

Page	Class of instrument	Equities - Shares and Depositary Receipts without liquitdy band					
Company Comp					ut ilquitay buila		
Top for execution remains and and a miner of density options (proceeding color) 15				Percentage of	Percentage of	Percentage of	
Selection Company Co		of total in that class	total in that class	passive orders	aggressive orders	directed orders	
Section of the content of the cont	UBS Europe SE, 5299007QVIQ7IO64NX37	30,16%	35,94%	75,04%	24,96%	0,00%	
Page	DBS Vickers Securities (Singapore) PTE LTD, 54930003J3YO6S614573						
Page	Goldman Sachs Bank Europe SE, 8IBZUGJ7JPLH368JE346	5,73%	9,14%	61,08%	38,92%	0,00%	
Pageolita of which as another for and relating selected (assembly professed professe	Class of Instrument	Equities - S	Shares and Depositary Rece	ipts: Tick size lie	quidity bands 5 and	6	
The security of the protection	Notification if <1 average trade per business day in the previous year			l			
Seach Seach Association of Control (1997) 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997		traded as a percentage	executed as percentage of				
Appendix Common							
April Carlo Francisco Francisco Carlo Carl	Morgan Stanley Europe SE, 54930056FHWP7GIWYY08	4,37%	7,07%	68,89%	31,11%	0,00%	
Equation Shares and Depoctacy (100 cap of Institution) Equation Shares and Depoctacy (100 c	SANFORD C. BERNSTEIN IRELAND LIMITED, 549300W30847BJ1LD502	3,23%	1,06%	41,19%	58,81%	0,00%	
Properties of sweeper stands per boates day in the pervisor year. Properties of sweeper stand in terms of making sweeper should be supported by the pervisor of sweeper specified by the pervisor of sweeper specified by the pervisor year of year of the pervisor year year year year year year year yea	Trauck Aumaeuser Lampe Envaluarik AG, 329300002E700TETT 471	2,5470	0,3170	0,0076	100,0076	0,0076	
The first according various analysis of interior of profession of according various analysis of interior of states and according various analysis of the profession of the pro		Equities - S			quidity bands 3 and	4	
Top five accordion wanted named in memor of brailing solations (descending order) 1	Notification if <1 average trade per business day in the previous year		Proportion of orders				
## PROPRIED OF STREET PROPRIED	Top five execution venues ranked in terms of trading volumes (descending order)						
March Marc							
Mathematical Column	Morgan Stanley Europe SE, 54930056FHWP7GIWYY08	11,97%	15,72%	60,93%	39,07%	0,00%	
Notification of classification for classification						0,00%	
Notification of classification for classification	Class of Instrument	Equities - 5	Shares and Depositary Rece	ipts: Tick size lie	quidity bands 1 and	2	
Secondary contents national in time of handing outdoing (according outdoing)			N				
Top five accostion venues ranked in terms of trading volumes (descending order) 6,000				Percentage of	Percentage of	Percentage of	
Margan Samps Europe 26. 569000061140710071007100071000710000071000000000		of total in that class	total in that class	passive orders	aggressive orders	directed orders	
SCR Security Sec	Morgan Stanley Europe SE, 54930056FHWP7GIWYY08	11,34%	7,80%	32,67%		0,00%	
State Company State Comp						0,00%	
Proportion of volume	Stifel Europe Bank AG, 529900MC68RTGHKI4F05	3,33%	2,29%	49,74%	50,26%	0,00%	
Proportion of volume volumes calcular to results of volumes (descending order) Proportion of volumes (volumes (descending order) Volumes (descending order) Volumes (volumes (descending order) Volumes (volumes (descending order) Volumes (volumes volumes (volumes volumes (volumes (volumes volumes (volumes (volumes volumes (volumes volumes (volumes (volumes volumes (volumes (volumes volumes (volumes (volumes volumes (volumes volumes (volumes (volumes volumes volumes (volumes volumes volumes (volumes volumes volumes (volumes volumes volumes volumes (volumes volumes volumes volumes volumes volumes volumes volumes (volumes volumes volumes volumes volumes volumes volumes (volumes volumes	Class of Instrument		Debt Instrum	ents: Bonds			
Top the assection venues ranked in terms of trading volumes (descending order) Top the assection venues ranked in terms of trading volumes (descending order) Top the assection venues ranked in terms of trading volumes (descending order) Top the assection venues ranked in terms of trading volumes (descending order) Top the execution venues ranked in terms of trading volumes (descending order) Top the execution venues ranked in terms of trading volumes (descending order) Top the execution venues ranked in terms of trading volumes (descending order) Top the execution venues ranked in terms of trading volumes (descending order) Top the execution venues ranked in terms of trading volumes (descending order) Top the execution venues ranked in terms of trading volumes (descending order) Top the execution venues ranked in terms of trading volumes (descending order) Top the execution venues ranked in terms of trading volumes (descending order) Top the execution venues ranked in terms of trading volumes (descending order) Top the execution venues ranked in terms of trading volumes (descending order) Top the execution venues ranked in terms of trading volumes (descending order) Top the execution venues ranked in terms of trading volumes (descending order) Top the execution venues ranked in terms of trading volumes (descending order) Top the execution venues ranked in terms of trading volumes (descending order) Top the execution venues ranked in terms of trading volumes (descending order) Top the execution venues ranked in terms of trading volumes (descending order) Top the execution venues ranked in terms of trading volumes (descending order) Top the execution venues ranked in terms of trading volumes (descending order) Top the execution venues ranked in terms of trading volumes (descending order) Top the execution venues ranked in terms of trading volumes (descending order) Top the execution venues ranked in terms of trading volumes (descending order) Top the execution venues ranked in terms of tr	Notification if <1 average trade per business day in the previous year	Droportion of volume		ı			
March Strate Memory March Memory Mem		traded as a percentage	executed as percentage of			Percentage of	
Seach Same Alternogenished all 20000LF OPPE DURINGHIST 11,00% 11,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00%							
Collego of Decide Markets Europe AG, ETICH SPECTURESSYME 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0	Baader Bank Aktiengesellschaft, 529900JFOPPEDUR61H13	11,09%	11,88%	0,00%	100,00%	0,00%	
Class of Instruments Proportion of volume	Citigroup Global Markets Europe AG, 6TJCK1B7E7UTXP528Y04	6,04%	1,49%	0,00%	33,33%	0,00%	
Notification if							

Class of Instrument	Currency Derivatives: Swaps, forwards, and other currency derivatives					
Notification if <1 average trade per business day in the previous year		,	r 1	unioney deminative		
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
Class of Instrument		Structured finar	nce instruments			
Notification if <1 average trade per business day in the previous year	Dranartian of values	,	r			
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of	Percentage of aggressive orders	Percentage of directed orders	
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
Class of Instrument	Equity Deriva	ntives: Futures and Options	Admitted to Tra	ding on a Trading V	'enue	
Notification if <1 average trade per business day in the previous year	Proportion of volume	Proportion of orders	N			
Top five execution venues ranked in terms of trading volumes (descending order)	traded as a percentage of total in that class	executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
Baader Bank AG, 529900JFOPPEDUR61H13 M.M.Warburg & CO (AG & Co.) Kommanditgesellschaft auf Aktien, MZI1VDH2BQLFZGLQDO60	52,55% 41,72%	61,33% 22,21%	N.A. N.A.	N.A. N.A.	N.A. N.A.	
UNICREDIT BANK AG, 2ZCNRR8UK83OBTEK2170 Hauck Aufhäuser Lampe Privatbank AG, 529900OOZP78CYPYF471 UBS AG, BFM8T61C72L1QCEMIK50	4,77% 0,42% 0,29%	0,71% 0,20% 12,60%	N.A. N.A. N.A.	N.A. N.A. N.A.	N.A. N.A. N.A.	
ODS NG, DI WOTOTETZETQUEWINOU	0,2570	12,0076	N.A.	N.A.	N.A.	
Class of Instrument		Equity Derivatives: Swaps		derivatives		
Notification if <1 average trade per business day in the previous year	Proportion of volume traded as a percentage	Proportion of orders executed as percentage of	Percentage of	Percentage of	Percentage of	
Top five execution venues ranked in terms of trading volumes (descending order) BofA Securities Europe SA, 549300FH0WJAPEHTIQ77	of total in that class	total in that class	passive orders N.A.	aggressive orders N.A.	directed orders N.A.	
Barclays Bank Ireland Public Limited Company, 265BKIC2CB69PRJH1W31 UNICREDIT BANK AG, 2ZCNRR8UK83OBTEK2170	17,77% 16,84%	17,51% 18,08%	N.A. N.A.	N.A. N.A.	N.A. N.A.	
UNICREDIT BAIN AIG, 22CHRAGORSSOB ERZITO UBS AG, BFM8T61CT2L1QCEMIK50 HSBC France, F0HUINY1AZMJMD8LP67	12,95% 9,27%	12,43% 9,60%	N.A. N.A. N.A.	N.A. N.A.	N.A. N.A. N.A.	
TIGOC France, FUTIOTINE TRANSMIDULE OF	9,2170	9,00%	N.A.	N.A.	N.A.	
Class of Instrument	Se	curitized Derivatives: Warra	nts and Certifica	te Derivatives		
Notification if <1 average trade per business day in the previous year	Proportion of volume traded as a percentage	Proportion of orders executed as percentage of	Percentage of	Percentage of	Percentage of	
Top five execution venues ranked in terms of trading volumes (descending order)	of total in that class	total in that class	passive orders	aggressive orders	directed orders	
Baader Bank Aktiengesellschaft, 529900JFOPPEDUR61H13 DZ BANK AG Zentral-Genossenschaftsbank, 529900HNOAA1KXQJUQ27	59,81% 27,57%	76,92% 15,38%	N.A. N.A.	N.A. N.A.	N.A. N.A.	
Societe Generale SASociete Generale SA, O2RNE8IBXP4R0TD8PU41	12,61%	7,69%	N.A.	N.A.	N.A.	
Class of Instrument Notification if <1 average trade per business day in the previous year		Securitized Derivatives: Ot	her Securitized I	Derivatives		
Notification if \1 average trade per busiless day in the previous year	Proportion of volume traded as a percentage	Proportion of orders executed as percentage of	Percentage of	Percentage of	Percentage of	
Top five execution venues ranked in terms of trading volumes (descending order) N.A.	of total in that class N.A.	total in that class N.A.	passive orders N.A.		directed orders N.A.	
Class of Instrument		modities derivatives and er ptions and Futures admitted				
Notification if <1 average trade per business day in the previous year	Proportion of volume	Proportion of orders	Parameter of	D	Dt	
Top five execution venues ranked in terms of trading volumes (descending order) N.A.	traded as a percentage of total in that class N.A.	executed as percentage of total in that class N.A.	Percentage of passive orders N.A.	Percentage of aggressive orders N.A.	Percentage of directed orders N.A.	
Class of Instrument Notification if <1 average trade per business day in the previous year		modities derivatives and er commodities derivatives and				
Hounicador if A average trade per business day in the previous year	Proportion of volume traded as a percentage	Proportion of orders executed as percentage of	Percentage of	Percentage of	Percentage of	
Top five execution venues ranked in terms of trading volumes (descending order) N.A.	of total in that class N.A.	total in that class N.A.	passive orders N.A.		directed orders N.A.	
Class of Instrument Notification if <1 average trade per business day in the previous year		Contracts for	or difference			
Tournation II - I to tage that per sacritice and II the provided you	Proportion of volume traded as a percentage	Proportion of orders executed as percentage of	Percentage of	Percentage of	Percentage of	
Top five execution venues ranked in terms of trading volumes (descending order) $\overline{\text{N.A.}}$	of total in that class N.A.	total in that class N.A.	passive orders N.A.	aggressive orders N.A.	directed orders N.A.	
		Exchange Tra	ded Products			
Class of Instrument Notification if <1 average trade per business day in the previous year	(Exchange Trade	ed Funds, Exchange Traded	Notes and Exch	ange Traded Comm	odities)	
	Proportion of volume traded as a percentage	Proportion of orders executed as percentage of	Percentage of	Percentage of	Percentage of	
Top five execution venues ranked in terms of trading volumes (descending order) Baader Bank Aktiengesellschaft, 529900JFOPPEDUR61H13	of total in that class 41,26%	total in that class 89,88%	passive orders 11,43%	aggressive orders 88,57%	directed orders N.A.	
Crossflow Financial Advisors GmbH, 3912000ECOXD95PA2E12 SQUARE GLOBAL LIMITED, 213800MR2O27473V4D51	25,85% 11,99%	1,38% 0,72%	0,00% 0,00%	100,00% 100,00%	100,00% 100,00%	
Hauck Aufhaeuser Lampe Privatbank AG, 529900OOZP78CYPYF471 ODDO BHF SCA, 9695002I9DJHZ3449O66	11,37% 8,57%	5,62% 1,64%	0,00% 0,00%	100,00% 100,00%	100,00% 100,00%	
Class of Instrument		Emission a	illowances			
Notification if <1 average trade per business day in the previous year	Proportion of volume	Proportion of orders	r			
Top five execution venues ranked in terms of trading volumes (descending order)	traded as a percentage of total in that class	executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
NA.	N.A.	N.A.	N.A.	N.A.	N.A.	
Class of Instrument		Other Ins	truments			
Notification if <1 average trade per business day in the previous year		,	r			
	Proportion of volume traded as a percentage	Proportion of orders executed as percentage of	Percentage of	Percentage of	Percentage of	
Top five execution venues ranked in terms of trading volumes (descending order) Baader Bank Aktiengesellschaft, 529900JFOPPEDUR61H13	of total in that class 100,00%	total in that class 100,00%	passive orders 0,00%		directed orders 0,00%	
Class of Instrument	Securities finance	cing transactions (SFTs) for	all classes of in	struments*		
Notification if <1 average trade per business day in the previous year		,	r			
Top five execution venues ranked in terms of trading volumes (descending order)		Proportion of volume traded as a percentage of total in that class		Proportion of orders ed as percentage of total in that class		
N.A.		N.A.		N.A.		



		/ DAADEN /					
Class of Instrument	Equities - Shares and Depositary Receipts without liquitdy band Y						
Notification if <1 average trade per business day in the previous year	Proportion of volume	Proportion of orders					
Top five execution venues ranked in terms of trading volumes (descending order)	traded as a percentage of total in that class	executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
MarketAxess NL B.V., MANL, 5299000UUYW66L5LT560	100,00%	100,00%	0,00%	45,00%	0,00%		
Class of Instrument	Equities -	Shares and Depositary Rece	eipts: Tick size lic	guidity bands 5 and	16		
Notification if <1 average trade per business day in the previous year	,)					
	Proportion of volume traded as a percentage	Proportion of orders executed as percentage of	Percentage of	Percentage of	Percentage of		
Top five execution venues ranked in terms of trading volumes (descending order) N.A.	of total in that class N.A.	total in that class N.A.	passive orders N.A.	aggressive orders N.A.	directed orders N.A.		
Class of Instrument Notification if <1 average trade per business day in the previous year	Equities - 9	Shares and Depositary Rece		quidity bands 3 and	14		
Notification if \$1 average trade per business day in the previous year	Proportion of volume	Proportion of orders	<u> </u>				
Top five execution venues ranked in terms of trading volumes (descending order)	traded as a percentage of total in that class	executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.		
Class of Instrument	Equities - 9	Shares and Depositary Rece	eipts: Tick size lid	quidity bands 1 and	12		
Notification if <1 average trade per business day in the previous year		١	(
	Proportion of volume traded as a percentage	Proportion of orders executed as percentage of	Percentage of	Percentage of	Percentage of		
Top five execution venues ranked in terms of trading volumes (descending order) N.A.	of total in that class N.A.	total in that class N.A.	passive orders N.A.	aggressive orders N.A.	directed orders N.A.		
Class of instrument Notification if <1 average trade per business day in the previous year		Debt Instrum					
	Proportion of volume	Proportion of orders					
Top five execution venues ranked in terms of trading volumes (descending order)	traded as a percentage of total in that class	executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
Bloomberg Trading Facility B.V., BTFE, 254900QBKK4WBSO3GE51 MarketAxess NL B.V., MANL, 5299000UUYW66L5LT560	93,39% 6,61%	86,16% 13,84%	N.A. N.A.	N.A.	N.A.		
Class of Instrument		Debt Instruments	: Money Markets	i			
Notification if <1 average trade per business day in the previous year		<u> </u>	1				
	Proportion of volume traded as a percentage	Proportion of orders executed as percentage of	Percentage of	Percentage of	Percentage of		
Top five execution venues ranked in terms of trading volumes (descending order) Bloomberg Trading Facility B.V., BTFE, 254900QBKK4WBSO3GE51	of total in that class 100,00%	total in that class 100,00%	passive orders N.A.	aggressive orders N.A.	directed orders 0,00%		
Class of Instrument Notification if <1 average trade per business day in the previous year	Interest Rate De	rivatives: Futures and Option		Frading on a Tradin	g Venue		
	Proportion of volume	Proportion of orders					
Top five execution venues ranked in terms of trading volumes (descending order) N.A.	traded as a percentage of total in that class N.A.	executed as percentage of total in that class N.A.	Percentage of passive orders N.A.	Percentage of aggressive orders N.A.	Percentage of directed orders N.A.		
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.		
Class of Instrument	Interest Rate	e Derivatives: Swaps, forwa	rds, and other int	terest rates derivati	ves		
Notification if <1 average trade per business day in the previous year	Dranartian of valuma	Proportion of orders	<u>(</u>				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.		
Class of Instrument	Credit Deriva	tives: Futures and Options	Admitted to Trac	ling on a Trading V	enue		
Notification if <1 average trade per business day in the previous year	Orean Deriva)		ang on a trading v	Citato		
	Proportion of volume traded as a percentage	Proportion of orders executed as percentage of	Percentage of	Percentage of	Percentage of		
Top five execution venues ranked in terms of trading volumes (descending order) N.A.	of total in that class N.A.	total in that class N.A.	passive orders N.A.	aggressive orders N.A.	directed orders N.A.		
Class of Instrument Notification if <1 average trade per business day in the previous year		Credit Derivatives: Ot		tives			
Trouncation in Traverage trade per pushiess day in the previous year	Proportion of volume	Proportion of orders	•				
Top five execution venues ranked in terms of trading volumes (descending order)	traded as a percentage of total in that class	executed as percentage of total in that class		Percentage of aggressive orders	Percentage of directed orders		
Bloomberg Trading Facility B.V. (MTF), BTFE, 254900QBKK4WBSO3GE51	100,00%	100,00%	0,00%	25,00%	0,00%		
Class of Instrument	Currency Deriv	vatives: Futures and Options	s Admitted to Tra	ading on a Trading	Venue		
Notification if <1 average trade per business day in the previous year			1				
	Proportion of volume traded as a percentage	Proportion of orders executed as percentage of	Percentage of	Percentage of	Percentage of		
Top five execution venues ranked in terms of trading volumes (descending order) N.A.	of total in that class N.A.	total in that class N.A.	passive orders N.A.	aggressive orders N.A.	directed orders N.A.		
Class of Instrument Notification if <1 average trade per business day in the previous year	Currenc	y Derivatives: Swaps, forwa Y	rds, and other cu	urrency derivatives			
	Proportion of volume	Proportion of orders	D 1	D	D 1		
Top five execution venues ranked in terms of trading volumes (descending order)	traded as a percentage of total in that class	executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
Bloomberg Trading Facility B.V. (MTF), BTFE, 254900QBKK4WBSO3GE51	69,65%	65,80%	0,00%	100,00%	N.A.		
Class of Instrument Notification if <1 average trade per business day in the previous year		Structured finan					
	Proportion of volume	Proportion of orders					
Top five execution venues ranked in terms of trading volumes (descending order)	traded as a percentage of total in that class	executed as percentage of total in that class	Percentage of passive orders		Percentage of directed orders		
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.		

Class of Instrument	Equity Deriva	tives: Futures and Options		ding on a Trading V	enue
Notification if <1 average trade per business day in the previous year)	1		
	Proportion of volume	Proportion of orders			
Top five execution venues ranked in terms of trading volumes (descending order)	traded as a percentage of total in that class	executed as percentage of total in that class	Percentage of	Percentage of aggressive orders	Percentage of directed orders
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Class of Instrument		Equity Derivatives: Swaps	and other equity	derivatives	
Notification if <1 average trade per business day in the previous year		, , , , , , , , , , , ,	(
	Proportion of volume	Proportion of orders			
	traded as a percentage	executed as percentage of	Percentage of	Percentage of	Percentage of
Top five execution venues ranked in terms of trading volumes (descending order)	of total in that class	total in that class	passive orders		directed orders
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Class of Instrument	P.	erwitized Devisetisees More	nto and Cartifica	to Derivetives	
Notification if <1 average trade per business day in the previous year	26	curitized Derivatives: Warra	nts and Certifica	te Derivatives	
Houncation if a verage trade per business day in the previous year	Decreation of column		·		
	Proportion of volume traded as a percentage	Proportion of orders executed as percentage of	Percentage of	Percentage of	Percentage of
Top five execution venues ranked in terms of trading volumes (descending order)	of total in that class	total in that class	passive orders	aggressive orders	directed orders
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Class of Instrument		Securitized Derivatives: Other		Derivatives	
Notification if <1 average trade per business day in the previous year			1		
	Proportion of volume	Proportion of orders	Daniel 1	D 1	Daniel 1
Top five execution venues ranked in terms of trading volumes (descending order)	traded as a percentage of total in that class	executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Class of Instrument		modities derivatives and en tions and Futures admitted			
Notification if <1 average trade per business day in the previous year	O,	otions and Futures admitted		rading venue	
	Proportion of volume	Proportion of orders			
	traded as a percentage	executed as percentage of	Percentage of	Percentage of	Percentage of
Top five execution venues ranked in terms of trading volumes (descending order) N.A.	of total in that class N.A.	total in that class N.A.	passive orders N.A.	aggressive orders N.A.	directed orders N.A.
N.A.	IN.A.	N.A.	N.A.	IN.A.	IN.A.
	Com	modities derivatives and en	nission allowand	es Derivatives:	
Class of Instrument Notification if <1 average trade per business day in the previous year	Other	commodities derivatives and		ances derivatives	
Notification if <1 average trade per business day in the previous year		1			
	Proportion of volume traded as a percentage	Proportion of orders executed as percentage of	Percentage of	Percentage of	Percentage of
Top five execution venues ranked in terms of trading volumes (descending order)	of total in that class	total in that class	passive orders		directed orders
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Class of Instrument		Contracts for	r difference		
Notification if <1 average trade per business day in the previous year		1	1		
	Proportion of volume	Proportion of orders			
Top five execution venues ranked in terms of trading volumes (descending order)	traded as a percentage of total in that class	executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Class of Instrument		Exchange Tra			
Notification if <1 average trade per business day in the previous year	(Exchange Trade	ed Funds, Exchange Traded		ange Traded Comm	odities)
	Proportion of volume	Proportion of orders			
	traded as a percentage	executed as percentage of	Percentage of	Percentage of	Percentage of
Top five execution venues ranked in terms of trading volumes (descending order) N.A.	of total in that class N.A.	total in that class N.A.	passive orders N.A.	aggressive orders N.A.	directed orders N.A.
N.F.	N.C.	TV-V-	14.74.	14.74.	IV.A.
Class of Instrument		Emission a			
Notification if <1 average trade per business day in the previous year			/		
Notification if \$1 average trade per business day in the previous year					
	Proportion of volume traded as a percentage	Proportion of orders executed as percentage of	Percentage of	Percentage of	Percentage of
Top five execution venues ranked in terms of trading volumes (descending order)	of total in that class	total in that class		aggressive orders	directed orders
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Class of Instrument		Other Ins			
Notification if <1 average trade per business day in the previous year		,	(
	Proportion of volume	Proportion of orders			
Top five execution venues ranked in terms of trading volumes (descending order)	traded as a percentage of total in that class	executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Class of Instrument	Securities finance	cing transactions (SFTs) for	all classes of ins	struments*	
Notification if <1 average trade per business day in the previous year		Y			
Top five execution venues ranked in terms of trading volumes (descending order)		volume traded as		orders executed	
N.A.		N.A.		N.A.	

orders executed N.A.

N.A.