% 20% 1%	percentage of the total orders in the specific category 86% 12% 1% 1% OVER-THE-COUNTER BOND	of passive orders N/A N/A N/A N/A	aggressive orders N/A N/A N/A	100% 100% 100%
NBG J.P. Morgan AG ALPHA TPER CATEGOI CLIE Disdosure if <10f the	SUMCZOEYKCVFAW8ZLOOS 549300ZK33CNGEEIGA29 5299009N55YRGG9CNO8 2138000YHR1MPQ5VJL60 Year Year RY OF INSTRUMENT INT CATEGORY average transaction per business	transaction as a percentage of the total volume in the specific category 78% 20% 1%	percentage of the total orders in the specific category 86% 12% 13% 0VER-THE-COUNTER BOND PROFESSIONAL	of passive orders N/A N/A N/A N/A N/A Percentage	aggressive orders N/A N/A N/A	100% 100% 100%
NBG J.P. Morgan AG ALPHA TPEIR CATEGOI CLIE Disdosure if <1 of the day durin	SUMCZOEYKCVFAW8ZLOOS 549900ZKSZCNGEEIGA29 529909N55YROGEONO8 213800OYHRIMPQSVJL60 Year RY OF INSTRUMENT INT CATEGORY average transaction per business g the previous year	transaction as a percentage of the total volume in the specific category 78% 20% 196 196 2022 Ratio of the volume submitted in a transaction as a percentage of the total	percentage of the total orders in the specific category 86% 12% 13% 0VER-THE-COUNTER BOND PROFESSIONAL Ratio of orders executed as a percentage of the total orders in the specific category	of passive orders N/A N/A N/A N/A N/A N/A Percentage of passive	aggressive orders N/A N/A N/A N/A N/A N/A Percentage of aggressive	directed orders 100% 100% 100% 100%

Year CATEGORY OF INSTRUMENT	2021	FOREIGN EQUITIES			
CLIENT CATEGORY		RETAIL	_		
Disclosure if <1 of the average transaction per business day during the previous year		0			
Brokers LEI	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	Ratio of orders executed as a percentage of the total orders in the specific category	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
COWEN EXECUTION SERVICE LIMITED 213800SS94VGJTFLIG64 INSTINET EUROPE LMT 213800MXAKR2LA1VBM44	49% 51%		N/A	N/A N/A	100%
INSTINET EUROPE LMT 213800MXAKR2LA1VBM44	51%	39%	N/A	N/A	100%
Year CATEGORY OF INSTRUMENT	2021	FOREIGN EQUITIES			
CLIENT CATEGORY		PROFESSIONAL			
Disclosure if <1 of the average transaction per business day during the previous year		0			
Brokers LEI	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	Ratio of orders executed as a percentage of the total orders in the specific category	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
COWEN EXECUTION 213800SS94VGJTFLIG64	19%	16%	N/A	N/A	100%
INSTINET EUROPE LMT 213800MXAKR2LA1VBM44	81%		N/A	N/A	100%
Year	2021				
CATEGORY OF INSTRUMENT		FOREIGN EXCHANGE DERIVATIV	ES		,
CLIENT CATEGORY Disclosure if <1 of the average transaction per business		RETAIL			
day during the previous year		0			
Brokers LEI	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	Ratio of orders executed as a percentage of the total orders in the specific category	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
CSFB 959800TMGPWX7NYM4R72	100%	100%	N/A	N/A	100%
	L				
Year	2021				
CATEGORY OF INSTRUMENT		FOREIGN EXCHANGE DERIVATIVE	ES		
CLIENT CATEGORY		PROFESSIONAL			
Disclosure if <1 of the average transaction per business day during the previous year		PROFESSIONAL 0			
Disclosure if <1 of the average transaction per business day during the previous year	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	PROFESSIONAL 0 Ratio of orders executed as a percentage of the total orders in the specific category	Percentage	of aggressive	Percentage of directed orders
Disclosure if <1 of the average transaction per business	transaction as a percentage of the total	0 Ratio of orders executed as a percentage of the total orders in	Percentage of passive orders	of	_
Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI	transaction as a percentage of the total volume in the specific category	O Ratio of orders executed as a percentage of the total orders in the specific category	Percentage of passive orders	of aggressive orders	directed orders
Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI	transaction as a percentage of the total volume in the specific category	Ratio of orders executed as a percentage of the total orders in the specific category	Percentage of passive orders	of aggressive orders	directed orders
Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI CSFB 959800TMGPWX7NYM4R72 Year CATEGORY OF INSTRUMENT	transaction as a percentage of the total volume in the specific category 100%	0 Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS	Percentage of passive orders	of aggressive orders	directed orders
Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI CSFB 959800TMGPWX7NYM4R72 Year CATEGORY OF INSTRUMENT CLIENT CATEGORY	transaction as a percentage of the total volume in the specific category 100%	0 Ratio of orders executed as a percentage of the total orders in the specific category 100%	Percentage of passive orders	of aggressive orders	directed orders
Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI CSFB 959800TMGPWX7NYM4R72 Year CATEGORY OF INSTRUMENT	transaction as a percentage of the total volume in the specific category 100%	0 Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS	Percentage of passive orders	of aggressive orders	directed orders
Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI CSFB 959800TMGPWX7NYM4R72 Year CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year	transaction as a percentage of the total volume in the specific category 100%	0 Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS	Percentage of passive orders N/A	of aggressive orders N/A Percentage of aggressive	directed orders
Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI CSFB 959800TMGPWX7NYM4R72 Year CATEGORY OF INSTRUMENT CUENT CATEGORY Disclosure if <1 of the average transaction per business	transaction as a percentage of the total volume in the specific category 100% 2021 Ratio of the volume submitted in a transaction as a percentage of the total	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category	Percentage of passive orders N/A Percentage of passive	of aggressive orders N/A Percentage of	directed orders 100% Percentage of
Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI CSFB 959800TMGPWX7NYM4R72 Year CATEGORY OF INSTRUMENT CUENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI NBG SUMCZOEYKCVFAW8ZLOOS J.P. Morgan AG 549300ZK53CNGEEI6A29	transaction as a percentage of the total volume in the specific category 100% 2021 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 82% 15%	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 85%	Percentage of passive orders N/A Percentage of passive orders N/A N/A	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A	Percentage of directed orders 100%
Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI CSFB 959800TMGPWX7NYM4R72 Year CATEGORY OF INSTRUMENT CULENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI NBG 5UMCZOEYKCVFAW8ZLO05 J.P. Morgan AG 549300ZK53CNGEEI6A29 ALPHA 5299009N55YRQC69CN08	transaction as a percentage of the total volume in the specific category 100% 2021 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 82%	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 85% 12% 2%	Percentage of passive orders N/A Percentage of passive orders N/A N/A N/A	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A	directed orders 100% Percentage of directed orders
Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI CSFB 959800TMGPWX7NYM4R72 Year CATEGORY OF INSTRUMENT CULENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI NBG 5UMCZOEYKCVFAW8ZLO05 J.P. Morgan AG 549300ZK53CNGEEI6A29 ALPHA 5299009N55YRQC69CN08	transaction as a percentage of the total volume in the specific category 100% 2021 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 82% 15% 2%	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 85% 12% 2% 1%	Percentage of passive orders N/A Percentage of passive orders N/A N/A	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A	Percentage of directed orders 100% Percentage of directed orders 100% 100%
Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI CSFB 959800TMGPWX7NYM4R72 Year CATEGORY OF INSTRUMENT CUENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI NBG 5UMCZOEYKCVFAW8ZLOOS J.P. Morgan AG 549300ZK53CNGEEI6A29 ALPHA 5299009N55YRQC69CN08 TPEIR 213800OYHR1MPQ5VJL60 Year	transaction as a percentage of the total volume in the specific category 100% 2021 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 82% 15% 2%	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 85% 12% 2% 1%	Percentage of passive orders N/A Percentage of passive orders N/A N/A N/A	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A	Percentage of directed orders 100% 100% 100% 100%
Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI CSFB 959800TMGPWX7NYM4R72 Year CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI NBG 5UMCZOEYKCVFAW8ZLO05 J.P. Morgan AG 549300ZK53CNGEEI6A29 ALPHA 5299009N5SYRQC69CN08 TPEIR 2138000YHR1MPQ5VJL60	transaction as a percentage of the total volume in the specific category 100% 2021 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 82% 15% 2%	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 85% 12% 2% 1%	Percentage of passive orders N/A Percentage of passive orders N/A N/A N/A	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A	Percentage of directed orders 100% Percentage of directed orders 100% 100%
Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI CSFB 959800TMGPWX7NYM4R72 Year CATEGORY OF INSTRUMENT CUENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI NBG 5UMCZOEYKCVFAW8ZLOO5 J.P. Morgan AG 549300ZK53CNGEEI6A29 ALPHA 5299009N55YRQC69CN08 TPEIR 2138000YHR1MPQ5VJL60 Year CATEGORY OF INSTRUMENT	transaction as a percentage of the total volume in the specific category 100% 2021 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 82% 15% 2%	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 85% 12% 2% 1% OVER-THE-COUNTER BONDS	Percentage of passive orders N/A Percentage of passive orders N/A N/A N/A	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A	Percentage of directed orders 100% Percentage of directed orders 100% 100%
Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI CSFB 959800TMGPWX7NYM4R72 Year CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI NBG 5UMCZOEYKCVFAW8ZLOO5 J.P. Morgan AG 549300ZK53CNGEEI6A29 ALPHA 5299009N5SYRQC69CN08 TPEIR 213800CYHR1MPQ5VJL60 Year CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year	transaction as a percentage of the total volume in the specific category 100% 2021 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 82% 15% 2 % 1% 2021 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 85% 12% 2% 1% OVER-THE-COUNTER BONDS PROFESSIONAL 0 Ratio of orders executed as a percentage of the total orders in the specific category	Percentage of passive orders N/A Percentage of passive orders N/A N/A N/A N/A N/A Percentage	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A N/A Percentage of aggressive orders	Percentage of directed orders 100% Percentage of directed orders 100% 100%
Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI CSFB 959800TMGPWX7NYM4R72 Year CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI NBG SUMCZOEYKCVFAW8ZLOO5 J.P. Morgan AG 549300ZK53CNGEEI6A29 ALPHA 5299009N55YRQC69CN08 TPEIR 2138000YHR1MPQ5VJL60 Year CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year	transaction as a percentage of the total volume in the specific category 100% 2021 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 82% 15% 2% 1% 2021 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 12% 2% 1% OVER-THE-COUNTER BONDS PROFESSIONAL 0 Ratio of orders executed as a percentage of the total orders in the specific category	Percentage of passive orders N/A Percentage of passive orders N/A N/A N/A N/A Percentage of passive orders	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A N/A N/A Percentage of aggressive orders	Percentage of directed orders 100% Percentage of directed orders 100% 100% 100% Percentage of directed orders
Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI CSFB 959800TMGPWX7NYM4R72 Year CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI NBG 5UMCZOEYKCVFAW8ZLOOS J.P. Morgan AG 549300ZKS3CNGEEI6A29 ALPHA 5299009N5SYRQC69CN08 TPEIR 213800CYHR1MPQ5VJL60 Year CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year	transaction as a percentage of the total volume in the specific category 100% 2021 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 82% 15% 2 % 1% 2021 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 85% 12% 2% 1% OVER-THE-COUNTER BONDS PROFESSIONAL 0 Ratio of orders executed as a percentage of the total orders in the specific category	Percentage of passive orders N/A Percentage of passive orders N/A N/A N/A N/A N/A Percentage of passive orders	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A N/A Percentage of aggressive orders	Percentage of directed orders 100% Percentage of directed orders 100% 100% 100%

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Year CATEGORY OF INSTRUMENT	2020	FOREIGN EQUITIES			
CLIENT CATEGORY		RETAIL	_		
Disclosure if <1 of the average transaction per business day during the previous year		0			
Brokers LEI	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	Ratio of orders executed as a percentage of the total orders in the specific category	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
COWEN EXECUTION SERVICE LIMITED 213800SS94VGJTFLIG64	66%		N/A	N/A	100%
INSTINET EUROPE LMT 213800MXAKR2LA1VBM44	34%	52%	N/A	N/A	100%
Year CATEGORY OF INSTRUMENT	2020	FOREIGN EQUITIES			
CLIENT CATEGORY		PROFESSIONAL			
Disclosure if <1 of the average transaction per business day during the previous year		0			
Brokers LEI	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	Ratio of orders executed as a percentage of the total orders in the specific category	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
COWEN EXECUTION 213800SS94VGJTFLIG64	54%	45%	N/A	N/A	100%
INSTINET EUROPE LMT 213800MXAKR2LA1VBM44	46%		N/A	N/A	100%
Year	2020				
CATEGORY OF INSTRUMENT	2020	FOREIGN EXCHANGE DERIVATIVE	ES		
CLIENT CATEGORY Disclosure if <1 of the average transaction per business		RETAIL			
day during the previous year		0			
Brokers LEI	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	Ratio of orders executed as a percentage of the total orders in the specific category	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
CSFB 959800TMGPWX7NYM4R72	100%	100%	N/A	N/A	100%
Year	2020				
CATEGORY OF INSTRUMENT	2020	FOREIGN EXCHANGE DERIVATIVE	ES		
CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business	2020		ES		
CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	FOREIGN EXCHANGE DERIVATIVE	Percentage	of aggressive	Percentage of directed orders
CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business	Ratio of the volume submitted in a transaction as a percentage of the total	PROFESSIONAL 0 Ratio of orders executed as a percentage of the total orders in	Percentage of passive orders	of	_
CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	PROFESSIONAL Ratio of orders executed as a percentage of the total orders in the specific category	Percentage of passive orders	of aggressive orders	directed orders
CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	PROFESSIONAL 0 Ratio of orders executed as a percentage of the total orders in the specific category 100%	Percentage of passive orders	of aggressive orders	directed orders
CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI CSFB 959800TMGPWX7NYM4R72 Year CATEGORY OF INSTRUMENT	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	PROFESSIONAL O Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS	Percentage of passive orders	of aggressive orders	directed orders
CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI CSFB 959800TMGPWX7NYM4R72 Year CATEGORY OF INSTRUMENT CLIENT CATEGORY	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	PROFESSIONAL 0 Ratio of orders executed as a percentage of the total orders in the specific category 100%	Percentage of passive orders	of aggressive orders	directed orders
CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI CSFB 959800TMGPWX7NYM4R72 Year CATEGORY OF INSTRUMENT	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	PROFESSIONAL O Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS	Percentage of passive orders	of aggressive orders	directed orders
CATEGORY OF INSTRUMENT CUENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI CSFB 959800TMGPWX7NYM4R72 Year CATEGORY OF INSTRUMENT CUENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	PROFESSIONAL O Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS	Percentage of passive orders N/A	of aggressive orders N/A Percentage of aggressive	directed orders
CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI CSFB 959800TMGPWX7NYM4R72 Year CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI NBG SUMCZOEYKCVFAW8ZLO05	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 100% 2020 Ratio of the volume submitted in a transaction as a percentage of the total	PROFESSIONAL O Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL O Ratio of orders executed as a percentage of the total orders in the specific category	Percentage of passive orders N/A Percentage of passive orders N/A	of aggressive orders N/A Percentage of aggressive orders N/A	100% Percentage of directed orders 100%
CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI CSFB 959800TMGPWX7NYM4R72 Year CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI NBG SUMCZOEYKCVFAW8ZLOOS J.P. Morgan AG 549300ZK53CNGEEI6A29	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 100% 2020 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 78%	PROFESSIONAL O Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category	Percentage of passive orders N/A Percentage of passive orders N/A N/A	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A	Percentage of directed orders 100%
CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI CSFB 959800TMGPWX7NYM4R72 Year CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI NBG SUMCZOEYKCVFAW8ZLO05	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 2020 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	PROFESSIONAL O Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category	Percentage of passive orders N/A Percentage of passive orders N/A	of aggressive orders N/A Percentage of aggressive orders N/A	Percentage of directed orders 100% Percentage of directed orders 100% 100%
CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI CSFB 959800TMGPWX7NYM4R72 Year CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI NBG SUMCZOEYKCVFAW8ZLO05 J.P. Morgan AG 549300ZK53CNGEEI6A29 ALPHA 5299009N5SYRQC69CN08 TPEIR 2138000YHR1MPQ5VJL60	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 2020 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 78% 16% 3%	PROFESSIONAL O Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL O Ratio of orders executed as a percentage of the total orders in the specific category 120% 85% 12% 2% 1%	Percentage of passive orders N/A Percentage of passive orders N/A N/A N/A	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A	Percentage of directed orders 100%
CATEGORY OF INSTRUMENT CUENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI CSFB 959800TMGPWX7NYM4R72 Year CATEGORY OF INSTRUMENT CUENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI NBG SUMCZOEYKCVFAW8ZLO05 J.P. Morgan AG 549300ZK53CNGEEI6A29 ALPHA 5299009N55YRQC69CN08	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 100% 2020 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 78% 16% 3%	PROFESSIONAL O Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL O Ratio of orders executed as a percentage of the total orders in the specific category 120% 85% 12% 2% 1%	Percentage of passive orders N/A Percentage of passive orders N/A N/A N/A	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A	Percentage of directed orders 100% Percentage of directed orders 100% 100%
CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI CSFB 959800TMGPWX7NYM4R72 Year CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI NBG SUMCZOEYKCVFAW8ZLO05 J.P. Morgan AG 549300ZK53CNGEEI6A29 ALPHA 5299009N5SYRQC69CN08 TPEIR 213800CYHR1MPQ5VJL60 Year CATEGORY OF INSTRUMENT CLIENT CATEGORY	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 2020 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 78% 16% 3%	PROFESSIONAL O Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 12% 25% 12% 14%	Percentage of passive orders N/A Percentage of passive orders N/A N/A N/A	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A	Percentage of directed orders 100% Percentage of directed orders 100% 100%
CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI CSFB 959800TMGPWX7NYM4R72 Year CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI NBG 5UMCZOEYKCVFAW8ZLOO5 J.P. Morgan AG 549300ZX53CNGEE16A29 ALPHA 5299009N5SYRQC69CN08 TPEIR 213800OYHR1MPQ5VJL60 Year CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 2020 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 78% 16% 3%	PROFESSIONAL O Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS 12% 12% 12% 14% OVER-THE-COUNTER BONDS	Percentage of passive orders N/A Percentage of passive orders N/A N/A N/A	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A	Percentage of directed orders 100% Percentage of directed orders 100% 100%
CATEGORY OF INSTRUMENT CUENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI CSFB 959800TMGPWX7NYM4R72 Year CATEGORY OF INSTRUMENT CUENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI NBG SUMCZOEYKCVFAW8ZLOO5 J.P. Morgan AG 549300ZK53CNGEE16A29 ALPHA 5299009N5SYRQC69CN08 TPEIR 213800OYHR1MPQ5VJL60 Year CATEGORY OF INSTRUMENT CUENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 2020 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 78% 16% 3%	PROFESSIONAL Ratio of orders executed as a percentage of the total orders in the specific category OVER-THE-COUNTER BONDS RETAIL Ratio of orders executed as a percentage of the total orders in the specific category 85% 12% 2% 1% OVER-THE-COUNTER BONDS PROFESSIONAL 0 Ratio of orders executed as a percentage of the total orders in the specific category	Percentage of passive orders N/A Percentage of passive orders N/A N/A N/A N/A N/A Percentage	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A N/A N/A Percentage of aggressive orders	Percentage of directed orders 100% Percentage of directed orders 100% 100%
CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI CSFB 959800TMGPWX7NYM4R72 Year CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI NBG SUMCZOEYKCVFAW8ZLOOS J.P. Morgan AG 549300ZK53CNGEEI6A29 ALPHA 5299009N55YRQC69CN08 TPEIR 213800YHR1MPQ5VJL60 Year CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 2020 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 78% 16% 3% 3% 2020 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	PROFESSIONAL O Ratio of orders executed as a percentage of the total orders in the specific category OVER-THE-COUNTER BONDS RETAIL O Ratio of orders executed as a percentage of the total orders in the specific category 85% 12% 2% 1% OVER-THE-COUNTER BONDS PROFESSIONAL O Ratio of orders executed as a percentage of the total orders in the specific category	Percentage of passive orders N/A Percentage of passive orders N/A N/A N/A N/A Percentage of passive orders	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A N/A N/A Percentage of aggressive orders	Percentage of directed orders 100% Percentage of directed orders 100% 100% 100% Percentage of directed orders
CATEGORY OF INSTRUMENT CUENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI CSFB 959800TMGPWX7NYM4R72 Year CATEGORY OF INSTRUMENT CUENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI NBG 5UMCZOEYKCVFAW8ZLOO5 J.P. Morgan AG 549300ZK53CNGEEI6A29 ALPHA 5299007N5SYRQC69CN08 TPEIR 213800OYHR1MPQ5VJL60 Year CATEGORY OF INSTRUMENT CUENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 100% 2020 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 78% 16% 3% 3% 2020 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	PROFESSIONAL O Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 12% 2% 1% OVER-THE-COUNTER BONDS PROFESSIONAL 0 Ratio of orders executed as a percentage of the total orders in the specific category	Percentage of passive orders N/A Percentage of passive orders N/A N/A N/A N/A N/A Percentage of passive	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A N/A N/A Percentage of aggressive orders	Percentage of directed orders 100% Percentage of directed orders 100% 100% 100%

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	2019	FOREIGN EQUITIES			
CATEGORY		RETAIL			
age transaction per business e previous year		0			
	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	Ratio of orders executed as a percentage of the total orders in the specific category	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
213800SS94VGJTFLIG64	71%			N/A	100%
213800IVIXAKKZLATV BIVI44	29%	43%	N/A	N/A	100%
ear	2019				
CATEGORY		PROFESSIONAL			
age transaction per business e previous year		0			
	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	Ratio of orders executed as a percentage of the total orders in the specific category	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
213800MXAKR2LA1VBM44	98%	98%	N/A	N/A	100%
213800SS94VGJTFLIG64	2%	2%	N/A	N/A	100%
'ear	2019				
FINSTRUMENT			ES		
age transaction per business		RETAIL			
	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	Ratio of orders executed as a percentage of the total orders in the specific category	Percentage of passive orders	of aggressive	Percentage of directed orders
9800TMGPWX7NYM4R72	100%	100%	N/A	N/A	100%
'ear	2019				
F INSTRUMENT CATEGORY			ES		
age transaction per business e previous year		0			
	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	Ratio of orders executed as a percentage of the total orders in the specific category	Percentage of passive orders	of aggressive	Percentage of directed orders
9800TMGPWX7NYM4R72	100%	100%	N/A	N/A	100%
'ear	2019				
F INSTRUMENT	2019	OVER-THE-COUNTER BONDS			
F INSTRUMENT CATEGORY	2019				
F INSTRUMENT	2019	OVER-THE-COUNTER BONDS			
F INSTRUMENT CATEGORY age transaction per business e previous year	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	OVER-THE-COUNTER BONDS	Percentage of passive orders	of aggressive	Percentage of directed orders
F INSTRUMENT CATEGORY age transaction per business	Ratio of the volume submitted in a transaction as a percentage of the total	OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category	of passive	of	
FINSTRUMENT -ATEGORY age transaction per business e previous year IMCZOEYKCVFAW8ZLO05 9300ZK53CNGEEI6A29	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 68% 12%	OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 70% 22%	of passive orders N/A N/A	of aggressive orders N/A N/A	directed orders 100% 100%
FINSTRUMENT -ATEGORY age transaction per business e previous year	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 68%	OVER-THE-COUNTER BONDS RETAIL O Ratio of orders executed as a percentage of the total orders in the specific category 70% 22% 6%	of passive orders	of aggressive orders N/A	directed orders
FINSTRUMENT CATEGORY age transaction per business e previous year JIMCZOEYKCVFAW8ZLO05 9300ZKSJCNGEEI6A29 99009N55YRQC69CN08 38000YHR1MPQSVJL60	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 68% 12% 11% 9%	OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 70% 22% 6% 3%	of passive orders N/A N/A N/A	of aggressive orders N/A N/A N/A	100% 100% 100%
FINSTRUMENT CATEGORY age transaction per business e previous year IMCZOEYKCVFAW8ZLOO5 9300ZK53CNGEEI6A29 99009N55YRQC69CN08	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 68% 12% 11%	OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 70% 22% 6% 3%	of passive orders N/A N/A N/A	of aggressive orders N/A N/A N/A	100% 100% 100%
FINSTRUMENT CATEGORY age transaction per business e previous year IMCZOEYKCVFAW8ZLOO5 BBOOZK53CNGEEI6A29 BBOOGNESSYRQC69CNO8 BBOOGYHRIMPQSVJL60 TEAT TOTAL TOT	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 68% 12% 11% 9%	OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 70% 22% 6% 3%	of passive orders N/A N/A N/A	of aggressive orders N/A N/A N/A	100% 100% 100%
FINSTRUMENT CATEGORY age transaction per business e previous year JMCZOEYKCVFAW8ZLOO5 9300ZK53CNGEEI6A29 99009N55YRQC69CN08 38000YHRIMPQSVJL60 Tear FINSTRUMENT	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 68% 12% 11% 9%	OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 70% 22% 6% 3% OVER-THE-COUNTER BONDS	of passive orders N/A N/A N/A	of aggressive orders N/A N/A N/A N/A	100% 100% 100%
FINSTRUMENT CATEGORY age transaction per business e previous year IMCZOEYKCVFAW8ZLO05 B3000ZKS3CNGEFIGA29 99009N55YRQC69CN08 38000YHRIMPQ5VJL60 Tear FINSTRUMENT CATEGORY age transaction per business e previous year	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 68% 12% 11% 9%	OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 70% 22% 6% 3% OVER-THE-COUNTER BONDS	of passive orders N/A N/A N/A	of aggressive orders N/A N/A N/A N/A N/A Percentage of aggressive	100% 100% 100%
FINSTRUMENT ATEGORY age transaction per business e previous year IMCZOEYKCVFAW8ZLO05 9300ZKS3CNGEFI6A29 99009N55YRQC69CN08 3800OYHRIMPQ5VJL60 Tear FINSTRUMENT ATEGORY age transaction per business	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 68% 12% 11% 9% 2019 Ratio of the volume submitted in a transaction as a percentage of the total	OVER-THE-COUNTER BONDS RETAIL O Ratio of orders executed as a percentage of the total orders in the specific category 70% 22% 6% 3% OVER-THE-COUNTER BONDS PROFESSIONAL 0 Ratio of orders executed as a percentage of the total orders in	of passive orders N/A N/A N/A N/A N/A Percentage of passive orders	of aggressive orders N/A N/A N/A N/A N/A Percentage	100% 100% 100% 100%
	213800MXAKR2LA1VBM44 213800MXAKR2LA1VBM44 213800MXAKR2LA1VBM44 213800MXAKR2LA1VBM44 213800MXAKR2LA1VBM44 213800MXAKR2LA1VBM44 213800SS94VGJTFLIG64 213800MXAKR2LA1VBM44 213800SS94VGJTFLIG64 213800MXAKR2LA1VBM47 213800MXAKR2LA1VBM47	volume in the specific category 213800SS94VGJTFLIG64 213800MXAKR2LA1VBM44 29% F INSTRUMENT CATEGORY 213800MXAKR2LA1VBM44 213800SS94VGJTFLIG64 2% Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 213800MXAKR2LA1VBM44 213800SS94VGJTFLIG64 2% F INSTRUMENT CATEGORY 2019 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 2019 F INSTRUMENT CATEGORY 2019 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 2019 P INSTRUMENT CATEGORY 2019 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	volume in the specific category 213800SS94VGJTFLIG64 213800MXAKR2LA1VBM44 29% 43% FOREIGN EQUITIES PROFESSIONAL Ratio of the volume submitted in a transaction per business e previous year PINSTRUMENT ATEGORY Ratio of the volume submitted in a transaction per business e previous year Ratio of the volume in the specific category 213800MXAKR2LA1VBM44 213800SS94VGJTFLIG64 2% 2% 2% POREIGN EQUITIES PROFESSIONAL Ratio of orders executed as a percentage of the total orders in the specific category POREIGN EXCHANGE DERIVATIVI RETAIL R	volume in the specific category 213800SS94VGJTFLIG64 213800MXAKR2LA1VBM44 29% 2019 FINSTRUMENT ATEGORY Ratio of the volume submitted in a transaction as a percentage of the total orders in volume in the specific category FOREIGN EXCHANGE DERIVATIVES ATEGORY 2019 Ratio of orders executed as a percentage of the total orders in the specific category 213800MXAKR2LA1VBM44 213800SS94VGJTFLIG64 29% 2019 FINSTRUMENT ATEGORY ARTIOL ARTICL	volume in the specific category the specific category orders 213800SS94VGJTFLIG64 213800MXAKR2LA1VBM44 229% 2019 FINSTRUMENT CATEGORY Ratio of the volume submitted in a transaction per business e previous year 213800MXAKR2LA1VBM44 29% Ratio of the volume submitted in a transaction per business e previous year 213800MXAKR2LA1VBM44 213800SS94VGJTFLIG64 29% 2019 FINSTRUMENT CATEGORY Ratio of the volume submitted in a transaction per business e previous year 213800MXAKR2LA1VBM44 213800SS94VGJTFLIG64 29% 2019 FINSTRUMENT CATEGORY RETAIL Ratio of the volume submitted in a transaction per business e previous year Ratio of the volume submitted in a transaction per business e previous year Ratio of the volume submitted in a transaction per business e previous year Ratio of the volume submitted in a transaction per business e previous year Ratio of the volume submitted in a transaction per business e previous year Ratio of the volume submitted in a transaction per business e previous year Ratio of the volume submitted in a transaction per business e previous year 2019 FINSTRUMENT CATEGORY RETAIL Percentage of the total orders in the specific category Professional Ratio of orders executed as a percentage of the total orders in the specific category Professional Ratio of orders executed as a percentage of the total orders in the specific category Ratio of orders orders Professional Ratio of orders executed as a percentage of the total orders in the specific category Professional Ratio of orders executed as a percentage of the total orders in the specific category Ratio of the volume in the specific category Ratio of orders executed as a percentage of the total orders in the specific category Ratio of orders executed as a percentage of the total orders in the specific category Professional Ratio of orders executed as a percentage of the total orders in the specific category Professional Ratio of orders executed as a percentage of the total orders in the specific category Professional Rat

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Year CATEGORY OF INSTRUMENT	2018	FOREIGN EQUITIES			
CLIENT CATEGORY		RETAIL			
Disclosure if <1 of the average transaction per business day during the previous year		0			
Brokers LEI	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	Ratio of orders executed as a percentage of the total orders in the specific category	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
COWEN EXECUTION SERVICE LIMITED 13800SS94VGJTFLIG64 INSTINET EUROPE LMT 213800MXAKR2LA1VBM44	78% 22%	71% 29%		N/A N/A	100%
			14/74	IN/A	100%
Year CATEGORY OF INSTRUMENT	2018	FOREIGN EQUITIES			
CLIENT CATEGORY		PROFESSIONAL			
Disclosure if <1 of the average transaction per business day during the previous year		0			
Brokers LEI	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	Ratio of orders executed as a percentage of the total orders in the specific category	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
INSTINET EUROPE LMT 213800MXAKR2LA1VBM44	97%	97%	N/A	N/A	100%
COWEN EXECUTION 213800SS94VGJTFLIG64 SERVICE LIMITED	3%	3%	N/A	N/A	100%
Year	2018				
CATEGORY OF INSTRUMENT		FOREIGN EXCHANGE DERIVATIVE	ES		,
Disclosure if <1 of the average transaction per business		RETAIL			
day during the previous year Brokers LEI	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	Ratio of orders executed as a percentage of the total orders in the specific category	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
CSFB 959800TMGPWX7NYM4R72	100%	100%	N/A	N/A	100%
·					
Year	2018				
CATEGORY OF INSTRUMENT CLIENT CATEGORY		FOREIGN EXCHANGE DERIVATIVE PROFESSIONAL	ES		I
Disclosure if <1 of the average transaction per business day during the previous year		0			
	Ratio of the volume submitted in a transaction as a percentage of the total	Ratio of orders executed as a percentage of the total orders in	Percentage of passive	Percentage of	Percentage of
Brokers LEI	volume in the specific category	the specific category	orders	aggressive	directed orders
Brokers LEI CSFB 959800TMGPWX7NYM4R72		the specific category		aggressive orders N/A	directed orders
	volume in the specific category			orders	
	volume in the specific category	100%		orders	
CSFB 959800TMGPWX7NYM4R72 Year CATEGORY OF INSTRUMENT	volume in the specific category 100%	100% OVER-THE-COUNTER BONDS		orders	
CSFB 959800TMGPWX7NYM4R72 Year CATEGORY OF INSTRUMENT CLIENT CATEGORY	volume in the specific category 100%	100%		orders	
CSFB 959800TMGPWX7NYM4R72 Year CATEGORY OF INSTRUMENT	volume in the specific category 100%	100% OVER-THE-COUNTER BONDS		orders	
Year CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year	volume in the specific category 100%	100% OVER-THE-COUNTER BONDS	N/A Percentage	orders N/A Percentage of aggressive	
Year CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI NBG 5UMCZOEYKCVFAW8ZLO05	volume in the specific category 100% 2018 Ratio of the volume submitted in a transaction as a percentage of the total	OVER-THE-COUNTER BONDS RETAIL O Ratio of orders executed as a percentage of the total orders in the specific category	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Year CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI NBG SUMCZOEYKCVFAW8ZLO05 J.P. Morgan AG 549300ZK53CNGEEI6A29	volume in the specific category 100% 2018 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 54% 37%	OVER-THE-COUNTER BONDS RETAIL O Ratio of orders executed as a percentage of the total orders in the specific category 59% 28%	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Year CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI NBG 5UMCZOEYKCVFAW8ZLO05	volume in the specific category 100% 2018 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 54%	OVER-THE-COUNTER BONDS RETAIL O Ratio of orders executed as a percentage of the total orders in the specific category 59% 28% 8%	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders 100% 100% 100%
Year CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI NBG SUMCZOEYKCVFAW8ZLO05 J.P. Morgan AG 549300ZK53CNGEEI6A29 ALPHA 5299009N5SYRQC69CN08 TPEIR 213800OYHR1MPQSVJI60	volume in the specific category 100% 2018 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 54% 37% 5% 4%	OVER-THE-COUNTER BONDS RETAIL O Ratio of orders executed as a percentage of the total orders in the specific category 59% 28% 8% 5%	Percentage of passive orders N/A N/A	orders N/A Percentage of aggressive orders N/A N/A N/A	Percentage of directed orders
Year CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI NBG SUMCZOEYKCVFAW8ZLO05 J.P. Morgan AG 549300ZK53CNGEEI6A29 ALPHA 5299009N55YRQC69CN08 TPEIR 213800OYHR1MPQ5VJL60 Year CATEGORY OF INSTRUMENT	volume in the specific category 100% 2018 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 54% 37% 55%	OVER-THE-COUNTER BONDS RETAIL O Ratio of orders executed as a percentage of the total orders in the specific category 59% 28% 8% 5% OVER-THE-COUNTER BONDS	Percentage of passive orders N/A N/A	orders N/A Percentage of aggressive orders N/A N/A N/A	Percentage of directed orders 100% 100% 100%
Year CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI NBG SUMCZOEYKCVFAW8ZLO05 J.P. Morgan AG 549300ZK53CNGEEI6A29 ALPHA 5299009N55YRQC69CN08 TPEIR 2138000YHR1MPQ5VJL60 Year CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business	volume in the specific category 100% 2018 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 54% 37% 5% 4%	OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 59% 28% 8% 5%	Percentage of passive orders N/A N/A	orders N/A Percentage of aggressive orders N/A N/A N/A	Percentage of directed orders 100% 100% 100%
Year CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI NBG SUMCZOEYKCVFAW8ZLOO5 J.P. Morgan AG 549300ZK53CNGEEI6A29 ALPHA 5299009N55YRQC69CN08 TPEIR 2138000YHR1MPQ5VJL60 Year CATEGORY OF INSTRUMENT CLIENT CATEGORY	volume in the specific category 100% 2018 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 54% 37% 5% 4% 2018 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	OVER-THE-COUNTER BONDS RETAIL O Ratio of orders executed as a percentage of the total orders in the specific category 59% 28% 8% 5% OVER-THE-COUNTER BONDS PROFESSIONAL O Ratio of orders executed as a percentage of the total orders in	Percentage of passive orders N/A N/A N/A N/A Percentage of passive	Percentage of aggressive orders N/A N/A N/A N/A Percentage of aggressive orders	Percentage of directed orders 100% 100% 100%
Year CATEGORY OF INSTRUMENT CUENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI NBG SUMCZOEYKCVFAW8ZLOOS J.P. Morgan AG 549300ZK53CNGEEI6A29 ALPHA 5299009N55YRQC69CN08 TPEIR 2138000YHR1MPQ5VJL60 Year CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year	volume in the specific category 100% 2018 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 54% 37% 5% 4% 2018 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	OVER-THE-COUNTER BONDS RETAIL Ratio of orders executed as a percentage of the total orders in the specific category 59% 28% 8% 5% OVER-THE-COUNTER BONDS PROFESSIONAL 0 Ratio of orders executed as a percentage of the total orders in the specific category	Percentage of passive orders N/A N/A N/A N/A Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders 100% 100% 100% 100% Percentage of directed orders
Year CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI NBG SUMCZOEYKCVFAW8ZLO05 J.P. Morgan AG 549300ZK53CNGEEI6A29 ALPHA 5299009N55YRQC69CN08 TPEIR 213800OYHR1MPQ5VJL60 Year CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year	volume in the specific category 100% 2018 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 54% 37% 5% 4% 2018 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	OVER-THE-COUNTER BONDS RETAIL O Ratio of orders executed as a percentage of the total orders in the specific category 59% 28% 8% 5% OVER-THE-COUNTER BONDS PROFESSIONAL O Ratio of orders executed as a percentage of the total orders in the specific category	Percentage of passive orders N/A N/A N/A N/A Percentage of passive orders	Percentage of aggressive orders N/A N/A N/A N/A Percentage of aggressive orders	Percentage of directed orders 100% 100% 100% Percentage of