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	2023				
	RY OF INSTRUMENT		FOREIGN EQUITIES			
	NT CATEGORY		RETAIL	1		
	average transaction per business 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 directed orders
Brokers	LEI	volume in the specific category	the specific category	orders	orders	0.1100000000000000000000000000000000000
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				
CATEGORY OF INSTRUMENT CLIENT CATEGORY			FOREIGN EQUITIES PROFESSIONAL			
	everage transaction per business		THOTEGOTOTIC			
	gthe previous year		0			
		Ratio of the volume submitted in a	Ratio of orders executed as a	Percentage	Percentage of	D
		transaction as a percentage of the total	percentage of the total orders in	of passive	aggressive	Percentage of 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	549300CLI9XDH12XV51 9695005EOZG9X8IRJD84	8% 19%		N/A N/A	N/A N/A	100% 100%
INSTINET EUROPE LMT	213800MXAKR2LA1VBM44	62%		N/A	N/A	100%
THE POST OF EATH	220001110111120121011111	52.0	0070	. 4,	1471	255/0
	Year	2023				
	RY OF INSTRUMENT		FOREIGN EXCHANGE DERIVATI	VES		
	NT CATEGORY		RETAIL	1		
	average transaction per business 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		_	aggressive	Percentage of directed orders
Brokers	LEI	volume in the specific category	the specific category	orders	orders	directed orders
DB	7LTW FZYICNSX8D621K86	100%	100%	N/A	N/A	100%
-	7ETTTETTOTTOTODGE21GG		100/6	14/21		100/0
				14/71	,	100/0
	Year	2023				100/0
CATEGOR						10070
CATEGOR CUE Disclosure if <1 of the a	Year RY OF INSTRUMENT NT CATEGORY everage transaction per business		FOREIGN EXCHANGE DERIVATI			20070
CATEGOR CUE Disclosure if <1 of the a	Year RY OF INSTRUMENT NT CATEGORY		FOREIGN EXCHANGE DERIVATI			2000
CATEGOR CUE Disclosure if <1 of the a	Year RY OF INSTRUMENT NT CATEGORY everage transaction per business	2023 Ratio of the volume submitted in a	FOREIGN EXCHANGE DERIVATI PROFESSIONAL 0 Ratio of orders executed as a	VES Percentage	Percentage of	
CATEGOR CUE Disclosure if <1 of the a	Year RY OF INSTRUMENT NT CATEGORY everage transaction per business	2023 Ratio of the volume submitted in a transaction as a percentage of the total	FOREIGN EXCHANGE DERIVATI PROFESSIONAL 0 Ratio of orders executed as a percentage of the total orders in	VES Percentage of passive	Percentage of aggressive	Percentage of directed orders
CATEGOR CUE Disclosure if <1 of the a day durin. Brokers	Year XY OF INSTRUMENT NT CATEGORY swerage transaction per business g the previous year LEI	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	FOREIGN EXCHANGE DERIVATI PROFESSIONAL 0 Ratio of orders executed as a percentage of the total orders in the specific category	VES Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
CATEGOR CLIE Disclosure if <1 of the a day durin	Year IY OF INSTRUMENT NT CATEGORY sverage transaction per business g the previous year	2023 Ratio of the volume submitted in a transaction as a percentage of the total	FOREIGN EXCHANGE DERIVATI PROFESSIONAL 0 Ratio of orders executed as a percentage of the total orders in	VES Percentage of passive orders	Percentage of aggressive	P ercentage of
CATEGOR CUE Disclosure if <1 of the a day durin. Brokers	Year XY OF INSTRUMENT NT CATEGORY swerage transaction per business g the previous year LEI	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	FOREIGN EXCHANGE DERIVATI PROFESSIONAL 0 Ratio of orders executed as a percentage of the total orders in the specific category 100%	VES Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
CATEGOR CLIE Disclosure if <1 of the e day durin Brokers DB CATEGOR	Year XY OF INSTRUMENT NT CATEGORY EVER EVER EVER EVER EVER EVER EVER EVER	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 100%	FOREIGN EXCHANGE DERIVATI PROFESSIONAL 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	Percentage of aggressive orders	Percentage of directed orders
CATEGOR CUE Disclosure if <1 of the e day durin Brokers DB CATEGOR CUE	Year NY OF INSTRUMENT NT CATEGORY average transaction per business g the previous year LEI 7LTWFZYICNSX8D621K86 Year NY OF INSTRUMENT NT CATEGORY	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 100%	FOREIGN EXCHANGE DERIVATI PROFESSIONAL 0 Ratio of orders executed as a percentage of the total orders in the specific category 100%	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
CATEGOR CUE Disclosure if <1 of the a day durin. Brokers DB CATEGOR CUE Disclosure if <1 of the a	Year XY OF INSTRUMENT NT CATEGORY EVER EVER EVER EVER EVER EVER EVER EVER	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 100%	FOREIGN EXCHANGE DERIVATI PROFESSIONAL 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	Percentage of aggressive orders	Percentage of directed orders
CATEGOR CUE Disclosure if <1 of the a day durin. Brokers DB CATEGOR CUE Disclosure if <1 of the a	Year NY OF INSTRUMENT NT CATEGORY average transaction per business g the previous year LEI 7LTWFZYICNSX8D621K86 Year NY OF INSTRUMENT NT CATEGORY average transaction per business	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 100%	FOREIGN EXCHANGE DERIVATI PROFESSIONAL 0 Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL	Percentage of passive orders N/A	Percentage of aggressive orders N/A	Percentage of directed orders
CATEGOR CUE Disclosure if <1 of the a day durin. Brokers DB CATEGOR CUE Disclosure if <1 of the a	Year NY OF INSTRUMENT NT CATEGORY average transaction per business g the previous year LEI 7LTWFZYICNSX8D621K86 Year NY OF INSTRUMENT NT CATEGORY average transaction per business	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 100%	POREIGN EXCHANGE DERIVATI PROFESSIONAL 0 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 passive orders N/A	Percentage of aggressive orders N/A Percentage of	Percentage of directed orders 100%
CATEGOR CUE Disclosure if <1 of thee day durin Brokers DB CATEGOR CUE Disclosure if <1 of thee day durin	Year NY OF INSTRUMENT NT CATEGORY average transaction per business g the previous year LEI 7LTWFZYICNSX8D621K86 Year NY OF INSTRUMENT NT CATEGORY 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 100% 2023 Ratio of the volume submitted in a	POREIGN EXCHANGE DERIVATI PROFESSIONAL 0 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 passive orders N/A	Percentage of aggressive orders N/A Percentage of	Percentage of directed orders 100%
CATEGOR CUE Disclosure if <1 of the a day durin. Brokers DB CATEGOR CUE Disclosure if <1 of the a	Year NY OF INSTRUMENT NT CATEGORY average transaction per business g the previous year LEI 7LTWFZYICNSX8D621K86 Year NY OF INSTRUMENT NT CATEGORY average transaction per business	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 100% 2023 Ratio of the volume submitted in a transaction as a percentage of the total	FOREIGN EXCHANGE DERIVATI PROFESSIONAL 0 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	Percentage of aggressive orders N/A Percentage of aggressive	Percentage of directed orders 100%
CATEGOR CUE Disclosure if <1 of the a day durin Brokers DB CATEGOR CUE Disclosure if <1 of the a day durin	Year IY OF INSTRUMENT NT CATEGORY average transaction per business gthe previous year LEI 7LTWFZYICNSX8D621K86 Year IY OF INSTRUMENT NT CATEGORY average transaction per business gthe previous year	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 100% 2023 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	FOREIGN EXCHANGE DERIVATION PROFESSIONAL ORATIO of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL ORATIO 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	Percentage of aggressive orders N/A Percentage of aggressive orders	Percentage of directed orders 100% Percentage of directed orders
CATEGOR CUE Disclosure if <1 of the a day durin Brokers DB CATEGOR CUE Disclosure if <1 of the a day durin	Year NY OF INSTRUMENT NT CATEGORY average transaction per business g the previous year LEI 7LTWFZYICNSX8D621K86 Year NY OF INSTRUMENT NT CATEGORY average transaction per business g the previous year LEI 5UMCZOEYKCVFAW8ZLOO5 549300ZKS3CNGEEI6A29	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 100% 2023 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 95% 5%	POREIGN EXCHANGE DERIVATI PROFESSIONAL 0 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 93% 7%	Percentage of passive orders N/A Percentage of passive orders N/A	Percentage of aggressive orders N/A Percentage of aggressive orders N/A	Percentage of directed orders 100% Percentage of directed orders
CATEGOR CUE Disclosure if <1 of the a day durin Brokers DB CATEGOR CUE Disclosure if <1 of the a day durin Brokers NBG J.P. Morgan AG	Year Year YOF INSTRUMENT NT CATEGORY werage transaction per business gthe previous year LEI 7LTWFZYICNSX8D621K86 Year YOF INSTRUMENT NT CATEGORY average transaction per business gthe previous year LEI SUMCZOEYKCVFAW8ZLOOS	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 100% 2023 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	POREIGN EXCHANGE DERIVATI PROFESSIONAL 0 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 93% 7%	Percentage of passive orders N/A Percentage of passive orders N/A N/A N/A	Percentage of aggressive orders N/A Percentage of aggressive orders N/A	Percentage of directed orders 100% Percentage of directed orders
CATEGOR CLIE Disclosure if <1 of thee day during Brokers DB CATEGOR CLIE Disclosure if <1 of thee day during Brokers NBG J.P. Morgan AG CATEGOR CLIE CATEGOR CLIE CATEGOR CLIE CATEGOR CLIE CATEGOR CLIE CLIE CLIE CLIE CLIE CLIE CLIE CLIE	Year XY OF INSTRUMENT NT CATEGORY average transaction per business g the previous year LEI 7LTWFZYICNSX8D621K86 Year XY OF INSTRUMENT NT CATEGORY average transaction per business g the previous year LEI SUMCZOEYKCVFAW8ZLOO5 549300ZK53CNGEEI6A29 Year XY OF INSTRUMENT NT CATEGORY	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 100% 2023 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 95% 5%	FOREIGN EXCHANGE DERIVATION PROFESSIONAL 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 93% 7%	Percentage of passive orders N/A Percentage of passive orders N/A N/A N/A	Percentage of aggressive orders N/A Percentage of aggressive orders N/A	Percentage of directed orders 100% Percentage of directed orders
CATEGOR CLIE Disclosure if <1 of the exidate day during Brokers DB CATEGOR CLIE Disclosure if <1 of the exidate day during Brokers NBG J.P. Morgan AG CATEGOR CLIE Disclosure if <1 of the exidate day during	Year NY OF INSTRUMENT NT CATEGORY average transaction per business g the previous year LEI 7LTWFZYICNSX8D621K86 Year NY OF INSTRUMENT NT CATEGORY average transaction per business g the previous year LEI SUMCZOEYKCVFAW8ZLOO5 549300ZKS3CNGEEI6A29 Year XY OF INSTRUMENT NT CATEGORY average transaction per business TO STRUMENT NT CATEGORY average transaction per business	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 100% 2023 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 95% 5%	FOREIGN EXCHANGE DERIVATION PROFESSIONAL ORATIO of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL ORATIO of orders executed as a percentage of the total orders in the specific category 93% 7% OVER-THE-COUNTER BONDS	Percentage of passive orders N/A Percentage of passive orders N/A N/A N/A	Percentage of aggressive orders N/A Percentage of aggressive orders N/A	Percentage of directed orders 100% Percentage of directed orders
CATEGOR CLIE Disclosure if <1 of the exidate day during Brokers DB CATEGOR CLIE Disclosure if <1 of the exidate day during Brokers NBG J.P. Morgan AG CATEGOR CLIE Disclosure if <1 of the exidate day during	Year XY OF INSTRUMENT NT CATEGORY average transaction per business g the previous year LEI 7LTWFZYICNSX8D621K86 Year XY OF INSTRUMENT NT CATEGORY average transaction per business g the previous year LEI SUMCZOEYKCVFAW8ZLOO5 549300ZK53CNGEEI6A29 Year XY OF INSTRUMENT NT CATEGORY	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 100% 2023 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 95% 5%	FOREIGN EXCHANGE DERIVATI PROFESSIONAL 0 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 93% 7% OVER-THE-COUNTER BONDS PROFESSIONAL	Percentage of passive orders N/A Percentage of passive orders N/A S Percentage of passive orders N/A N/A S	Percentage 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%
CATEGOR CLIE Disclosure if <1 of the exidate day during Brokers DB CATEGOR CLIE Disclosure if <1 of the exidate day during Brokers NBG J.P. Morgan AG CATEGOR CLIE Disclosure if <1 of the exidate day during	Year NY OF INSTRUMENT NT CATEGORY average transaction per business g the previous year LEI 7LTWFZYICNSX8D621K86 Year NY OF INSTRUMENT NT CATEGORY average transaction per business g the previous year LEI SUMCZOEYKCVFAW8ZLOO5 549300ZKS3CNGEEI6A29 Year XY OF INSTRUMENT NT CATEGORY average transaction per business TO STRUMENT NT CATEGORY average transaction per business	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 100% Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 95% 5% 2023	FOREIGN EXCHANGE DERIVATION PROFESSIONAL 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 93% 7% OVER-THE-COUNTER BONDS PROFESSIONAL 0 Ratio of orders executed as a	Percentage of passive orders N/A Percentage of passive orders N/A N/A N/A Percentage	Percentage of aggressive orders N/A Percentage of aggressive orders N/A N/A Percentage of aggressive orders	Percentage of directed orders 100% Percentage of directed orders
CATEGOR CUE Disclosure if <1 of these day durin Brokers DB CATEGOR CUE Disclosure if <1 of these day durin Brokers NBG J.P. Morgan AG CATEGOR CUE Disclosure if <1 of these day durin	Year IY OF INSTRUMENT NT CATEGORY average transaction per business gthe previous year LEI 7LTWFZYICNSX8D621K86 Year IY OF INSTRUMENT NT CATEGORY average transaction per business gthe previous year LEI 5UMCZOEYKCVFAW8ZLO05 549300ZK53CNGEEI6A29 Year IY OF INSTRUMENT NT CATEGORY average transaction per business gthe previous year	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 100% Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 95% 5% 2023 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	FOREIGN EXCHANGE DERIVATION PROFESSIONAL Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDA RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 93% 7% OVER-THE-COUNTER BONDA PROFESSIONAL 0 Ratio of orders executed as a percentage of the total orders in the specific category 93% 7%	Percentage of passive orders N/A Percentage of passive orders N/A N/A Percentage of passive orders N/A N/A Percentage of passive orders	Percentage of aggressive orders N/A Percentage of aggressive orders N/A N/A Percentage of aggressive orders	Percentage of directed orders 100% Percentage of directed orders 100% 100%
CATEGOR CUE Disclosure if <1 of the a day durin Brokers DB CATEGOR CUE Disclosure if <1 of the a day durin Brokers NBG J.P. Morgan AG CATEGOR CATE	Year IV OF INSTRUMENT NT CATEGORY average transaction per business gthe previous year LEI 7LTWFZYICNSX8D621K86 Year IV OF INSTRUMENT NT CATEGORY average transaction per business gthe previous year LEI 5UMCZOEYKCVFAW8ZL005 549300ZK53CNGEEI6A29 Year IV OF INSTRUMENT NT CATEGORY average transaction per business gthe previous year	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 100% Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 95% 5% 2023 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 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 93% 7% OVER-THE-COUNTER BONDS PROFESSIONAL 0 Ratio of orders executed as a percentage of the total orders in the specific category 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 Percentage of passive orders N/A N/A Percentage of passive orders	Percentage of aggressive orders N/A Percentage of aggressive orders N/A N/A Percentage of aggressive orders N/A N/A	Percentage of directed orders 100% Percentage of directed orders 100% 100% Percentage of directed orders
CATEGOR CUE Disclosure if <1 of the a day durin Brokers DB CATEGOR CUE Disclosure if <1 of the a day durin Brokers NBG J.P. Morgan AG CATEGOR CUE Disclosure if <1 of the a day durin	Year IV OF INSTRUMENT NT CATEGORY werage transaction per business gthe previous year LEI 7LTWFZYICNSX8D621K86 Year IV OF INSTRUMENT NT CATEGORY werage transaction per business gthe previous year LEI 5UMCZOEYKCVFAW8ZLOO5 549300ZKS3CNGEEI6A29 Year IV OF INSTRUMENT NT CATEGORY everage transaction per business gthe previous year LEI 5UMCZOEYKCVFAW8ZLOO5 549300ZKS3CNGEEI6A29 Year IV OF INSTRUMENT NT CATEGORY everage transaction per business gthe previous year	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 100% Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 95% 2023 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	FOREIGN EXCHANGE DERIVATION PROFESSIONAL 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 93% 7% OVER-THE-COUNTER BONDS PROFESSIONAL 0 Ratio of orders executed as a percentage of the total orders in the specific category 0 Ratio of orders executed as a percentage of the total orders in the specific category 94%	Percentage of passive orders N/A Percentage of passive orders N/A N/A Percentage of passive orders N/A N/A Percentage of passive orders N/A N/A	Percentage of aggressive orders N/A Percentage of aggressive orders N/A N/A Percentage of aggressive orders N/A N/A N/A Percentage of aggressive orders	Percentage of directed orders 100% Percentage of directed orders 100% 100% Percentage of directed orders 100% 100%
CATEGOR CUE Disclosure if <1 of the a day durin Brokers DB CATEGOR CUE Disclosure if <1 of the a day durin Brokers NBG J.P. Morgan AG CATEGOR CUE Disclosure if <1 of the a day durin	Year IV OF INSTRUMENT NT CATEGORY average transaction per business gthe previous year LEI 7LTWFZYICNSX8D621K86 Year IV OF INSTRUMENT NT CATEGORY average transaction per business gthe previous year LEI 5UMCZOEYKCVFAW8ZL005 549300ZK53CNGEEI6A29 Year IV OF INSTRUMENT NT CATEGORY average transaction per business gthe previous year	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 100% Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 95% 5% 2023 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	FOREIGN EXCHANGE DERIVATION PROFESSIONAL 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 93% 7% OVER-THE-COUNTER BONDS PROFESSIONAL 0 Ratio of orders executed as a percentage of the total orders in the specific category 0 Ratio of orders executed as a percentage of the total orders in the specific category 94%	Percentage of passive orders N/A Percentage of passive orders N/A N/A Percentage of passive orders N/A N/A Percentage of passive orders	Percentage of aggressive orders N/A Percentage of aggressive orders N/A N/A Percentage of aggressive orders N/A N/A	Percentage of directed orders 100% Percentage of directed orders 100% 100% 100% Percentage of directed orders

CATECO						
	Year DRY OF INSTRUMENT	2022	FOREIGN EQUITIES			
	IENT CATEGORY		RETAIL	_		
	e average transaction per business ing the previous year		0			
Drokore	In	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
Brokers COWEN EXECUTION	LEI					
SERVICE LIMITED	213800SS94VGJTFLIG64	45%	47%	N/A	N/A	100%
INSTINET EUROPE LMT	213800MXAKR2LA1VBM44	55%	54%	N/A	N/A	100%
	Year	2022				
	DRY OF INSTRUMENT IENT CATEGORY		FOREIGN EQUITIES PROFESSIONAL	1		
	e average transaction per business ing 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	6%	494	N/A	N/A	100%
INSTINET EUROPE LMT	213800MXAKR2LA1VBM44	94%		N/A	N/A	100%
	Year	2022				
	DRY OF INSTRUMENT		FOREIGN EXCHANGE DERIVATI	IVES		
	IENT CATEGORY average transaction per business		RETAIL	1		
	ing the 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		aggressive orders	directed orders
Brokers	LEI	volume in the specific category	the specific category	orders		
CSFB DB	959800TMGPWX7NYM4R72 7LTWFZYICNSX8D621K86	30%		N/A N/A	N/A N/A	100%
00	7ETWTETTCHSX0D0EEX00	7070	7070	19/8	IN/A	100%
	Year DRY OF INSTRUMENT	2022	FOREIGN EXCHANGE DERIVATI	IVES		
Disdosure if <1 of the	ENT CATEGORY e average transaction per business		PROFESSIONAL			
day duri	ing the previous year		1 0	1		
				_		
		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		aggre ssive	Percentage of directed orders
	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	aggre ssive orders	directed orders
CSFB	959800TMGPWX7NYM4R72	transaction as a percentage of the total volume in the specific category 10%	percentage of the total orders in the specific category 100%	of passive orders	aggressive orders	directed orders
CSFB		transaction as a percentage of the total volume in the specific category	percentage of the total orders in the specific category 100%	of passive orders	aggre ssive orders	directed orders
CSFB DB	959800TMGPWX7NYM4R72 7LTWFZYICNSX8D621K86 Year	transaction as a percentage of the total volume in the specific category 10%	percentage of the total orders in the spedific category 100% 100%	of passive orders N/A N/A	aggressive orders	directed orders
CSFB DB CATEGO	959800TMGPWX7NYM4R72 7LTWFZYICNSX8D621K86 Year DRY OF INSTRUMENT	transaction as a percentage of the total volume in the specific category 10% 90%	percentage of the total orders in the specific category 100% 100% OVER-THE-COUNTER BOND	of passive orders N/A N/A	aggressive orders	directed orders
CSFB DB CATEGO CL Disdosure if <1 of the	95:9800TIMGPWX7NYM4R72 7LTWFZYICNSX8D621K86 Year ORY OF INSTRUMENT LENT CATEGORY a verage transaction per business	transaction as a percentage of the total volume in the specific category 10% 90%	percentage of the total orders in the spedific category 100% 100%	of passive orders N/A N/A	aggressive orders	directed orders
CSFB DB CATEGO CL Disdosure if <1 of the	959800TMGPWX7NYM4R72 7LTWFZYICNSX8D621K86 Year ORY OF INSTRUMENT JENT CATEGORY	transaction as a percentage of the total volume in the specific category 10% 90% 2022 Ratio of the volume submitted in a	percentage of the total orders in the specific category 100% 100% OVER-THE-COUNTER BOND: RETAIL 0 Ratio of orders executed as a	of passive orders N/A N/A S	aggressive orders N/A N/A Percentage of	directed orders 100% 100%
CSFB DB CATEGO CL Disclosure if <10f the day duri	95:9800TMGPWX7NYM4R72 7LTWFZYICNSX8D621K86 Year ORY OF INSTRUMENT IENT CATEGORY e average transaction per business ing the previous year	transaction as a percentage of the total volume in the specific category 10% 90%	percentage of the total orders in the specific category 100% 100% OVER-THE-COUNTER BOND: RETAIL 0 Ratio of orders executed as a	of passive orders N/A N/A S	aggressive orders N/A N/A Percentage of	directed orders 100% 100%
CSFB DB CATEGO CL Disclosure if <10f the day duri	95:9800TIMGPWX7NYM4R72 7LTWFZYICNSX8D621K86 Year ORY OF INSTRUMENT LENT CATEGORY a verage transaction per business	transaction as a percentage of the total volume in the specific category 10% 90% 2022 Ratio of the volume submitted in a transaction as a percentage of the total	percentage of the total orders in the spedific category 100% 100% OVER-THE-COUNTER BOND RETAIL 0 Ratio of orders executed as a percentage of the total orders in the spedific category	of passive orders N/A N/A S Percentage of passive	aggressive orders N/A N/A Percentage of aggressive	directed orders 100% 100%
CSFB DB CATEGO CL Disclosure if <1 of the day during the day duri	959800TMGPWX7NYM4R72 7LTWFZYICNSX8D621K86 Year ORY OF INSTRUMENT IENT CATEGORY e average transaction per business ing the previous year LEI SUMCZOEYKCVFAW8ZLO05 549300ZK53CNGEEI6A29	transaction as a percentage of the total volume in the specific category 10% 90% 2022 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 78% 20%	percentage of the total orders in the specific category 100% 100% OVER-THE-COUNTER BOND: RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 86% 12%	of passive orders N/A N/A S Percentage of passive orders N/A N/A N/A	aggressive orders N/A N/A Percentage of aggressive orders N/A N/A	Dercentage of directed orders
CL Disdosure if <1 of the day duri Brokers NBG	959800TMGPWX7NYM4R72 7LTWFZYICNSX8D621K86 Year ORY OF INSTRUMENT ILENT CATEGORY a average transaction per business ing the previous year LEI SUMCZOEYKCVFAW8ZLOOS	transaction as a percentage of the total volume in the specific category 10% 90% 2022 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 78%	percentage of the total orders in the spedific category 100% 100% OVER-THE-COUNTER BOND RETAIL 0 Ratio of orders executed as a percentage of the total orders in the spedific category 86% 12% 12%	of passive orders N/A N/A N/A Percentage of passive orders N/A	aggressive orders N/A N/A Percentage of aggressive orders N/A	directed orders 100% 100% Percentage of directed orders
CSFB DB CATEGO CL Disclosure if <1 of the day duri Brokers NBG J.P. Morgan AG ALPHA	959800TMGPWX7NYM4R72 7LTWFZYICNSX8D621K86 Year ORY OF INSTRUMENT IENT CATEGORY a average transaction per business ing the previous year LEI 5UMCZOEYKCVFAW8ZLOOS 549300ZKS3CNGEEI6A29 5299009N55YRQC69CN08 2138000YHR1MPQSVJL60	transaction as a percentage of the total volume in the specific category 10% 90% 2022 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 78% 20% 11%	percentage of the total orders in the spedific category 100% 100% OVER-THE-COUNTER BOND RETAIL 0 Ratio of orders executed as a percentage of the total orders in the spedific category 86% 12% 196 136	of passive orders N/A N/A S Percentage of passive orders N/A N/A N/A	aggressive orders N/A N/A Percentage of aggressive orders N/A N/A N/A N/A N/A	Percentage of directed orders
CATEGO CL Disclosure if <1 of the day duri Brokers NBG J.P. Morgan AG ALPHA TPEIR CATEGO CA	95:9800TMGPWX7NYM4R72 7LTWFZYICNSX8D621K86 Year ORY OF INSTRUMENT IENT CATEGORY 2 average transaction per business ing the previous year LEI 5UMCZOEYKCVFAW8ZLOO5 549300ZK53CNGEEI6A29 5299009N55YRQC69CN08 213800OYHR1MPQ5VJL60 Year ORY OF INSTRUMENT	transaction as a percentage of the total volume in the specific category 10% 90% 2022 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 78% 20%	percentage of the total orders in the spedific category 100% 100% OVER-THE-COUNTER BOND: RETAIL 0 Ratio of orders executed as a percentage of the total orders in the spedific category 86% 12% 13% OVER-THE-COUNTER BOND:	of passive orders N/A N/A S Percentage of passive orders N/A N/A N/A N/A N/A	aggressive orders N/A N/A Percentage of aggressive orders N/A N/A N/A N/A N/A	Percentage of directed orders
CATEGO CL Disdosure if <1 of the day duri Brokers NBG J.P. Morgan AG ALPHA TPEIR CATEGO CL	959800TMGPWX7NYM4R72 7LTWFZYICNSX8D621K86 Year ORY OF INSTRUMENT IEINT CATEGORY 2e average transaction per business ing the previous year LEI 5UMCZOEYKCVFAW8ZLOO5 549300ZKS3CNGEEI6A29 529909N55YRQC69CN08 213800OYHR1MPQSVJL60 Year ORY OF INSTRUMENT IENT CATEGORY	transaction as a percentage of the total volume in the specific category 10% 90% 2022 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 78% 20% 11%	percentage of the total orders in the spedific category 100% 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the spedific category 12% 13% 136	of passive orders N/A N/A S Percentage of passive orders N/A N/A N/A N/A N/A	aggressive orders N/A N/A Percentage of aggressive orders N/A N/A N/A N/A N/A	Percentage of directed orders
CATEGO CL Disdosure if <1 of the day duri Brokers NBG J.P. Morgan AG ALPHA TPEIR CATEGO CL Disdosure if <1 of the	95:9800TMGPWX7NYM4R72 7LTWFZYICNSX8D621K86 Year ORY OF INSTRUMENT IENT CATEGORY 2 average transaction per business ing the previous year LEI 5UMCZOEYKCVFAW8ZLOO5 549300ZK53CNGEEI6A29 5299009N55YRQC69CN08 213800OYHR1MPQ5VJL60 Year ORY OF INSTRUMENT	transaction as a percentage of the total volume in the specific category 10% 90% 2022 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 78% 20% 11%	percentage of the total orders in the spedific category 100% 100% OVER-THE-COUNTER BOND: RETAIL 0 Ratio of orders executed as a percentage of the total orders in the spedific category 86% 12% 13% OVER-THE-COUNTER BOND:	of passive orders N/A N/A S Percentage of passive orders N/A N/A N/A N/A N/A	aggressive orders N/A N/A Percentage of aggressive orders N/A N/A N/A N/A N/A	Percentage of directed orders
CSFB DB CATEGO CL Disdosure if <1 of the day duri Brokers NBG J.P. Morgan AG ALPHA TPEIR CATEGO CL Disdosure if <1 of the day duri	959800TMGPWX7NYM4R72 7LTWFZYICNSX8D621K86 Year ORY OF INSTRUMENT IENT CATEGORY a average transaction per business ing the previous year LEI 5UMCZOEYKCVFAW8ZLOOS 549300ZKS3CNGEEI6A29 5299009N55YRQC69CN08 2138000YHR1MPQSVJL60 Year ORY OF INSTRUMENT IENT CATEGORY a average transaction per business ing the previous year	transaction as a percentage of the total volume in the specific category 10% 90% 2022 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 78% 20% 11%	percentage of the total orders in the spedific category 100% 100% OVER-THE-COUNTER BOND: RETAIL 0 Ratio of orders executed as a percentage of the total orders in the spedific category 86% 12% 13% OVER-THE-COUNTER BOND:	of passive orders N/A N/A N/A Percentage of passive orders N/A N/A N/A N/A N/A N/A Percentage	aggressive orders N/A N/A Percentage of aggressive orders N/A N/A N/A N/A N/A	Percentage of directed orders
CATEGO CL Disdosure if <1 of the day duri Brokers NBG J.P. Morgan AG ALPHA TPEIR CATEGO CL Disdosure if <1 of the	959800TMGPWX7NYM4R72 7LTWFZYICNSX8D621K86 Year ORY OF INSTRUMENT IENT CATEGORY a average transaction per business ing the previous year LEI 5UMCZOEYKCVFAW8ZLOO5 549300ZKS3CNGEEI6A29 5299009N55YRQC69CN08 2138000YHR1MPQ5VJL60 Year ORY OF INSTRUMENT IENT CATEGORY a average transaction per business	transaction as a percentage of the total volume in the specific category 10% 90% 2022 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 78% 20% 13% 2022	percentage of the total orders in the spedific category 100% 100% 100% OVER-THE-COUNTER BOND RETAIL 0 Ratio of orders executed as a percentage of the total orders in the spedific category 12% 12% 12% 13% OVER-THE-COUNTER BOND PROFESSIONAL 0 Ratio of orders executed as a percentage of the total orders in the spedific category	of passive orders N/A N/A S Percentage of passive orders N/A N/A N/A N/A N/A Percentage of passive orders	aggressive orders N/A N/A Percentage of aggressive orders N/A N/A N/A N/A N/A N/A N/A Percentage of aggressive	Percentage of directed orders 100% Percentage of directed orders 100% 100% 100%

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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	49%		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%
Year	2021				
CATEGORY OF INSTRUMENT	2021	FOREIGN EXCHANGE DERIVATIVE	ES		
	2021		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 O 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	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 CLIENT CATEGORY	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 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% 2021 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 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% 2021 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 82% 15%	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 100% 2021 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	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 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 2021 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 82% 15% 2%	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 2138000YHR1MPQ5VJL60 Year CATEGORY OF INSTRUMENT	Ratio of the volume submitted in a 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%	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% 13% 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 SUMCZOEYKCVFAW8ZLO05 J.P. Morgan AG A1PHA 5299009N5SYRQC69CN08 TPEIR 2138000YHR1MPQ5VJL60 Year CATEGORY OF INSTRUMENT CUENT CATEGORY	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 2021 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 82% 15% 2%	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 SUMCZOEYKCVFAW8ZLO05 J.P. Morgan AG 549300ZK53CNGEEI6A29 ALPHA 5299009N5SYRQC69CN08 TPEIR 2138000YHR1MPQ5VJL60 Year CATEGORY OF INSTRUMENT	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 2021 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 82% 15% 2%	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% 13% 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 2021 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 82% 15% 2%	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% 13% OVER-THE-COUNTER BONDS	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 2021 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 82% 15% 2 % 1% 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% Percentage of 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 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 100% 2021 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 82% 115% 2 % 1 % 2021 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 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% Percentage of

Year					
RY OF INSTRUMENT	2020	FOREIGN EQUITIES			
NT CATEGORY		RETAIL			
overage transaction per business g the previous year		0			
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
213800SS94VGJTFLIG64	66%			N/A	100%
213800IVIXAKKZLATVBIVI44	34%	52%	N/A	N/A	100%
Year	2020				
NT CATEGORY		PROFESSIONAL			
average transaction per business g the previous year		0			
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
213800SS94VGJTFLIG64	54%	45%	N/A	N/A	100%
213800MXAKR2LA1VBM44	46%			N/A N/A	100%
Year	2020				
RY OF INSTRUMENT	1910		ES		
	!	RETAIL			
g the previous year		0			
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	of aggressive	Percentage of directed orders
959800TMGPWX7NYM4R72	100%	100%	N/A	N/A	100%
Year	2020				
RY OF INSTRUMENT			ES		
average transaction per business	1	PROFESSIONAL			
g the previous year	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	Percentage	
	volume in the specific category			of aggressive	Percentage of directed orders
LEI 959800TMGPWX7NYM4R72	volume in the specific category	the specific category	orders	of aggressive orders	directed orders
LEI 959800TMGPWX7NYM4R72	volume in the specific category 100%		orders	of aggressive	_
959800TMGPWX7NYM4R72	100%	the specific category	orders	of aggressive orders	directed orders
		the specific category	orders	of aggressive orders	directed orders
959800TMGPWX7NYM4R72 Year RY OF INSTRUMENT NT CATEGORY	100%	the specific category 100%	orders	of aggressive orders	directed orders
959800TMGPWX7NYM4R72 Year ty OF INSTRUMENT	100%	the specific category 100% OVER-THE-COUNTER BONDS	orders	of aggressive orders	directed orders
959800TMGPWX7NYM4R72 Year ty OF INSTRUMENT NT CATEGORY everage transaction per business	2020 Ratio of the volume submitted in a	the specific category 100% OVER-THE-COUNTER BONDS	orders N/A Percentage	of aggressive orders N/A Percentage of aggressive	directed orders
959800TMGPWX7NYM4R72 Year IY OF INSTRUMENT NT CATEGORY average transaction per business g the previous year LEI SUMCZOEYKCVFAW8ZLOOS	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 78%	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%	orders N/A Percentage of passive orders N/A	of aggressive orders N/A Percentage of aggressive orders	directed orders 100% Percentage of directed orders
959800TMGPWX7NYM4R72 Year IY OF INSTRUMENT NT CATEGORY IVORUMENT OF INSTRUMENT NT CATEGORY IVORUMENT OF INSTRUMENT IVORUMENT OF INSTRUMENT LEI SUMCZOEYKCVFAW8ZLO05 549300ZK53CNGEEI6A29	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 78% 16%	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%	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
959800TMGPWX7NYM4R72 Year IY OF INSTRUMENT NT CATEGORY average transaction per business g the previous year LEI SUMCZOEYKCVFAW8ZLOOS	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 78%	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%	orders N/A Percentage of passive orders N/A	of aggressive orders N/A Percentage of aggressive orders	directed orders 100% Percentage of directed orders
959800TMGPWX7NYM4R72 Year IY OF INSTRUMENT NT CATEGORY average transaction per business g the previous year LEI SUMCZOEYKCVFAW8ZLO05 549300ZK53CNGEEI6A29 5299009N55YRQC69CN08 2138000YHR1MPQSVJL60	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 78% 16% 3%	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 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%
Year Y OF INSTRUMENT NT CATEGORY Werage transaction per business g the previous year LEI SUMCZOEYKCVFAW8ZLO05 549300ZK53CNGEEI6A29 5299009N55YRQC69CN08 2138000YHR1MPQ5VJL60 Year IY OF INSTRUMENT	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 78% 16%	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 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%
Year Y OF INSTRUMENT NT CATEGORY INVERTIGATION STANDARD STANDARD LEI SUMCZOEYKCVFAW8ZLOOS 549300ZK53CNGEEI6A29 5299009N55YRQC69CN08 213800OYHR1MPQ5VJL60 Year RY OF INSTRUMENT NT CATEGORY	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 78% 16% 3%	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 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%
Year Y OF INSTRUMENT NT CATEGORY Werage transaction per business g the previous year LEI SUMCZOEYKCVFAW8ZLO05 549300ZK53CNGEEI6A29 5299009N55YRQC69CN08 2138000YHR1MPQ5VJL60 Year IY OF INSTRUMENT	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 78% 16% 3%	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 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%
Year IY OF INSTRUMENT NT CATEGORY ELEI SUMCZOEYKCVFAW8ZLOOS 549300ZK53CNGEE6A29 5299009N55YRQC6GCN08 213800OYHR1MPQSVJL60 Year IY OF INSTRUMENT NT CATEGORY IN OF INSTRUMENT NT CATEGORY IN OF INSTRUMENT IN IN	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 78% 16% 3%	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 N/A N/A	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%
Year IY OF INSTRUMENT NT CATEGORY LEI SUMCZOEYKCVFAW8ZLOOS 549300ZK53CNGEEI6A29 5299009N55YRQC6GCN08 213800OYHR1MPQSVJL60 Year IY OF INSTRUMENT NT CATEGORY IV OF INSTRUMENT NT CATEGORY IV OR INSTRUMENT IN CATEGORY IV OR IN CATEGORY IV	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	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 N/A N/A N/A N/A Percentage of passive	of of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A N/A Percentage of	Percentage of directed orders 100% Percentage of directed orders 100% 100% 100%
ביר בי	verage transaction per business g the previous year LEI 213800SS94VGJTFLIG64 213800MXAKR2LA1VBM44 Year Y OF INSTRUMENT NT CATEGORY verage transaction per business g the previous year LEI 213800MXAKR2LA1VBM44 Year Y OF INSTRUMENT NT CATEGORY verage transaction per business g the previous year LEI 959800TMGPWX7NYM4R72	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category LEI 213800SS94VGJTFLIG64 213800MXAKR2LA1VBM44 Year Y OF INSTRUMENT NT CATEGORY Werage transaction per business the previous year 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 Y OF INSTRUMENT NT CATEGORY Werage transaction per business the previous year 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 Year Y OF INSTRUMENT NT CATEGORY Verage transaction per business the previous year 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 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	Ratio of the volume submitted in a transaction per business get the previous year Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category Par	Ratio of the volume submitted in a transaction per business wolume in the specific category LEI 213800SS94VGJTFLIG64 213800MXAKR2LA1VBM44 Year Ratio of the volume submitted in a transaction per business githe previous year Ratio of the volume submitted in a transaction per business githe previous year Ratio of the volume submitted in a transaction per business githe previous year Ratio of the volume submitted in a transaction per business githe previous year Ratio of the volume submitted in a transaction per business githe previous year Ratio of the volume submitted in a transaction per business githe previous year Ratio of the volume submitted in a transaction per business githe previous year Ratio of the volume submitted in a transaction per business githe previous year Ratio of the volume submitted in a transaction per business githe previous year Ratio of the volume submitted in a transaction per business githe previous year Ratio of the volume submitted in a transaction per business githe previous year Ratio of the volume submitted in a transaction per business githe previous year Ratio of the volume submitted in a transaction per business githe previous year Ratio of the volume submitted in a transaction per business githe previous year Ratio of the volume submitted in a transaction per business githe previous year Porentage of the total orders in the specific category Preventage of the total orders in the specific category Preventage of the total orders in the specific category Preventage of the total orders in the specific category Preventage of the total orders in the specific category Preventage transaction per business githe previous year Preventage transaction per business githe previous year	Ratio of the volume submitted in a transaction per business (a charaction as a percentage of the total volume in the specific category) Percentage of the total volume submitted in a transaction as a percentage of the total volume in the specific category 2138005594VGJTFLIG64 213800MXAKR2LAIVBM44 Pear 2020 PROFESSIONAL Ratio of the volume submitted in a transaction per business (the previous year Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category Percentage of the total orders in of passive orders Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category Percentage of the total orders in the specific category Percentage of the total orders in the specific category Percentage of the total orders in the specific category Percentage of the total orders in the specific category Por INSTRUMENT FOREIGN EXCHANGE DERIVATIVES RETAIL Percentage of passive orders Ratio of orders executed as a percentage of the total orders in the specific category Percentage of specific category Ratio of orders executed as a percentage of the total orders in the specific category Percentage of specific cate

CATEGO	Year RY OF INSTRUMENT	2019	FOREIGN EQUITIES			
	ENT CATEGORY		RETAIL			
Disclosure if <1 of the	average transaction per business					
	ng the previous year		0			
		Patie of the continue or heritandia	Balla of code or control or		Percentage	
		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	of	Percentage of
		volume in the specific category	the specific category	orders	aggressive	directed orders
Brokers	LEI	Totalile in the specific category	the speame tategory	Orders	orders	
COWEN EXECUTION	213800SS94VGJTFLIG64					
SERVICE LIMITED		71%		N/A	N/A	100%
INSTINET EUROPE LMT	213800MXAKR2LA1VBM44	29%	43%	N/A	N/A	100%
	Year	2019				
	RY OF INSTRUMENT		FOREIGN EQUITIES			
CLI	ENT CATEGORY		PROFESSIONAL			
	average transaction per business					
day duri	ng the 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		aggressive	directed orders
Brokers	LEI	volume in the specific category	the specific category	orders	orders	Sincetted orders
INSTINET EUROPE LMT	213800MXAKR2LA1VBM44	98%	98%	N/A	N/A	100%
COWEN EXECUTION	213800SS94VGJTFLIG64					
SERVICE LIMITED	2130003334V0J1FLI004	2%	2%	N/A	N/A	100%
	Vee					
CATEGO	Year RY OF INSTRUMENT	2019	FOREIGN EXCHANGE DERIVATIVE	FS		
	ENT CATEGORY		RETAIL			
	average transaction per business					
day duri	ng the previous year		0			
		Ratio of the volume submitted in a	Ratio of orders executed as a	Percentage	Percentage	
		transaction as a percentage of the total	percentage of the total orders in		of	Percentage of
Brokers	LEI	volume in the specific category	the specific category	orders	aggressive orders	directed orders
CSFB	959800TMGPWX7NYM4R72	100%	100%	N/A	N/A	100%
					Ĺ	
	Year					
CATECO		2019		rc .		
	RY OF INSTRUMENT	2019	FOREIGN EXCHANGE DERIVATIVE	ES		
СП	RY OF INSTRUMENT ENT CATEGORY	2019		ES		
CLI Disclosure if <1 of the	RY OF INSTRUMENT	2019	FOREIGN EXCHANGE DERIVATIVE	ES		
CLI Disclosure if <1 of the	RY OF INSTRUMENT ENT CATEGORY average transaction per business		FOREIGN EXCHANGE DERIVATIVE PROFESSIONAL		Percentage	
CLI Disclosure if <1 of the	RY OF INSTRUMENT ENT CATEGORY average transaction per business	Ratio of the volume submitted in a	FOREIGN EXCHANGE DERIVATIVI PROFESSIONAL 0 Ratio of orders executed as a	Percentage	Percentage of	Percentage of
Disclosure if <1 of the	RY OF INSTRUMENT ENT CATEGORY average transaction per business ng the previous year	Ratio of the volume submitted in a transaction as a percentage of the total	PROFESSIONAL Ratio of orders executed as a percentage of the total orders in	Percentage	of aggressive	Percentage of directed orders
Disclosure if <1 of the day duri	RY OF INSTRUMENT ENT CATEGORY average transaction per business ag the previous year	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
Disclosure if <1 of the	RY OF INSTRUMENT ENT CATEGORY average transaction per business ng the previous year	Ratio of the volume submitted in a transaction as a percentage of the total	PROFESSIONAL Ratio of orders executed as a percentage of the total orders in the specific category	Percentage of passive orders	of aggressive	_
Disclosure if <1 of the day duri	RY OF INSTRUMENT ENT CATEGORY average transaction per business ag the previous year	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
Disclosure if <1 of the day duri	RY OF INSTRUMENT ENT CATEGORY average transaction per business ag the previous year	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 100%	Percentage of passive orders	of aggressive orders	directed orders
Disclosure if <1 of the day duri	RY OF INSTRUMENT ENT CATEGORY average transaction per business ng the previous year LEI 959800TMGPWX7NYM4R72 Year RY OF INSTRUMENT	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 100%	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
CU Disclosure if <1 of the day duri Brokers CSFB CATEGO CU	RY OF INSTRUMENT ENT CATEGORY average transaction per business ng the previous year LEI 959900TMGPWX7NYM4R72 Year RY OF INSTRUMENT ENT CATEGORY	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 100%	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
Disclosure if <1 of the day durii Brokers CSFB CATEGO CU Disclosure if <1 of the	LEI 959800TMGPWX7NYM4R72 Year RY OF INSTRUMENT ENT CATEGORY average transaction per business ng the previous year LEI 959800TMGPWX7NYM4R72 Year RY OF INSTRUMENT ENT CATEGORY average transaction per business	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 100%	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
Disclosure if <1 of the day durii Brokers CSFB CATEGO CU Disclosure if <1 of the	RY OF INSTRUMENT ENT CATEGORY average transaction per business ng the previous year LEI 959900TMGPWX7NYM4R72 Year RY OF INSTRUMENT ENT CATEGORY	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 100%	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 N/A	directed orders
Disclosure if <1 of the day durii Brokers CSFB CATEGO CU Disclosure if <1 of the	LEI 959800TMGPWX7NYM4R72 Year RY OF INSTRUMENT ENT CATEGORY average transaction per business ng the previous year LEI 959800TMGPWX7NYM4R72 Year RY OF INSTRUMENT ENT CATEGORY average transaction per business	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 100% 2019 Ratio of the volume submitted in a	PROFESSIONAL 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 passive orders N/A	of aggressive orders N/A	directed orders
Disclosure if <1 of the day durii Brokers CSFB CATEGO CU Disclosure if <1 of the	LEI 959800TMGPWX7NYM4R72 Year RY OF INSTRUMENT ENT CATEGORY average transaction per business ng the previous year LEI 959800TMGPWX7NYM4R72 Year RY OF INSTRUMENT ENT CATEGORY average transaction per business	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 100% 2019 Ratio of the volume submitted in a transaction as a percentage of the total	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	Percentage of passive orders N/A Percentage of passive	of aggressive orders N/A	directed orders
Disclosure if <1 of the day duris Brokers CSFB CATEGO CU Disclosure if <1 of the day duris	LEI 959800TMGPWX7NYM4R72 Year RY OF INSTRUMENT ENT CATEGORY average transaction per business ng the previous year LEI 959800TMGPWX7NYM4R72 Year RY OF INSTRUMENT ENT CATEGORY average transaction per business	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 100% 2019 Ratio of the volume submitted in a	PROFESSIONAL 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 passive orders N/A	of aggressive orders N/A Percentage of	directed orders 100% Percentage of
Brokers CATEGO Category Disclosure if <1 of the day during the d	LEI Year RY OF INSTRUMENT ENT CATEGORY average transaction per business ng the previous year LEI 959800TMGPWX7NYM4R72 Year RY OF INSTRUMENT ENT CATEGORY average transaction per business ng the previous year LEI SUMCZOEYKCVFAW8ZLOOS	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 100% 2019 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 68%	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	directed orders 100% Percentage of directed orders
CU Disclosure if <1 of the day duri Brokers CSFB CATEGO CU Disclosure if <1 of the day duri Brokers NBG J.P. Morgan AG	RY OF INSTRUMENT ENT CATEGORY average transaction per business ng the previous year LEI 959800TMGPWX7NYM4R72 Year RY OF INSTRUMENT ENT CATEGORY average transaction per business ng the previous year LEI SUMCZOEYKCVFAW8ZLO05 549300ZKS3CNGEEI6A29	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 100% 2019 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 68% 12%	PROFESSIONAL O Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 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%
Brokers CATEGO CU Disclosure if <1 of the day durii Brokers CATEGO CU Disclosure if <1 of the day durii Brokers NBG J.P. Morgan AG ALPHA	LEI SUMCZOEYKCVFA W8ZLOO5 549300ZKS3CNGEEI6A29 529909N55YRQC69CN08	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 100% 2019 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 68% 12% 11%	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 70% 22% 6%	Percentage of passive orders N/A Percentage of passive orders N/A 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%
CU Disclosure if <1 of the day duri Brokers CSFB CATEGO CU Disclosure if <1 of the day duri Brokers NBG J.P. Morgan AG	RY OF INSTRUMENT ENT CATEGORY average transaction per business ng the previous year LEI 959800TMGPWX7NYM4R72 Year RY OF INSTRUMENT ENT CATEGORY average transaction per business ng the previous year LEI SUMCZOEYKCVFAW8ZLO05 549300ZKS3CNGEEI6A29	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 100% 2019 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 68% 12%	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 70% 22% 6%	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%
Brokers CATEGO CU Disclosure if <1 of the day durii Brokers CATEGO CU Disclosure if <1 of the day durii Brokers NBG J.P. Morgan AG ALPHA	LEI SUMCZOEYKCVFA W8ZLOO5 549300ZKS3CNGEEI6A29 529909N55YRQC69CN08	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 100% 2019 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 68% 12% 11%	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 70% 22% 6% 3%	Percentage of passive orders N/A Percentage of passive orders N/A 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%
CU Disclosure if <1 of the day duri Brokers CSFB CATEGO CU Disclosure if <1 of the day duri Brokers NBG J.P. Morgan AG ALPHA TPEIR	LEI SUMCZOEYKCVFA W8ZLOO5 S49300ZKSZCNGEEIGAZ9 S299009N55YRQC69CN08 213800OYHR1MPQSVJL60	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 2019 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 68% 12% 11% 9%	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 70% 22% 6% 3%	Percentage of passive orders N/A Percentage of passive orders N/A 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%
Brokers CATEGO CU Disclosure if <1 of the day durii Brokers CATEGO CU Disclosure if <1 of the day durii Brokers ABG J.P. Morgan AG ALPHA TPEIR CATEGO CU CATEGO CU	LEI 959800TMGPWX7NYM4R72 Year RY OF INSTRUMENT ENT CATEGORY JEI SUMCZOEYKCVFAW8ZLOOS 549300ZKS3CNGEEI6A29 5299009NSSYRQC69CN08 213800OYHR1MPQSVJL60 Year RY OF INSTRUMENT ENT CATEGORY	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 2019 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 68% 12% 11% 9%	PROFESSIONAL O Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL Ratio of orders executed as a percentage of the total orders in the specific category 70% 22% 6% 3%	Percentage of passive orders N/A Percentage of passive orders N/A 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%
Brokers CATEGO CU Disclosure if <1 of the day during the day dur	LEI SUMCZOEYKCVFAW8ZLOOS S49300ZKSZCNGEIGA29 S29009N55YRQCG9CNO8 Z13800OYHR1MPQSVJL60 Year RY OF INSTRUMENT ENT CATEGORY AVERAGE OF THE STRUMENT ENT CATEGORY YEAR YEAR SUMCZOEYKCVFAW8ZLOOS S49300ZKSZCNGEIGA29 S2990O9N55YRQCG9CNO8 Z1380OOYHR1MPQSVJL60 YEAR YEAR YEAR YEAR YEAR THE STRUMENT ENT CATEGORY average transaction per business	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 2019 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 68% 12% 11% 9%	PROFESSIONAL O Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL Ratio of orders executed as a percentage of the total orders in the specific category 70% 22% 6% 3% OVER-THE-COUNTER BONDS	Percentage of passive orders N/A Percentage of passive orders N/A 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%
CU Disclosure if <1 of the day duris Brokers CSFB CATEGO CU Disclosure if <1 of the day duris Brokers NBG J.P. Morgan AG ALPHA TPEIR CATEGO CU Disclosure if <1 of the day duris	LEI 959800TMGPWX7NYM4R72 Year RY OF INSTRUMENT ENT CATEGORY JEI SUMCZOEYKCVFAW8ZLOOS 549300ZKS3CNGEEI6A29 5299009NSSYRQC69CN08 213800OYHR1MPQSVJL60 Year RY OF INSTRUMENT ENT CATEGORY	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 2019 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 68% 12% 11% 9%	PROFESSIONAL O Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL Ratio of orders executed as a percentage of the total orders in the specific category 70% 22% 6% 3% OVER-THE-COUNTER BONDS	Percentage of passive orders N/A Percentage of passive orders N/A N/A N/A N/A	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A N/A N/A	Percentage of directed orders 100% Percentage of directed orders 100% 100%
CU Disclosure if <1 of the day duris Brokers CSFB CATEGO CU Disclosure if <1 of the day duris Brokers NBG J.P. Morgan AG ALPHA TPEIR CATEGO CU Disclosure if <1 of the day duris	LEI SUMCZOEYKCVFAW8ZLOOS S49300ZKSZCNGEIGA29 S29009N55YRQCG9CNO8 Z13800OYHR1MPQSVJL60 Year RY OF INSTRUMENT ENT CATEGORY AVERAGE OF THE STRUMENT ENT CATEGORY YEAR YEAR SUMCZOEYKCVFAW8ZLOOS S49300ZKSZCNGEIGA29 S2990O9N55YRQCG9CNO8 Z1380OOYHR1MPQSVJL60 YEAR YEAR YEAR YEAR YEAR THE STRUMENT ENT CATEGORY average transaction per business	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 2019 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 68% 12% 11% 9% 2019	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 OVER-THE-COUNTER BONDS RETAIL ORATIO OF ORDER SECUTED AS A SECURITY OF THE SECURIT	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	Percentage of directed orders 100% Percentage of directed orders 100% 100% 100%
Brokers CATEGO CU Disclosure if <1 of the day during the day dur	LEI SUMCZOEYKCVFAW8ZLOOS S49300ZKSZCNGEIGA29 S29009N55YRQCG9CNO8 Z13800OYHR1MPQSVJL60 Year RY OF INSTRUMENT ENT CATEGORY AVERAGE OF THE STRUMENT ENT CATEGORY YEAR YEAR SUMCZOEYKCVFAW8ZLOOS S49300ZKSZCNGEIGA29 S2990O9N55YRQCG9CNO8 Z1380OOYHR1MPQSVJL60 YEAR YEAR YEAR YEAR YEAR THE STRUMENT ENT CATEGORY average transaction per business	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 2019 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 68% 12% 11% 9% 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 OVER-THE-COUNTER BONDS RETAIL 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 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	Percentage of directed orders 100% Percentage of directed orders 100% 100%
Brokers CATEGO CU Disclosure if <1 of the day during the day dur	LEI SUMCZOEYKCVFAW8ZLOOS S49300ZKSZCNGEEI6A29 S29009N55YRQGG9CN08 Z13800OYHR1MPQSVJL60 Year RY OF INSTRUMENT ENT CATEGORY AVERAGE OF THE STRUMENT ENT CATEGORY YEAR TO STRUMENT ENT CATEGORY YEAR TO STRUMENT ENT CATEGORY YEAR TO STRUMENT ENT CATEGORY AVERAGE OF THE STRUMENT ENT CATEGORY AVER	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 2019 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 68% 12% 11% 9% 2019	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 OVER-THE-COUNTER BONDS RETAIL ORATIO OF ORDER SECUTED AS A SECURITY OF THE SECURIT	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 of orders N/A N/A N/A N/A N/A Percentage of	Percentage of directed orders 100% Percentage of directed orders 100% 100% 100%
Brokers CATEGO CU Disclosure if <1 of the day durii Brokers CATEGO CU Disclosure if <1 of the day durii Brokers NBG J.P. Morgan AG ALPHA TPEIR CATEGO CU Disclosure if <1 of the day durii	LEI SUMCZOEYKCVFAW8ZLOOS Year RY OF INSTRUMENT ENT CATEGORY AVERAGE TO AN AUGUST TO	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 2019 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 68% 12% 2019 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 OVER-THE-COUNTER BONDS RETAIL Ratio of orders executed as a percentage of the total orders in the specific category 70% 22% 6% 3% OVER-THE-COUNTER BONDS PROFESSIONAL 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 N/A	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A N/A Percentage of aggressive orders N/A	Percentage of directed orders 100% Percentage of directed orders 100% 100% Percentage of directed orders
Brokers CATEGO CU Disclosure if <1 of the day durii Brokers CATEGO CU Disclosure if <1 of the day durii Brokers NBG J.P. Morgan AG ALPHA TPEIR CATEGO CU Disclosure if <1 of the day durii	LEI SUMCZOEYKCVFAW8ZLOOS 549300ZKS3CNGEEI6A29 529909NS5VRQC69CN08 213800OYHR1MPQSVJL60 Year RY OF INSTRUMENT ENT CATEGORY AVERAGE TO SEE TO	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 2019 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 volume in the specific category	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 70% 22% 6% 3% OVER-THE-COUNTER BONDS PROFESSIONAL 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

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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 213800SS94VGJTFLIG64 INSTINET EUROPE LMT 213800MXAKR2LA1VBM44	78% 22%		N/A N/A	N/A N/A	100%
			IN/A	IV/A	10070
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 DERIVATIV	ES		
CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year		RETAIL			
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				
Year CATEGORY OF INSTRUMENT CLIENT CATEGORY	2018	FOREIGN EXCHANGE DERIVATIVE PROFESSIONAL	ES		
CATEGORY OF INSTRUMENT	2018	FOREIGN EXCHANGE DERIVATIV	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 DERIVATIV	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 O 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 CUENT 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 CUENT 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 SUMCZOEYKCVFAW8ZLOOS	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 100% 2018 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 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	of aggressive orders N/A Percentage of	directed orders 100% Percentage of
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 SUMCZOEYKCVFAW8ZLOO5 J.P. Morgan AG 549300ZK53CNGEEI6A29	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 2018 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 54% 37%	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 SUMCZOEYKCVFAW8ZLOOS	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 2018 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	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 SUMCZOEYKCVFAW8ZLOO5 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 2018 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 54% 37% 5%	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 59% 28% 8% 5%	Percentage of passive orders N/A Percentage of passive orders N/A 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%
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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 549300ZK53CNGEEI6A29 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 2018 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 54% 37% 5%	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 59% 28% 8% 5% OVER-THE-COUNTER BONDS	Percentage of passive orders N/A Percentage of passive orders N/A 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%
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