

ISO 10383 Market Identifier Code (MIC)

Control											
	COUNTRY	ISO COUNTRY COOK (ISO 2164)	MIC OPERATING MIC 0	NAME-INSTITUTION DESCRIPTION	ACRONYM	CITY	WEST	STATUS DATE	STATU	CREATION DA	17 (OMES)
	LBANIA A	AL AL	XTIR XTIR O	TIRANA STOCK EXCHANGE	ALSA		WWX4.4	JUNE 2005 A	ACTIVE	JUNE 2005	AL COMMS OF SECONTIES.
	LGERIA C	AO	XALG XALG O	ALGIERS STOCK EXCHANGE BOLSA DE DIVIDA E VALORES DE ANGOLA (BODIVA) - ANGOLA SECURITIES EXCHANGE	RODIVA	ALGERS	WWW.BODVA.AO	APRIL 2017 A	ACTIVE ACTIVE	APRIL 2017	REQUIATED MARKETS FOR SECURITIES TRACKING.
	RGENTINA A	AR AR	BACE BACE O BCFS BCFS O	BOLSA DE CEREALES DE BUENOS AIRES BOLSA DE COMERCIO DE SANTA FE		SUENOS AIRES SANTA FE	WWW.BOLCEREALES.COM.AR WWW.BCSC.COM.AR	JANUARY 2011 A NOVEMBER 2007 A	ACTIVE ACTIVE	JANUARY 2011 NOVEMBER 2007	COMMODITY DICHARGE.
Column	RGENTINA A	AR AD	MVCX XBCC S	MERCADO DE VALORES DE CORDOBA SA. BOSABRO DITUBE ENCUANCE	entry	CORDOBA	WWW.MERVALCORDOBA.COM.AR	JANUARY 2011 A	ACTIVE	JANUARY 2011 OCTOBER 2009	SECURITION MAINTERS ON DITHIGGS AWAITERS WAY
	RGENTINA	AR	xacc xacc o	BOLSA DE COMERCIO DE CORDOBA		CORDOBA	WWW.BOLSACBA.COM.AR	JANUARY 2011 A	ACTIVE	JANUARY 2011	
	RGENTINA A	AR AR	XECK RECM S	MERCADO DE VALORES DE MENDOZA S.A.		MENDOZA	WWW.MERNAMZA.COM.AR	JANUARY 2011 A	ACTIVE	JANUARY 2011	
	RGENTINA A	AR .	XMUS XBUE O XCNF XCNF O	BUCIA DE COMERCIO DE BUENOS AIRES BOLSA DE COMERCIO CONFEDERADA S.A.	BCC	MUENOS AIRES CORRIENTES	WWW.BOLSANDR.COM	JANUARY 2011 A NOVEMBER 2007 A	ACTIVE ACTIVE	NOVEMBER 2007	
	RGENTINA A	AR AR	XMAG XMAG O XMEV XGUE S	MERCADO ABIERTO ELECTRONICO S.A. MERCADO DE VALORES DE BUENOS AIRES S.A.	MAE MERVAL	BUENOS AIRES BUENOS AIRES	WWW.MAE.COM.AR WWW.MERVALSBA.COM.AR	JUNE 2005 A	ACTIVE ACTIVE	JUNE 2005 JUNE 2005	
	RGENTINA A	AR	XMTB XMTB O	MERCADO A TERMINO DE BUENOS ARRES S.A.	MATRA	BUENOS AIRES	WWW.MATBA.COM.AR	JUNE 2005 A	ACTIVE	JUNE 2005	
	RIGENTINA A	AR AR	XROS XROS O	BOLSA DE COMERCIO ROSABIO	BCR	ROSARIO	WWW.BCR.COM.AR	JUNE 2005 A	ACTIVE	JUNE 2005	
	RGENTINA A	AR AR	XROX XROS S XTUC XROS S	MERCADO DE VALORES DE ROSARIO S.A. NUEVA BOLSA DE COMERCIO DE TUCUMAN S.A.	MERVAROS	ROSARIO TUCUMAN	WWW.NET.COM.AR	JANUARY 2011 A NOVEMBER 2007 A	ACTIVE ACTIVE	NOVEMBER 2007	
	AMENIA A	AM	XARM XARM O	NASDAQ OMIXARMENIA SYDNEY STOCK ENCHANCE HIMITED	ARMEX	YEREVAN	WWW.NASDAQOMX.COM	FEBRUARY 2011 A	ACTIVE	FEBRUARY 2011	NASSIGNOM ANNERS IN THE KINN HANG OF THE ANIMONIS STOCK EXCHANGE. AS A GOVERNEY CHANGE OF THE ANIMONIS STOCK EXCHANGE. AS A GOVERNEY CHANGE OF THE ANIMONIS STOCK EXCHANGE AND STREETS FOR STOCK AND
	USTRALIA A	AU	AGNE XAGN S	AXI GOVERNMENT	ASX	SYDNEY	WWW.ASX.COM.AU	OCTOBER 2012 A	ACTIVE	OCTOBER 2012	ON MARKET AUTOMATED BOOKBUILD MECHANISM CALLED AXX BOOKBUILD TO ALLOW ACK USTED COMPANIES TO PRICE AND ALLOCATE NEW SECURITIES.
Column	USTRALIA A	AU	AGNP XASK S	ASX - PUREMATCH	ASX	SYDNEY	WWW.ASK.COM.AU/TRADING_SERVICES/ASH-TRADE.HTM	AUGUST 2011 A	ACTIVE	AUGUST 2011	LICHING MODIFICATION AND CONTROL PROGRAM EXPORTANCE AND CONTROL PROGRAM OF THE CONTROL PROG
	LISTRALIA A	AU	AGKT XASK S AGKV XASK S	ASKTRADEMATCH ASK - VOLUMEMATCH	ASX ASX	SYDNEY	WWW.ASK.COM.AU/TRADING_SERVICES/ASK-TRADE.HTM	MAY 2012 A AUGUST 2011 A	ACTIVE ACTIVE	SEPTEMBER 2011 AUGUST 2011	I MIRICE RETWIEN ASK AND SET. ARX LANGED VOILINEMENT HIS WIN 2011, AN ASK TRACE EXECUTION FACILITY THAT EMAILS END USERS TO SEARCH FOR LIQUIDITY AND DECLITE LARGE ORDERS ANONYMOUSLY.
	USTRALIA A	AU	AWEX AWEX O	AUSTRALIAN WHEAT BOARD AUSTRALIAN WOOD, EVENANCE	AND	MELBOURNE LANS COUS	WWW.AWE.COM.AU	SEPTEMBER 2006 A	ACTIVE	SEPTEMBER 2006 SEPTEMBER 2006	
	LISTRALIA A	AU	BLEV BLEV O	BLOCK EVENT	Anna	MELBOURNE	WWW.SLOCKEVENT.COM	APRIL 2015 A	ACTIVE	APRIL 2015	ELECTRONIC BLOCK TRADING PLATFORM FOR EQUITIES.
	USTRALIA A	AU	CFAU CSAU S	CROSSPINGER AUSTRALIA		SYDNEY	WWW.CREDIT-SUISSE.COM/HYEN/INVESTMENT-BANKING/CLIENT-OFFERING/AES/CROSSFINGER.HTML	OCTOBER 2015 A	ACTIVE	OCTOBER 2015	BLOCK FLOCKING DEGINERY PUCH FOR ADMINISTRATION LEIGHBLS. COUNTS ALL REMANNE LEIGHBLY POOL AUTSTALIA.
	LISTRALIA A	AU	CGMA CGMA O CHA CHA O	OH: MATCH AUSTRALIA OH: X AUSTRALIA		SYDNEY	HTTP://CG.CITI.COM/ICG/GLOBAL_MARKETS/PRODUCT_SOLUTIONS/GLOBAL_EQUITIES/CITI_MATCH.ISP WWW.CH-X.COM/APAC/	JULY 2012 A APRIL 2010 A	ACTIVE ACTIVE	JULY 2012 APRIL 2010	
	USTRALIA A	AU	CLAU CLAU 0	CLSA ALISTRALIA - DARK ORDIT GUISSE COURTES LAUSTRALIAL HANTED		SYDNEY	WWW.CLSA.COM	JULY 2015 A	ACTIVE	SULY 2005 SEPTEMBER 2015	DARFOCE. SECURITOR DEPUTE DE LINE DE
	USTRALIA A	AU	CHAC CHIA S	CH-X MARKET ALISTRALIA - LIMIT VENUE	OA CO	SYDNEY	WWW.CH-X.COM.AU	MAY 2004 A	ACTIVE	SEPTEMBER 2012	CASALIMITY SHOUL
	USTRALIA A	AU	DIAM CHIA S	OH-XADSHADARARAT REGINARDINI) VENDE	CA .	SYDNEY	WWW.CH-X.COM.AU	SEPTEMBER 2013 A	ACTIVE	SEPTEMBER 2013	CH-KIMBORIU NE D-KIMBORI NE D-KIMBORI CH CONTROL NE D-
Column	USTRALIA A	AU AU	CHAN CHIA S CHAP CHIA S	CHI-X AUSTRALIA PRIMARY PEG (NEARPOINT) VENUE CHI-X AUSTRALIA MID-PCINT VENUE	OIA OIA	SYDNEY	WWW.CH-X.COM.AU WWW.CH-X.COM.AU	MAY 2004 A MAY 2004 A	ACTIVE ACTIVE	MAY 2014 MAY 2014	CIN-KERMARY REGISTRATION VIRTUE CIN-KIND-POINT VIRTUE CIN-KIND-POI
	USTRALIA A	AU	CHAQ CHIA S	CHI-X AUSTRALIA -QUOTED MANAGED FUNDS CHI-X AUSTRALIA - TRANSCERABLE CHI-STORY RECEIPT MARKET	CHA	SYDNEY	WWW.CH-X.CDM.AU	DECEMBER 2016 A	ACTIVE	DECEMBER 2016	CAN TUTTO MANAGET TO THE CAN T
	USTRALIA A	AU	CHAV CHA S	OLYWWP	CO.	SYDNEY	WWW.OHX.COM.AU	SEPTEMBER 2013 A	ACTIVE	SEPTEMBER 2013	CHANNEY PRODUC
	USTRALIA A	AU	MACB MACK S	MACQUARIE AUSTRALIA BLOCK CROSSING	- A	SYDNEY	WWW.MACQUARE.COM	NOVEMBER 2015 A	ACTIVE	NOVEMBER 2015 NOVEMBER 2017	1 LTT- 8 TROUGHOUS 7
Column	USTRALIA /	AU	MAQK MAQK 0 MSAL MSAL 0	MACQUARIE INTERNAL MARKETS JAUSTRALIA) MORGAN STANLEY AUSTRALIA SECURITIES LIMITED		SYDNEY	WWW.MACQUARE.COM WWW.MORGANSTANLEY.COM	APRIL 2015 A	ACTIVE ACTIVE	MARCH 2012 JULY 2005	MACQUARIT DARK POOL (MUSTRALIA)
	USTRALIA A	AU AU	NSIGN NSIGN O	BENDIGO STOCK EKCHANGE LIMITED 9 GMA XAUSTRALIA	asx	MELBOURNE SYDNEY	WWW BSK COM AU WWW SSET (SC COM	JUNE 2007 A FEBRUARY 2012 A	ACTIVE ACTIVE	JUNE 2007 FEBRUARY 2017	ATTINATIVE TRACING SISTEM (ATS)OFFEATIO BY GOLDMAN SICHS
	USTRALIA A	AU	SIMV SIMV O	SM VENTURE SECURITIES EXCHANGE	arv	SYDNEY	WWW SINVSE COM AU	DECEMBER 2011 A	ACTIVE	DECEMBER 2011	
	USTRALIA A	AU .	RAGE MEEK O	PEX GLOBAL	PEX PEX	SYDNEY	WWW.FEX.COM.AU	JUNE 2012 A DECEMBER 2019 A	ACTIVE ACTIVE	MAY 2012 NOVEMBER 2014	ELECTRONIC TRACHING PLATICIAN REGISTRED MARKET FOR INERCY, COMMODITY AND DIVISIONMENTAL DEPURTMENT.
	USTRALIA A	AU AU	XVEC XNEC O	NATIONAL STOCK EXCHANGE OF AUSTRALIA LIMITED AGK - TRADECH	NSXA SFE	NEWCASTLE SYDNEY	WWW.SECOM.AU	JUNE 2007 A MAY 2012 A	ACTIVE ACTIVE	SUNE 2007 SEPTEMBER 2000	
	USTRALIA A	AU AT	XVIE XVIE O	WILLDROOKER PTY LTD WARNED BORDER AC. ADA		SYDNEY	WWW.YIELDRICHER.COM	JUNE 2005 A	ACTIVE ACTIVE	JUNE 2005	ARRIVATOR DIGITAL TOPIC ARRIVATIONS ARRIVATOR OF THE STATE OF THE STAT
	LISTRIA ARTELL	AT .	BKSK BKSK O	BIS BANK AG - SYSTEMATIC INTERNALISER		KLAGENFURT AM WOERTHERSEE	TAZBE WWW	AUGUST 2008 A	ACTIVE	AUGUST 2018	OFFICIAL PRODUCTION OF THE PROPERTY OF THE PRO
	LISTRIA A	AT AT	EGSI EGSI O EXAA XWBO S	ERSTE GROUP BANK AG WIDNER BOERSE AG, AUSTRIAN ENERGY DICHANGE	DIAA	MENNA MENNA	WWW.EXFEGROUP.COM WWW.EXPA.AT	JANUARY 2017 A MAY 2016 A	ACTIVE ACTIVE	JANUARY 2017 MAY 2007	DISTRAMIC INTERNALISM.
	USTRIA A	AT AT	OBKL OBKL O	OBERBANK AG - SYSTEMATIC INTERNALISER RAIFEGSIN BANK INTERNATIONAL AG - SYSTEMATIC INTERNALISEP		UNZ VIENNA	WWW.SERSANCAT WWW.SEINTERNATIONAL.COM	AUGUST 2008 A	ACTIVE ACTIVE	AUGUST 2018 JULY 2018	SUTTANTO INTERNALISE. SYSTEMATE INTERNALISE.
	USTRIA	AT	RIBO RIBO O	RAIFFEISENLANDESBANK OBERÖSTERREICH - SYSTEMATIC INTERNALISER		LINZ	WWW.REGOG.AT	APRIL 2018 A	ACTIVE	APRIL 2018	SYSTEMATIC INTERNALISER.
Section Sect	USTRIA A	AT AT	SINB SINB O	SALIBURGER LANDES HIPOTHEKENBANK UNICREDIT BANK AUSTRIA AG		VIENNA	WWW.MPGSALZBURG.AT WWW.BANKALSTRIA.AT	OCTOBER 2018 A	ACTIVE ACTIVE	OCTOBER 2018	SYSTEMATIC INTERNALISER. REGISTERO FOR SYSTEMATIC INTERNALISER RUT NON-ACTIVE. SYSTEMATIC INTERNALISER. REGISTERO FOR SYSTEMATIC INTERNALISER RUT NON-ACTIVE.
	LISTRIA A	AT AT	WRAH XWEO S WIRDW XWEO S	WIENER BOERSE AG AMTLICHER HANDEL (DEFICIAL MARKET) WIENER BOERSE AG DRITTER MARKET (THIRD MARKET)		VIENNA VIENNA	WWW.WENERBOERSE.AT	JULY 2007 A	ACTIVE ACTIVE	JULY 2007 JULY 2007	
	USTRIA /	AT AT	MICE MICE O	RAIFFESEN CENTROBANK AG - SYSTEMATIC INTERNALISER	RCB	VIENNA	WWW.RCE.AT	NOVEMBER 2017 A	ACTIVE	NOVEMBER 2017	7 SYSTEMATIC INTERNALISER.
	USTRIA A	AT	XWBO XWBO O	WINER BORRE AG		VIENNA	WWW.WIENERBOERSE.AT	NOVEMBER 2008 A	ACTIVE	NOVEMBER 2008	
	ZERBAHAN A	AZ AZ	BSEX BSEX O	BAKU STOCK DICHANGE BAKU INTERBANK CURRENCY EXCHANGE		BAKU	WWW.BSE.AZ WWW.BBVB.ORG	SEPTEMBER 2007 A JUNE 2005 A	ACTIVE ACTIVE	SEPTEMBER 2007 JUNE 2005	
	AHAMAS E	85 8u	XDAA XDAA O	BAHAMAS INTERNATIONAL SECURITIES EXCHANGE BAHRAM DINANCIAL PERCHANGE	BISK	NASAU MANAMA	WWW.BISIBAUANAS.COM	JUNE 2005 A	ACTIVE	JUNE 2005 OCTOBER 2010	THE BODY OF THE DOOR MILE THANKET OF AND ENVIRONGED THE MINTH EACT EXCORAGE AND WILE GREEK THANKET AND WILL SEE INTERNATIONAL IN ACTION AND THANKET AND THANKET AND SHABILATORINATE ORIGINATE AND SHABILATORINATE ORIGINATE AND SHABILATORINATE ORIGINATE AND SHABILATORINATE ORIGINATE ORIGINATE AND SHABILATORINATE ORIGINATE ORIGIN
	AIRAN E	QH	XDAH XDAH O	BAHRAIN BOURSE	252	MANAMA	WWW.BAHRAINBOURSE.COM.BH	JUNE 2011 A	ACTIVE	JUNE 2011	THE WALL THE TOTAL THAT THAT THE TOTAL THAT THAT THAT THAT THAT THAT THAT T
Section Sect	ANGLADESH E	8D	XDHA XDHA D	DINAKA STOCK EXCHANGE LTD	DSE	DHAKA	WWW.DSBD.DRG	JUNE 2005 A	ACTIVE	JUNE 2005	
Section	ARBADOS E	99 99	DAIM MAR S XRAR MAR O	BARBADOS STOCK EXCHANGE - JUNIOR MARKET BARBADOS STOCK EXCHANGE	95E 95E	BRIDGETOWN	WWW.RSE.COM.RB WWW.RSE.COM.RB	MARCH 2013 A JUNE 2005 A	ACTIVE ACTIVE	MARCH 2013 JUNE 2005	MANUT FOR SMALL COMPANIES MANU MARKET TO MARKET THE MANUE MAN
	ELARUS E	OF C	BCSE BCSE O	BELARUS CURRENCY AND STOCK DICHANGE DIRONEYT GROWTH BRUSELS	acst	MINSK BB (SSE) S	WWW.RCSC.RY	AUGUST 2006 A	ACTIVE	AUGUST 2006 AUGUST 2007	
		20	BEAM BEAM O	MTS ASSOCIATED MARKETS		BRUSSELS	WWW.MTSBLGUM.COM	MAY 2007 A	ACTIVE	MAY 2017	
	ELGIUM E	96	BELE BELE C	BELFIUS BANK NIJSA BELFIUS BANK NIJSA FIXED INCOME - SYSTEMATIC INTERNALISER		BRUSSELS	WWW.BELFIUS.COM	FEBRUARY 2018 A	ACTIVE ACTIVE	FEBRUARY 2018 FEBRUARY 2018	SYSTEMATIC INTERNALISES FOR COSPORATE, COVERED AND OTHER PUBLIC BONDS ISSUED BY BILLOWN ISSUEDS.
Common	ELGIUM E	96	BKBF BKBR S	BNY MELLON S.A./N.V BRUSSELS BRANCH - SYSTEMATIC INTERNALISER BNY MELLON S.A./N.V BRUSSELS BRANCH	SINYM SINYM	BRUSSELS BRUSSELS	WWW.SNYMELLON.COM	OCTOBER 2017 A OCTOBER 2017 A	ACTIVE ACTIVE	OCTOBER 2017 OCTOBER 2017	SYSTOMATIC INTERNALISER.
	ELGIUM E	20	BLPX BLPX O	BELGIAN POWER EXCHANGE	BLPX	BRUSSELS BRUSSELS	WWW.BELPECBE	NOVEMBER 2007 A	ACTIVE	NOVEMBER 2007 NOVEMBER 2005	
	ELGIUM	96	BAPF BAPF O	BNP PARIBAG PORTIS SA/NV- SYSTEMATIC INTERNALISER	BNPPF SI	BRUSSELS	WWW.SNPPARIBASFORTIS.COM	DECEMBER 2017 A	ACTIVE	DECEMBER 2017	SYSTEMATIC INTERNALISER.
	ELGIUM E	96	MEXE MERE S	EUROMENT ACCESS BRUSSELS		BRUSSELS	WWW.EURONEXT.COM	JUNE 2017 A	ACTIVE ACTIVE	AUGUST 2007	SYSTEMATIC IN TERMALISER.
Set A C	ELGIUM E	20	MTSD BEAM S MTSF BEAM S	MTS DEMMARK MTS FINLAND		BRUSSELS BRUSSELS	WWW.MTSDNMARCOM	JUNE 2017 A	ACTIVE ACTIVE	NOVEMBER 2005 NOVEMBER 2005	
	ELGIUM E	96	SMBB SMBB O	SUMITOMO MITSUI BANKING CORPORATION - BRUSSELS BRANCH - SISTEMATIC INTERNALISER		BRUSSELS	WWW.SMBCGROUP.COM	JULY 2018 A	ACTIVE	JULY 2018	SYSTEMATIC INTERNALISER.
	ELGIUM	30	TNLK MIRU S	EURONEXT BLOCKS		BRUSSELS	WWW.EURONEXT.COM	MAY 2009 A	ACTIVE	MAY 2019	MULTILATIBAL TRADING FACULTY (MTF) FOR BLOCKS.
Series of the se	ELGIUM E	96	XORD XORU S	EURONEXT - FURONEXT BRUSSELS - DERIVATIVES		BRUSSELS	WWW.EURONEXT.COM	APRIL 2015 A	ACTIVE	NOVEMBER 2007	
	ELGIUM E ERMUDA E	ac am	XBRU XBRU 0 24EX 24EX 0	EURONDAT - EURONDAT BRUSSELS 24 DICHANGE	24EX	BRUSSELS BERMUDA	WWW.DIRDNEXT.COM	APRIL 2015 A SEPTEMBER 2019 A	ACTIVE ACTIVE	SUNE 2005 SEPTEMBER 2009	PORTIGO ENDIANCE AND EQUITIES.
Series	ERMUDA E	aw.	GTHE GTHE 0	GTXECN		HAMILTON	WWW.GAINGTX.COM	DECEMBER 2017 A	ACTIVE	DECEMBER 2017	GTX ELECTRONIC COMMUNICATIONS NETWORK.
	OLIVA E	90	XBOL XBOL O	BOLSA BOLIVIANA DE VALORES S.A.	wax .	LA PAZ	WWW.BOLSA-VALORES-BOLIVIA.COM	JUNE 2005 A	ACTIVE	JUNE 2005	
William Image: Minimary Color William Color Willia	OSNIA AND HERZEGOVINA E	DA DA	BLBF XBLB S	BANIA LUKA STOCK EKCHANGE - FREE MARKET BANIA LUKA STOCK EKCHANGE	BLSE	BANIA LUKA BANIA LUKA	WWW.BLEERZA.COM	MARCH 2013 A OCTOBER 2005 A	ACTIVE ACTIVE	MARCH 2013 OCTOBER 2005	
Section	OSNIA AND HERZEGOVINA E	DA DW	NSSE NSSE O BOTE NBOT	SARANENO STOCK ENCHANGE BOTSWANA STOCK EXCHANGE - EXCHANGE TRADED PUNDS (ETF)	SASE	SARAIEVO GABORONE	WWW.SAST.BA WWW.SEC.CO.BW	JUNE 2007 A MARCH 2013 *	ACTIVE ACTIVE	JUNE 2007 MARCH 2013	
Series of the se		aw.	BOTV XBOT S	BOTSWANA STOCK EXCHANGE - VENTURE CAPITAL	BOT	GABORONE	WWW.BSE.CO.BW	MARCH 2013 A	ACTIVE	MARCH 2013	
	DISWANA E RAZIL E	DR .	SMOI XBOT O BCMM BCMM O	BOISA DE CERRAS E MERCADORIAS DE MARINGÁ		MARINGA	WWW.BCMW.COM.BR	MARCH 2005 A	ACTIVE ACTIVE	DECEMBER 2010	COMMODITIES MARKET.
	RAZIL E	gR gR	BOVM BOVM O	BOLSA DE VALORES MINAS ESPÍRITO SANTO-BRAGÍLIA BRAZILIAN ENERGY EXCHANGE		ESPIRITO SANTO SAO PAULO	WWW.BOWMESB.COM.BR	MARCH 2013 A MAY 2011 A	ACTIVE ACTIVE	DECEMBER 2010 MAY 2011	COMMODITES MARKET. ELECTRONIC TRANSPER PLATFORM FOR OTC DESIGNATIVES
	RAZIL E	0R 00	BYMF BYMF O	SMEFROVESPAS: A - ROLSA DE VALORES, MERCADORIAS E FUTUROS CETTO S.A MERCADOS ORGANIZADOS		SAO PAULO BIO DE JANEIRO	WWW.SMFBOYESPA.COM.SR	APRIL 2010 A	ACTIVE	APRIL 2010	SQUITES, SECURITES, REMACHA ASSETS, NICES, INTEREST BATS, AGRICULTURAL COMMODITES, AND FOREIGN EXCHANGE RIVILIES AND SPOT CONTRACTS. BELEFON'S TRANSPORT TO ADDRESS AND ADDRESS AND ADDRESS AND ADDRESS AND SPOT CONTRACTS. BELEFON'S TRANSPORT AND ADDRESS AND
Secondary Seco	RAZIL E	98	SELC SELC O	SSTEMA ESPECIAL DE LIQUIDACAD E CUSTODIA DE TITULOS PUBLICOS		RIO DE JANEIRO	WWW4 BCB GDV BR	JANUARY 2011 A	ACTIVE	JANUARY 2011	SELE GESTEAM ESPECIAL DE LIQUISDAMO E CUSTODIANO ET INTINUOS PUBLICOS: IN ROBIGIAIS SPECIAL STREAM FOR CUSTODIANO STATUTATION OF PUBLIC SECURITIES; IS THE CONTRAL CUSTODIANO FOR ALL SECURITIES MITTED BY THE BRAZILIAN NATIONAL TREASURY.
	ULGARIA E	BG	BGHX BGHX 0	BALKAN GAS HUB EAD		SORA	WWW.BALKANGASHUB.BG	DECEMBER 2019 A	ACTIVE	DECEMBER 2019	COMMONIES AND GERIATINGS SOFT AND EXCHANGE MARKET OWNATOR.
	ULGARIA E	BG BG	GBUL XBUL S IBEX IBEX O	BULGARIAN STOCK EXCHANGE - SME GROWTH MARKET BEAM INDEPENDENT BULGARIAN ENERGY EXCHANGE	BEAM IBEX	SORA SORA	WWW.BES-SCHA.BG WWW.BEX.BG	JANUARY 2019 A DECEMBER 2015 A	ACTIVE ACTIVE	JANUARY 2019 DECEMBER 2015	BULGARIAN STOCK ENCHANGE SME GROWTH MARKET. INCH WAS STREET STOCK ENCHANGE SME GROWTH MARKET. INCH WAS STREET STOCK ENCHANGE SME GROWTH MARKET. INCH WAS STREET STOCK ENCHANGE SME GROWTH GROWTH STOCK AND
Second	ULGARIA	es es	IBUL XBUL S	BULGARIAN STOCK EXCHANGE - INTERNATIONAL INSTRUMENTS BULGARIAN STOCK EXCHANGE - INTERNATIONAL INSTRUMENTS	95E 95E-MTE	SORA	WWW.BSF.SCRIA.BG	MAY 2017 A	ACTIVE ACTIVE	MAY 2017	INTERNATIONAL INCOMMENTATION WHITTIATED TRAINING SECRETLY ORGANIZED BY BUILDINGS
Marie	ULGARIA E	ag	MBUL MBUL O	MET SORIA	au-MD	SORA	WWW.CAPMAN.BG	NOVEMBER 2006 A	ACTIVE	NOVEMBER 2016	MALTINETTE PROGRESSION AND ADMINISTRATION OF THE STATE OF
Second	ULGARIA E	MG BG	PMUL XBUL S XBUL XBUL O	BULGARIAN STOCK EXCHANGE - ARA BULGARIAN STOCK EXCHANGE	950	SUPA SUPA	WWW.BSF-SOFIA.BG	DECEMBER 2018 A JUNE 2005 A	ACTIVE ACTIVE	JUNE 2005	APPRIADED PORTUGNATURE ADDROGRAMMENT (APPRI) SERVICE OF THE RELIGIORISM STOCKED CHARGE (RSG.)
March Marc		9G 0H	ZBUL XBUL S XCSX XCSX O	BULGARIAN STOCK EXCHANGE - MAIN MARKET CAMBODIA SECURITIES ENCHANGE		SOFIA PHNOM PENH	WWW.CS.COM.RH	FEBRUARY 2029 A MAY 2012 A	ACTIVE ACTIVE	FEBRUARY 2019 MAY 2012	BULGARIAN STOCK EKONNIGE MAIN MARRET.
Section Sect	AMEROON C	CM	XDSX XDSX O	DOUBLA STOCK EKCHANGE		DOUALA	WWW.DOUALA-STOCK-EXCHANGE.COM	MAY 2008 A	ACTIVE	MAY 2008	RECUSTERIO MARKET POR EQUITIES
Marie	ANADA C	CA CA	CAND CAND 0	CANDEAL CAINC	CANDEAL	TORONTO	WWW.CANDEAL.COM	DECEMBER 2016 A	ACTIVE	DECEMBER 2016	ARXINDRANIA IN MANIMALIAN. ELECTRONIC THOMBOGRALIZORIN FOR RIXED INCOME SECURITIES AND DEBINATIVES.
Control	ANADA G	CA CA	CANX CANX 0	CANNEX FINANCIAL DICHANGE LTS OH-X CANADA ATS	CANNEX	TORONTO TORONTO	WWW.CANNEX.COM WWW.CH-XCANADA.COM	JUNE 2005 A FEBRUARY 2008 A	ACTIVE ACTIVE	JUNE 2005 FEBRUARY 2008	MARKET MODEL FOCUSED ON EQUAL OPPORTURITY TRADRIC AND MARKET-LIVEL INNOVATION TO DRIVE GROWTH IN THE CAMPLIAN EQUITY MARKET
Maria	ANADA C	CA CA	COTC COTC O	BMO CAPITAL MARKETS - CAD OTC TRADES ICE PUTURES CANADA		TORONTO	WWW.THDCS.COM	SEPTEMBER 2013 A	ACTIVE ACTIVE	SEPTEMBER 2013 OCTOPER 3111	3 OVER THE COUNTER TRAINING OF CARE DOLLTY. FLUCTHOME PROTEONED TO TRAIN CHARGES AND PROTOCKS REQUESTS. SEC AREA ACCES MAY CHARGE.
Marie Mari	ANADA C	CA.	IVZX IVZX O	INVESCO CANADA PTE TRADES		TORONTO	WWW.INVESCO.CA	JULY 2014 A	ACTIVE	JULY 2004	TRACING PLATFORM FOR MATURA, FUNES.
Marie	ANADA C	CA CA	LYNX DMGA S	LYRICATS		TORONTO	WWW.DIGITIONST.COM	NOVEMBER 2012 A	ACTIVE ACTIVE	NOVEMBER 2012	### HIGH HIGH HIGH HIGH HIGH HIGH HIGH H
Marie	ANADA G	CA CA	MATN MATN O NEOC NEOE S	MATICH NOW NEO CONNECT	NEO CONNECT	TORONTO TORONTO	WWW.TEJACTCANADA.COM WWW.NEOSTOCKEKOHANGE.COM	JANUARY 2008 A JUNE 2019 A	ACTIVE ACTIVE	JANUARY 2008 JULY 2008	MARKETRACE FOR REGISTERS CANADIAN INVESTMENT OFALES AND THEIR CUENTS TO TRACE CANADIAN LISTED DOQUITIES.
Second S	ANADA C	CA CO	NEOD NEOE S	NEO EXCHANGE - NEO-O (DARK)	NEO-D	TORONTO	WWW.NEOSTOCKECHANGE.COM	JUNE 2019 A	ACTIVE	JULY 2008	
	ANADA C	CA .	NEON NEOE S	NEO EXCHANGE - NEO-N (MARKET BY PRICE)	NEO-N	TORONTO	WWW.NEGSTOCKENCHANGE.COM	JUNE 2019 A	ACTIVE	JULY 2008	
Control Cont	ANADA C	CA.	NUTL NEXT D OMGA OMGA D	NATUKAL WAS EXCHANGE OMEGA ATS	nGX	TORONTO	WWW.NISCOM	MAY 2000 A JANUARY 2008 A	ACTIVE ACTIVE	MAY 2010 JANUARY 2008	THE PROPERTY LEAST FRAMENCY, LESS THAT COUNTERPARTY CLARING AND DATA SERVICES TO THE YORTH AMERICAN NATURAL GAS AND ELECTRICITY MARKETS.
Marie Mari	ANADA C	CA CA	PURE XCNQ S VDRX XTSX	PURE TRADING TSX VENTURE EXCHANGE - DRK		TORONTO TORONTO	WWW.TSK.COM	DECEMBER 2006 A MAY 2009 *	ACTIVE ACTIVE	DECEMBER 2006 MAY 2019	FOR TOW OWN CROSS BOOK TRACES.
No.	ANADA C	CA .	XATS XATS O	ALPHA DXDANGE		TORONTO	WWW.ALPHATRADINGSISTEMS.CA	MAY 2012 A	ACTIVE	MAY 2012	REGULATED MIRRETTPLACE FOR THIORIS EQUITY RELATED SECURITIES.
C	ANADA C	CA CA	XMMX XBBK O XCNQ XCNQ O	PERIONETER FINANCIAL CORP BLOCKBOOK ATS CANADIAN NATION AL STOCK EXCHANGE	CNSX	TORONTO	WWW.CNSLCA	MAY 2008 A APRIL 2009 A	ACTIVE ACTIVE	MAY 2008 APRIL 2009	ALLISMONINS INDUSTRO STATE LAND AT THE CASE MULLE IN MORPHOGO OF CANDONN CERTIFIC DIQUITES FORMER'S INDUSTRO AT THE CANDON AT THE CANDON CERTIFICATION AND OFFICE ACCEPTANCES FORMER'S INDUSTRATION AT THE CANDON ATTORN OFFICE OFFICE MULLE (CANDON'S THE MORPHOSE) FORMER'S INDUSTRATION AT THE CANDON CERTIFICATION AND OFFICE ACCEPTANCES FOR A STATE OFFI A STATE OFFI ACCEPTANCES FOR A STATE OFFI A STATE OFFI ACCEPTANCES FOR A STATE OFFI A
Second Content	ANADA C	CA CA	XXX CHC S	O2 NATION OF THE PROPERTY OF T		TORONTO	WWW.CH-X.COM/CA	DECEMBER 2012 A	ACTIVE	DECEMBER 2012	RECURSION MARKET FOR EQUITIES MONITORINATED TO COUNTS
March Marc	WADA C	CA .	XDRK XTSE S	TORONTO STOCK EXCHANGE - DRX	TSKDRK	TORONTO	WWW.TSX.COM	MAY 2009 A	ACTIVE	MAY 2019	FOR TSI GAME ORDER INDUCT TARKES.
Marie Mari	ANADA C	CA CA	NULX XICK D XMOC XMOC D	INSTITUTE LANGUA CROSS MONTREAL CLIMATE EXCHANGE		MONTREAL	WWW.MFXCA	NOVEMBER 2000 A JULY 2008 A	ACTIVE ACTIVE	NOVEMBER 2010 JULY 2008	ALLEMANUS AMARIAN MARRIA PUALE TO MIDISTERIO INVESTMENT DEALERS AND THEIR CUENTS TO TRADE CANADAM LISTED EQUITIES
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Control Cont	HNA C	CN	CCFX CCFX O	CHINA RINANCIAL FUTURES DIXCHANGE	crewac	SHANGHAI	WWW.CFEX.COM.CN	SEPTEMBER 2007 A	ACTIVE	SEPTEMBER 2007	
NA	HNA C	CN CN	CSSX CSSX O	CHINA STAINLESS STEEL EXCHANGE	US DIEL	WUX	WWW.DERG.COM	FEBRUARY 2012 A	ACTIVE	FEBRUARY 2012	
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March	CTIVE OCTOBER 2017 SYSTEMATIC INTERNALISER.
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March Marc	CUTTE 949.2 2059 OBSANSSO TRADNIS FACULTY.
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Company	GERMANY DE	ISO COUNTRY COOK (ISO 2166) MIC BGFI	969	EATING MIC 0/S	NAME-INSTITUTION DESCRIPTION BERENBERG FIRED INCOME - SYSTEMATIC INTERNALISER	ACRONYM BGR	HAMBURG	WEASTE WWW.BERENBERG.COM	SEPTEMBER 2018	STATUS ACTIVE	SEPTEMBER 2018	SYSTEMACIC INTERNALISER FOR FIRED INCOME.
	SERMANY DE SERMANY DE	BGFX BGD	969	S 0	BERENBERG IV- SYSTEMATIC INTERNALISER BERENBERG I SYSTEMATIC INTERNALISER	BGRX BBG	HAMBURG	WWW BERENEES COM	SEPTEMBER 2018 OCTOBER 2017	ACTIVE	SEPTEMBER 2018 OCTORES 2017	ONTERNATION FORWALISES FOR IX. ONTERNATION FORWALISES FOR IX.
	SERMANY DE CERMANY DE	BNV BISB	91NV	0	BOND INVEST - SYSTEMATIC INTERNALISER BAYENI B		FRANKFURT AM MAIN	WWW.STEURING.COM	DECEMBER 2017 MAY 2018	ACTIVE	DECEMBER 2017 MAY 2019	SYSTEMATIC INTERNUISES.
	GERMANY DE	91.85	8188	S .	BAYERNER - BONDS MARKET - SYSTEMATIC INTERNALISER		MUNICH	WWW.BAYERILE.DE	JUNE 2018	ACTIVE	JUNE 2018	SYSTEMATIC IN TERMALISER.
	SERMANY DE GERMANY DE	DITO DITO	81.88 81.88	S S	BAYERNLB - EQUITIES MARKET BAYERNLB - LICP BONDS MARKET		MUNICH	WWW.BAYERNLE.DE	JANUARY 2019 JUNE 2018	ACTIVE ACTIVE	JANUARY 2019 JUNE 2018	
	SERMANY DE	BSFX	EL BB	s .	BAYERNUR - FX HANDEL - SYSTEMATIC INTERNALISER	CATT.	MUNICH	WWW.DAYERNLE.DE	JUNE 2018	ACTIVE	JUNE 2018	SYSTEMATIC INTERNALISER.
	GERMANY DE	CBEA	CEKA		COMMERZBANK AG	CAIS	FRANKFURT	WWW.COMMERZBANK.COM	OCTOBER 2017	ACTIVE	OCTOBER 2017	LELE HEARTE PROFINE PLATFORM FOR SHIPLE FOREIGN MICHIGAN PLATFORM AND METHOD FOR MICHIGAN FOR THE PROFINE PLATFORM FOR SHIPLE FOREIGN FOR SHIPLE FOR SHIPL
	ZERMANY DE GERMANY DE	CBKD	CEKA	S S	COMMERZBANK COMMODITY DERIVATIVES - SYSTEMATIC INTERNALISER COMMERZBANK EQUITY DERIVATIVES - SYSTEMATIC INTERNALISER		FRANKFURT	WWW.COMMERZBANK.COM	OCTOBER 2018	ACTIVE ACTIVE	OCTOBER 2017	SYSTEMATIC INTERNALISES. THIS MIC WALL BE USED FOR TRANSACTIONS IN COMMODITY DERIVATIVES EXECUTED AS 91 UNDER MIRTO 2 BEGINNE. SYSTEMATIC INTERNALISES.
	SERMANY DE	CRKE	CEKA	5	COMMERZBANK EQUITY - SYSTEMATIC INTERNALISER		FRANKFURT	WWW.COMMERZBANCCOM	OCTOBER 2017	ACTIVE	OCTOBER 2017	SYSTEMATIC IN TRANSPERS.
Column	GERMANY DE	CREG	CEKA	ŝ	COMMERZBANK FIXED INCOME - SYSTEMATIC INTERNALISER		FRANKFURT	WWW.COMMERZBANK.COM	OCTOBER 2017	ACTIVE	OCTORER 2017	SETEMATIC INTERNALISE.
Company	JERMANY DE GERMANY DE	CDSI	CGMD	S S	CREDIT SUBSE (DEUTSCHLAND) AG - SYSTEMATIC INTERNALISER CITIGROUP GLOBAL MARKETS EUROPE AG - EMEA LIQUIDITY HUB	CSD SI	FRANKFURT	WWW.CREDIT-SUISSE.COM WWW.CITIGROUP.DE	SEPTEMBER 2019 JANUARY 2020	ACTIVE ACTIVE	SEPTEMBER 2019 SEPTEMBER 2018	SYSTEMATIC IN TERMULIER. RECESTED ANABEST FOR EQUITIES.
	SERMANY DE	CGEE	CGMD	5	CITI MATCH DE CONTRA LIQUIDITY		FRANKFURT	WWW.CTISROUP.DE	JANUARY 2020	ACTIVE	SEPTEMBER 2008	CTT MATCH SMEA EQUITIES.
Column	GERMANY DE	CGMD	CGMD	0	CITIGROUP GLOBAL MARKETS EUROPE AG - EMEA TRADING CITIGROUP GLOBAL MARKETS EUROPE AG - SYSTEMATIC INTERNALISER		FRANKFURT	WWW.CTISROUP.DE	JULY 2018	ACTIVE	OCTOBER 2017	RECEITED MANAGET FOR EQUITIES. SYSTEMATI INTERNALISES.
	ZERMANY DE	CSDA	CSDA	0	CREDIT SUSSE ARTIENGESELLSCHAFT	CSD	FRANKFURT	WWW.CREDIT-SUISEE.COM	AUGUST 2009	ACTIVE	AUGUST 2019	MANUFACTOR DESCRIPTION AND ACTUAL TO A STATE OF THE STATE
	GERMANY DE	DBAG	DBAG	ő	DEUTSCHE BANK AG		FRANKFURT	WWW.DB.COM	DECEMBER 2017	ACTIVE	DECEMBER 2017	OFFICIAL MANUFACTURE ROOMS AND
	JERMANY DE GERMANY DE	DBES	DRAG	S 0	DEUTSCHE BANK AG - SYSTEMATIC INTERNALISER DEUTSCHE BANK OFF EXCHANGE TRADING	DEES	FRANKFURT	WWW.DEUTSCHE-BANK.DE	PERRUARY 2017	ACTIVE ACTIVE	AUGUST 2017 FEBRUARY 2010	SYSTEMATIC IN TERMINISE. OUT TOOK BANK OF LICTEONIC OFF EXCHANGE TRACKING PLATFORM.
	JERMANY DE	DEKA	DEXA	0	DEWARANK DEUTSCHE GIROZENTRALE		FRANKFURT AM MAIN	WWW.DEVA.DE	SEPTEMBER 2018	ACTIVE	SEPTEMBER 2018	SYSTEMATIC IN TERNALISER.
	GERMANY DE	DUSA	XDUS	s	BOERSE DUESSELDORF - FREVERKEHR		DUESSELDORF		FEBRUARY 2008	ACTIVE	FEBRUARY 2008	
	SERMANY DE	DUSC	XDUS	5	BOERSE DUESSELDORF - QUOTRIX - REGULIERTER MARKT BOERSE DUESSELDORF - QUOTRIX - REGULIERTER MARKT		DUESSELDORF		AUGUST 2008	ACTIVE	AUGUST 2008	
	SERMANY DE	DZBK	DZBK	0	DZ BANK - SYSTEMATIC INTERNALISER		FRANKFURT	20 JAAGED WWW	OCTOBER 2017	ACTIVE	OCTOBER 2017	SYSTEMATIC INTERNALISER.
	GERMANY DE	ECGS	ECAG	5	EUREX CLEARING AG - SME		FRANKFURT	WWW.EUREXCLEARING.COM/CLEARING-EN/	MARCH 2020	ACTIVE	MARCH 2020	
	ZEMANY DE	ATDS	YEER	S .	BOERSE BERLIN EQUIDUCT TRADING - REGULIERTER MARKT BOERSE BERLIN EQUIDUCT TRADING - REGULIERTER MARKT		BERLIN	WWW.EQUIDUCT-TRADING.DE	MAY 2008 MARCH 2000	ACTIVE	MAY 2008 MARCH 2010	SECTIONS TRAINES SYSTEM. SECTIONS TRAINES SYSTEM.
	SERMANY DE	EQTC	XBER	5	BOERSE BERLIN EQUIDUCT TRADING - FREIVERKEHR		BERLIN	WWW.EQUIDUCT-TRADING.DE	AUGUST 2000	ACTIVE	AUGUST 2010	SLECTRONIC TRADING SYSTEM.
	GERMANY DE	EUWA	EUWA	0	EUWAXAG - SISTEMATIC INTERNALISER		STUTTGART	WWW.EUWAX-AG.DE	FEBRUARY 2018	ACTIVE	FEBRUARY 2018	LELE (MORNE) INSCRING STATISM. ONTENANTI ENERGY STATISM.
	SERMANY DE SERMANY DE	EUWX	XSTU	s 0	DNANCIAL INCOMMETION CONTRIBUTORS ENCHANCE	EUWAX DCONEY	STUTTGART	WAX SUMAX DE WAX SUMA DE WAX S	JUNE 2005 AUGUST 2006	ACTIVE	JUNE 2005	CODE CONTROL C
	SERMANY DE	FRAA	XFRA	s	BOERSE FRANKFURT - REGULIERTER MARKT		FRANKFURT	WWW.DEUTSCHE-BOERSE.COM	MARCH 2008	ACTIVE	MARCH 2008	
	GERMANY DE	FRAS	XFRA	S S	BOERSE FRANKFURT - SCALE		FRANKFURT FRANKFURT	WWW.DEUTSOH-BORRE.COM	MARCH 2008 DECEMBER 2018	ACTIVE ACTIVE	MARCH 2008 DECEMBER 2018	BOOKSE FRANKFURT SME GEOWTH MARKET.
	SERMANY DE GERMANY ~	FRAU	XFRA XFPA	S	BORRSE FRANKFURT - REGULIERTERMARKT - OFF-BOOK BOERSE FRANKFURT - FRENKRIEIR- OFF-BOOK		FRANKFURT	WWW.DEUTSCHE-BOERSE.COM	MARCH 2009 MARCH 2019	ACTIVE ACTIVE	MARCH 2019 MARCH 2019	
	GERMANY DE	FRAW	XFRA	s s	BOERSE FRANKFURT - SCALE - OFF-BOOK		FRANKFURT	WWW.DEUTSCHE-BOERSE.COM	MARCH 2029	ACTIVE	MARCH 2019	
	ARMANY DE	GSBE GSE1	GSBE	0 5	GOLDMAN SACHS BANK EUROPE SE - SYSTEMATIC INTERNALISER		PRANKFURT FRANKFURT	MWX SULMARMAN LOCAL MACHINE MA	DECEMBER 2018 DECEMBER 2018	ACTIVE ACTIVE	DECEMBER 2018 DECEMBER 2018	SYSTEMATIC INTERNALISEE.
	SERMANY DE	HAMA	XHAM	S	BOORSE HAMBURG - REGULIERTER MARKT BOORSE HAMBURG - RECYCLIERTER		HAMBURG		FEBRUARY 2008	ACTIVE	FEBRUARY 2008	
Section	GERMANY DE	HAME	XHAM	5	BOERSE HAMBURG - LANG AND SCHWARZ EXCHANGE		HAMBURG	WWW.BOERSENAG.DE	SEPTEMBER 2016	ACTIVE	APRIL 2016	
	JERMANY DE GERMANY DE	HAMM	MAJOK	S S	BOERSE HAMBURG - LANG AND SCHWARZ EXCHANGE - REGULIERTER MARKT BOERSE HAMBURG - LANG AND SCHWARZ EXCHANGE - FREIVERKEHR		HAMBURG	WWW.BORRENAG.DE	SEPTEMBER 2016 SEPTEMBER 2016	ACTIVE ACTIVE	APRIL 2016 APRIL 2016	
	SERMANY DE	HANA	XHAN	5	BOERSE HANNOVER - REQUIERTER MARKT		HANNOVER		FEBRUARY 2008	ACTIVE	FEBRUARY 2008	
Section	ZERMANY DE GERMANY DE	HANE	HELA	S 0	BOERSE HANNOVER - FREIVERKEHR HELABA - SYSTEMATIC INTERNALISER		FRANKFURT	WWW.HELADA.DE	JULY 2018	ACTIVE	FEBRUARY 2008 JULY 2008	SYSTEMATIC IN TERNALISER
	SERMANY DE	HSET	HSBT	0	HERC TRINIAUS AND BURKHARDT AG - SYSTEMATIC INTERNALISER HIS DEUTSCHE INDUSTRIBANK AG - SYSTEMATIC INTERNALISER		DUESSELDORF	WWW.HRICDE	AUGUST 2017 AUGUST 2018	ACTIVE ACTIVE	AUGUST 2017 AUGUST 2018	SYSTAMIC INTERNALISES. SYSTAMIC RETRANALISES.
	GERMANY DE	HEFE	JEFE	0	EFFERES EUROPE		FRANKFURT	WWW.IEFERIES.COM	NOVEMBER 2008	ACTIVE	NOVEMBER 2018	
Column	GERMANY DE GERMANY DE	JESI JPEU	JEFE	s 0	JP, MORGAN AG - SYSTEMATIC INTERNALISER LP, MORGAN AG - SYSTEMATIC INTERNALISER		FRANKFURT	WWW.IPRORGAN.COM	NOVEMBER 2008 JULY 2018	ACTIVE ACTIVE	NOVEMBER 2018 JULY 2018	OSTEMATIC INTERNALISE. OSTEMATIC INTERNALISE.
Column	SERMANY DE	LBBW	LBSW	0	LIBBW - LANDESBANK BADEN-WUERTTEMBERG		STUTTGART	WWW.198W.00	JUNE 2018	ACTIVE	JUNE 2018	GENERAL MIC FOR LANDISMANURATIONAGEMENTEMBERG (BRING).
Section	GERMANY DE	LEWL	LBSW	5	LIBBW - LANDESBANK BADEN-WUERTTEMBERG - LIQUIDITY PROVIDER	LLRW	STUTTGART	WWW.LISTEN.CE	JUNE 2018	ACTIVE	JUNE 2018	SYSTEMATIC IN INFORMATION. UNDERWORD PROVIDER.
The column	SERMANY DE	LEWS	LBBW	5	LIBBW - LANDESBANK BADEN-WUERTTEMBERG - SYSTEMATIC INTERNALISER	LLBW	STUTTGART	WWW LIGHT OF	JUNE 2018	ACTIVE	JUNE 2018	SYSTAMTIC INTERNALISE.
	GERMANY DE	LSSI	LSSI	0	LANG AND SCHWARZ TRADE CENTER - SYSTEMATIC INTERNALISER		DUESSELDORF	WWW.LS-TC.DE	OCTOBER 2017	ACTIVE	OCTORER 2017	SYSTEMATIC INTERNALISER.
Section	GERMANY DE	MESI	MISEU	S 0	MORGAN STANLEY EUROPE S.E SYSTEMATIC INTERNALISER MIZUHO BANK, LTD. DUESSELDORF BRANCH - SYSTEMATIC INTERNALISER		FRANKFURT DUESSELDORF	WWW.MIZUHO-EMEA.COM	AUGUST 2018	ACTIVE	AUGUST 2018	SYSTEMATIC INTERNALISE. SYSTEMATIC INTERNALISE.
Section	JERMANY DE	MHEU	MHEU	0	MIZUHO SECURITIES EUROPE - SYSTEMATIC INTERNALISER	MHEU	FRANKFURT	WWW.MIZUHO-EMEA.COM	DECEMBER 2018	ACTIVE	DECEMBER 2018	SYSTEMATIC INTERNALISER: LUCENCE APPLIED FOR TO PROVIDE POST-BRENIT INVESTMENT SERVICES TO EU CLIENTS, ANTICIPATED SYSTEMATIC INTERNALISER IN BONDS.
Section Sect	GERMANY DE	MUNA	XMUN	5	BOERSE MUENCHEN - REGULIERTER MARKT	MALO	MUENCHEN	WWW.BOERSE-MUENCHEN.DE	FEBRUARY 2008	ACTIVE	FEBRUARY 2008	
	GERMANY DE GERMANY DE	MUNE	XMUN	S S	BOERSE MUENCHEN - FREIVERKEHR BOERSE MUENCHEN - GETTEX - REGULIERTER MARKT		MUENCHEN MUENCHEN	WWW.BOERSE-MUENCHEN.DE WWW.GETTEX.DE	FEBRUARY 2008 AUGUST 2007	ACTIVE ACTIVE	FEBRUARY 2008 MAY 2014	
	SERMANY DE	MUND	XMUN	s	BOERSE MUENCHEN – GETTEX – FREIVERKEHR		MUENCHEN	WWW.GETTEX.DE	AUGUST 2017	ACTIVE	MAY 2014	
Mathematical Math	GERMANY DE	NCME NESI	NESI	0	SMIC NIKK) CAPITAL MARKETS EUROPE GMBH NOMURA EUROPE - SYSTEMATIC INTERNALISER		FRANKFURT	WWW.NDMURA.COM	JANUARY 2019 JULY 2018	ACTIVE	JANUARY 2019 JULY 2018	SYSTEMATIC INTERNALISES.
	ERMANY DE	NLEX	NUSK	0	NORDOGUTSCHE LANDESBANK - GROZENTRALE - SYSTEMATIC INTERNALISER		HANNOVER	WWW.NORDLE.DE	DECEMBER 2017	ACTIVE	DECEMBER 2017	SYSTEMATIC INTERNALISES
	GERMANY DE	RRCG	RECG	o o	REC CAPITAL MARKETS (EUROPE) GMBH		FRANKFURT	WWW.REC.COM	NOVEMBER 2018	ACTIVE	NOVEMBER 2018	AT A SERVICE OF EACH PARTY.
Math Math <th< td=""><td>JERMANY DE GERMANY DE</td><td>SCAG SMBD</td><td>SCAG SMBD</td><td>0</td><td>STANDARD CHARTERED BANKING - SYSTEMATIC INTERNALISER SUMITOMO MITSUI BANKING CORPORATION - DUESSELDORF BRANCH - SYSTEMATIC INTERNALISER</td><td></td><td>FRANKFURT DUESSELDORF</td><td>WWW.SC.COM/DE WWW.SMRCGROUP.COM</td><td>FEBRUARY 2009 JULY 2018</td><td>ACTIVE</td><td>FEBRUARY 2019 JULY 2018</td><td>SYSTEMATIC IN TERMULIER. SYSTEMATIC INSTRUMENTS.</td></th<>	JERMANY DE GERMANY DE	SCAG SMBD	SCAG SMBD	0	STANDARD CHARTERED BANKING - SYSTEMATIC INTERNALISER SUMITOMO MITSUI BANKING CORPORATION - DUESSELDORF BRANCH - SYSTEMATIC INTERNALISER		FRANKFURT DUESSELDORF	WWW.SC.COM/DE WWW.SMRCGROUP.COM	FEBRUARY 2009 JULY 2018	ACTIVE	FEBRUARY 2019 JULY 2018	SYSTEMATIC IN TERMULIER. SYSTEMATIC INSTRUMENTS.
	SERMANY DE	SMFF	SMEE	0	SMIC BANK EU AG - SYSTEMATIC INTERNALISER		FRANKFURT	WWW.SMBCGROUP.COM/EMEA/	FEBRUARY 2019	ACTIVE	FEBRUARY 2019	SYSTEMATIC IN TERMALISER.
Math Math <th< td=""><td>GERMANY DE</td><td>SPEX SSBI</td><td>SSEE</td><td>0</td><td>SPECTRUM MARKETS STATE STREET BANK INTERNATIONAL GMBH</td><td>SSBI</td><td>FRANKFURT MUNICH</td><td>WWW.SPECTRUM-MARKETS.COM WWW.STATESTREET.COM</td><td>DECEMBER 2019</td><td>ACTIVE</td><td>MARCH 2019 NOVEMBER 2017</td><td>REGULATION MULTILATERAL TRADING FACILITY FOR TURBO WARRANT TRACING.</td></th<>	GERMANY DE	SPEX SSBI	SSEE	0	SPECTRUM MARKETS STATE STREET BANK INTERNATIONAL GMBH	SSBI	FRANKFURT MUNICH	WWW.SPECTRUM-MARKETS.COM WWW.STATESTREET.COM	DECEMBER 2019	ACTIVE	MARCH 2019 NOVEMBER 2017	REGULATION MULTILATERAL TRADING FACILITY FOR TURBO WARRANT TRACING.
Mary	SERMANY DE	MIRRO	SSBI	5	STATE STREET BANK INTERNATIONAL RX - SYSTEMATIC INTERNALISER	5581	MUNICH	WWW.STATESTREET.COM	DECEMBER 2017	ACTIVE	NOVEMBER 2017	STATE STREET FORDIGE RECHANGE SYSTEMATIC INTERNALISER.
Column	GERMANY DE	STUA	XSTU	S	BOERSE STUTTGART - REGULIERTER MARKT		STUTTGART	WWW.BOERSE-STUTTGART.DE	FEBRUARY 2008	ACTIVE	FEBRUARY 2008	
Memory	JERMANY DE GERMANY DE	STUB	XSTU	S S	BOERSE STUTTGART - FREIVERKEHR BOERSE STUTTGART - REGULIERTER MARKT - TECHNICAL PLATFORM 2		STUTTGART	WWW.BOERSE-STUTTGART.DE	FEBRUARY 2008 FEBRUARY 2017	ACTIVE ACTIVE	FEBRUARY 2008 FEBRUARY 2017	FOR REPORTING PURPOSE.
	SERMANY DE	STUD	XSTU	5	BOERSE STUTTGART - FREIVERKEHR - TECHNICAL PLATFORM 2		STUTTGART	WWW.BOERSE-STUTTGART.DE	FEBRUARY 2017	ACTIVE	FEBRUARY 2017	FOR REPORTING PURPOSE.
Control	GERMANY DE	TGS	TGAT	5	TRADEGATE EXCHANGE - SYSTEMATIC INTERNALISER	TGAG	BERLIN	WWW.TRADEGATE-AG.DE	NOVEMBER 2017	ACTIVE	NOVEMBER 2017	SYSTEMATIC INTERNALISER.
Control	CERMANY DE	UBSI	1129	s o	UBS EUROPE SE - SYSTEMATIC INTERNALISER		FRANKFURT	WWW.UBS.COM	MARCH 2009 MARCH 2009	ACTIVE	DECEMBER 2015	USE DURCHE SE SYSTEMATIC WITERWALEER. USE DURCHE OF TRANSING IN STORMA
Section	SERMANY DE	UCDE	UCDE	0	UNICREDIT BANKAG - SYSTEMATIC INTERNALISER		MUNICH	WWW.HYPOVERDINSDANK.DE	NOVEMBER 2017	ACTIVE	NOVEMBER 2017	SYSTEMATIC IN TERMALISER.
Section Sect	GERMANY DE	VILS	VWDX	5	BANK VONTOBEL EUROPE AG - SYSTEMATIC INTERNALISER TRADELINE		FRANKFURT	WWW.TRANSACTIONS.OLUTIONS.DE	DECEMBER 2017	ACTIVE	DECEMBER 2017	SYSTEMATIC INTERNALISES. OVER-THE-CONTREP (DTC) TRACING PLATFORM FOR STRUCTURED PRODUCTS, EQUITIES AND BONDS.
	SERMANY DE	VTPS	VWDX	5	TRADERUS		FRANKFURT	WWW.TRANSACTIONSOLUTIONS.DE	DECEMBER 2017	ACTIVE	DECEMBER 2017	ORIGINASIO TRADINIS PALCILITY (OITT) FOR STRUCTURED PRODUCTS AND BONGS, LINK IN IANUARY 2018.
Section	GERMANY DE	VWDX	VWDK	0	VWD TRANSACTIONSOLUTIONS AG		FRANKFURT	WWW.TRANSACTIONSOLUTIONS.DE	DECEMBER 2017	ACTIVE	SEPTEMBER 2017	
Simple Simple<	ZERMANY DE GERMANY DE	XXXX	XSTU	5	BOERSE BERLIN BOERSE STUTTGART - DIGITAL EXCHANGE		STUTTGART	WWW.BOERSE-BERLIN.DE WWW.BOERSE-STUTTIGART.DE	SEPTEMBER 2007 SEPTEMBER 2019	ACTIVE	SEPTEMBER 2007 SEPTEMBER 2009	
	SERMANY DE	XDUS	XDUS	0	SORRES DUESSELDORF		DUESSELDORF	WWW.ROERSE-DUESSELDORF.DE	SEPTEMBER 2007	ACTIVE	SEPTEMBER 2007	700 000 00 00 00 00 00 00 00 00 00 00 00
Section Sect	SERMANY DE	MECC	XECC	0	EUROPEAN COMMODITY CLEARING AG	800	LEIPZIG	WWW.ECC.DE	MAY 2002	ACTIVE	MAY 2012	
	JERMANY DE GERMANY DE	yeen	322X	0 5	EUROPEAN ENERGY EXCHANGE EUROPEAN ENERGY EXCHANGE - NON-MIT MARKET	EEX EEX	LEIPZIG LEIPZIG	WWW.EECOM	SEPTEMBER 2015 NOVEMBER 2015	ACTIVE ACTIVE	JUNE 2005 SEPTEMBER 2015	NOW MIT MARKET
Part	JERMANY DE	XEER	333X	- 5	EUROPEAN ENERGY EXCHANGE - REGULATED MARKET	EEX	LEIPZIG	WWW.EK.COM	NOVEMBER 2005	ACTIVE	SEPTEMBER 2015	REGULATED MARKET
Simulation Image: Property of the control	GERMANY DE	DHIX TDIX	XECP	S S	BOERSE BERLIN EQUIDUCT TRADING		BERLIN	WWW.EQUIDUCT-TRADING.DE	MAY 2008	ACTIVE	APRIL 2018 MAY 2008	ENTIRE AND A STATE
Second	JERMANY DE GERMANY DE	XERE YEST	XEUP	S .	EUREX REPO - FUNDING AND FINANCING PRODUCTS EUREX REPO - TRIPARTY		FRANKFURT FRANKFURT	WWW.SURSIREPO.COM	NOVEMBER 2006 NOVEMBER 2014	ACTIVE	APRIL 2014 DECEMBER 2015	EURIX REPO LICETRONIC TRADING RATFORM FOR FUNDAME AND FRANKONE PRODUCTS. EURIX REPO LICETRONIC TRADING SOMENT FOR TRADING THE FIRE TO THE FOREIGN FOR THE FIRE THE FI
Second S	SERMANY DE	XETA	XETR	s	NETRA - REGULIERTER MARKT	XETRA	FRANKFURT	WWW.DEUTSCHE-BOERSE.COM	NOVEMBER 2006	ACTIVE	MARCH 2008	
Series Berlin Be	GERMANY DE	XETB XETR	MATR METR	0	NETRA	ALTRA XETRA	FRANKFURT	WWW.DEUTSCHE-BOERSE.COM	NOVEMBER 2016 NOVEMBER 2016	ACTIVE	JUNE 2005	
1	SERMANY DE GERMANY	XETS Version	XETR	5	NETRA - SCALE NETRA - REGULIERTERMARKT - OFF-BOOK		FRANKFURT FRANKFURT	WWW.DEUTSCHE-BORRE.COM	DECEMBER 2018 MARCH 2019	ACTIVE ACTIVE	DECEMBER 2018 MARCH 2019	NITRA SMC GROWTH MARRIT.
Second	GERMANY DE	XETV	XETR	s	NETRA - FRENERIEMO- OFF BOOK		FRANKFURT	WWW.DEUTSCHE-BOERSE.COM	MARCH 2009	ACTIVE	MARCH 2019	
Second S	ARMANY DE	XETW	XETR	S S	SUREX REPO SECLEND MARKET		FRANKFURT FRANKFURT	WWW.EURENEEPO.COM	MARCH 2009 NOVEMBER 2006	ACTIVE ACTIVE	MARCH 2019 JANUARY 2012	ET IS NOW OPERATED FROM FRAMSPIRT (GERMANY)
Control	SERMANY DE	XEUP	XEUP	0	EUREN DEPO GARRA G		FRANKFURT	WWW.EURENREPO.COM	NOVEMBER 2006	ACTIVE	NOVEMBER 2005	
March Marc	GERMANY DE	XEA	XFRA	ő	DEUTSCHE BOERSE AG		FRANKFURT	WWW.DEUTSCHE-BOERSE.COM	JUNE 2005	ACTIVE	JUNE 2005	
	ARMANY DE	XGAT XGRM	TGAT	S S	TRADEGATE EXCHANGE - REQUIERTER MARKT	IGAG TGAG	MERCIN BERLIN	WWW.TRADEGATE-46.06	NOVEMBER 2017 NOVEMBER 2017	ACTIVE ACTIVE	MAY 2010 MAY 2010	TRADECATE EXCHANCE IS AN OFFICIAL RECULATED STOCK EXCHANGE IN REFLIN/CERMANY FOR SHARES, BONDS, ETFS AND FONDS.
	JERMANY DE CERMANY	XHAM	XHAM	0	MANSEATISCHE WERTPAPIERBOERSE HAMBURG MICROPLACCIONSCUE BOORGE 71 MANNOYER		HAMBURG	WWW.BOERSENAG.DE	JUNE 2005	ACTIVE	JUNE 2005	
Second S	SERMANY DE	XNV	XINV	0	INVESTRO		FRANKFURT	WWW.INVESTRO.DE	OCTOBER 2008	ACTIVE	OCTORER 2008	SETTLEMENT PLATFORM FOR CSQ AND MON CSQ PUNDS.
Second S	JERMANY DE GERMANY DE	XMUN XPDT	XMUN	5	BOERSE MUENCHEN EUROPEAN ENERGY EXCHANGE - OTF GAS MARKET		MUENCHEN LEIPZIG	WWW.EEK.COM	SEPTEMBER 2007 DECEMBER 2019	ACTIVE ACTIVE	SEPTEMBER 2007 MARCH 2016	OTF SEGMENT OF THE EXX GAS MARKETS.
	JERMANY DE	xess	322K	5	EUROPEAN ENERGY EXCHANGE - REGULATED GAS MARKET		LEPZG	WWW.EEX.COM	DECEMBER 2019	ACTIVE	SEPTEMBER 2005	REGULATED MARKET SEGMENT FOR SPOT AND FUTURES GAS MARKETS OF EEX
Marcian Marc	GERMANY DE	XLIX XSC1	X500	5	BOERSE FRANKFURT WARRANTS TECHNICAL 1		FRANKFURT	WWW.ZERTIFIKATEROEDES.DE	DECEMBER 2013	ACTIVE	MAY 2010	AMARIT FOR STRUCTURED MODICES - COUNTRY SEGMENT 1.
Second S	JERMANY DE GERMANY DE	X9C2 yers	XSCO	S S	BOERSE FRANKFURT WARRANTS TECHNICAL 2 BOERSE FRANKFURT WARRANTS TECHNICAL 3		FRANKFURT FRANKFURT	WWW.ZERTIFIKATEBOERSE.DE	DECEMBER 2013 DECEMBER 2013	ACTIVE ACTIVE	MAY 2010 MAY 2010	MARKET FOR STRUCTURED PRODUCTS - COUNTRY SECRET 12. MARKET FOR STRUCTURED PRODUCTS - COUNTRY SECRET 12. MARKET FOR STRUCTURED PRODUCTS - COUNTRY SECRET 12.
Second S	SERMANY DE	XSCO	XSCO	0	BOERSE FRANKFURT WARRANTS TECHNICAL		FRANKFURT	WWW.ZERTIFIKATEROERSE.DE	DECEMBER 2013	ACTIVE	AUGUST 2012	70 MANUAL ALANY
Second S	GERMANY DE	XSTU	XSTU	0	BORSE STUTTGART		STUTTGART	WWW.BOERSE-STUTTGART.DE	SEPTEMBER 2007	ACTIVE	SEPTEMBER 2007	FUR BAPARITIES FORMULE.
Second Column	JERMANY DE GERMANY	NSC prov	XXXC	0	FRANKFURT CEF SC 2006X	ZOREX	FRANKFURT BERLIN	WWW.DEUTSCHE-BORRE.COM WWW.BORRSE-BERUN.DE	OCTOBER 2011 JUNE 2005	ACTIVE ACTIVE	OCTOBER 2011 JUNE 2015	XISC WILL COMPRISE THE INTORNATION FOR "TRAN" AND "TRAN", QUOTE AND TRACE INFORMATION IS DISTRIBUTED VIA-CEF (CONSCILIDATED DISCHARGE FEED), THEREFORE THE SHORT HAME "FRANKFIRT CEF SC" REFERS TO CEF AND SC TO SCENACIA.
Second S	SHANA GH	XGHA	XGHA	ő	QUANA STOCK EXCHANGE		ACCRA	WWW.GSE.COM.GH	JUNE 2005	ACTIVE	JUNE 2005	
Second Control	JEMALIAR GI GREECE GR	GDN. AAPA	GSXL AAPA	0	THE GERMALIAN STUDE ENCHANGE ATHENS EXCHANGE - APA	ATHEX APA	ATHENS	WWW.ATHEXGROUP.GR	JULY 2015 NOVEMBER 2017	ACTIVE ACTIVE	AULY 2015 NOVEMBER 2017	16V MEDICANIO SOMERA 16VI TELEMENE, ELEMENTE,
March Marc	JREECE GR	ABFI	ABRI	0	ALPHA BANK - SYSTEMATIC INTERNALISER		ATHENS	WWW.ADNA.GR	JULY 2019	ACTIVE	JULY 2009	SYSTEMATIC IN TERMALISER FOR NON EQUITIES.
Second Control Contr	GREECE GR	ASEX	AGEX AGEX	S S	ATHENS EXCHANGE ACTIONATIVE MARKET	DNAX	ATHENS	WWW.ATHEKGROUP.GR	NOVEMBER 2006	ACTIVE	NOVEMBER 2007	
Second S	ARECE GR	ERRX	EREX HD4T	0	EUROBANK - SYSTEMATIC INTERNALISER ELECTRONIC SECONDARY SECURITIES MARKET HIDATI		ATHENS ATHENS	WWW.EMWOPORECE.CR	JUNE 2019 JUNE 2005	ACTIVE	JUNE 2019 JUNE 2015	SYSTEMATIC INTERNALISES FOR BOMS (SSUID BY THE HELLENC REPUBLIC.
Second Control Contr	SREECE GR	HEDE	OM2H	5	HENEX FINANCIAL ENERGY MARKET - DERIVATIVES MARKET	HENEX	ATHENS	WWW.ININGROUP.CR	FEBRUARY 2020	ACTIVE	FEBRUARY 2020	
GREET Gree	AREECE GR	HEMO	OM2H	9	HENEX S.A. HENEX ENERGY SPOT MARKET	HENEX	ATHENS ATHENS	WWW.INDERCOP.GR	FEBRUARY 2020	ACTIVE ACTIVE	APRIL 2015 FEBRUARY 2020	MILLINIC ENERGY EXCHANGE
Control Cont	SREECE GR	HOTC	ASEX	s o	HELLENIC DICHANGE OTC MARKET DOGSEN DAMY, OVCEMBET INTERNALISES		ATHENS	WWW.ATHENGROUP.GR	NOVEMBER 2016	ACTIVE	AUGUST 2008	THE MILLIANS DICHARKET IS THE OVER-THE-COUNTER ELECTRONIC TRADING MARKET FOR ATHENS ENCHANGE. SYSTEMAL THERMALINES OR DISINITARIALISTICS OF DISINITARIALISTICS OF DISINITARIALISTICS.
GRICE GRIC		, NADE	ASEX	5	ATHENS EXCHANGE S.A. DERIVATIVES MARKET	ATHEXD	ATHENS	WWW.ATHENGROUP.GR	NOVEMBER 2006	ACTIVE	NOVEMBER 2007	SASSIBILITY INTERPRENEUR THE RESTRUCT
Controlled Con	ARECE GR	XATH	ASEX	S	ATHENS EXCHANGE S.A. CASH MARKET HELEX ELECTRONIC BOOK BUILDING	ATHENC ERR	ATHENS ATHENS	WWW.ASLEGR	NOVEMBER 2006 JUNE 2014	ACTIVE	NOVEMBER 2007 JUNE 2014	SIB IS A PRIMARY MARKET IND MARKETTI.
GAMBRIG C. G	GUATEMALA GT	xs/0 xgrg	XGTG		BOLSA DE VALORES NACIONAL SA		GUATEMALA	WWW.BVNSA.COM.GT	JUNE 2005	ACTIVE	JUNE 2005	
WINDOWS No.	JUERNSEY, C.I. GG GUYANA GY	XOE GSC1	SSCI	0	THE INTERNATIONAL STOCK EXCHANGE THE GUYANA ASSOCIATION OF SECURITIES COMPANIES AND INTERNACIONALES INC.		ST. PETER PORT GEORGETOWN	WWW.TISEGROUP.COM WWW.GASCI.COM	MAY 2017 DECEMBER 2010	ACTIVE ACTIVE	JUNE 2005 DECEMBER 2010	REGULATION AMBRET. THIS COMPANY THE LOCAL STOCK EICHONINGS THAT ORIGINATES AND SUPERVISES THE STOCK MARKET IN GUTHANA.
	HONDURAS HN	XECV	XBCV	0	BOLSA CENTROAMERICANA DE VALORES S.A. BANKY CE AMERICA MERGILI I VINCUL COLITO MARA - EVITONALI RRICO PORTO	BCV	TEGUCIGALPA MONG MONG	WWW.BCCHN	JUNE 2005	ACTIVE	JUNE 2005	
HONG KONG ME BAG DANG O BANG O	HIE HONG KONG HIE	BAIP	2AIP	9	BANK OF AMERICA MERRILL LYNCH EQUITY SWAP - INTERNAL PRICE SOURCE		HONG KONG	WWW.BOFAML.COM	AUGUST 2008	ACTIVE	AUGUST 2018	
HONG DISC SHEET COME S COCCOMMEND AND CONTROL OF SHEET COMMEND AND CONTROL	HONG KONG HK	BASE	BASE CSW	0 0	BANK OF AMERICA MERRILL LYNCH - SWAP EXECUTIONS CROSSPINGER HONG KONG	MLFE	HONG KONG HONG KONG	WWW.BOFANLCOM WWW.CREDIT-SUSSE.COM/HUEN/INVESTMENT-BANKING/CLIENT-OFFERING/AFC/PORTERINGE WITH	JUNE 2018 OCTOBER 2015	ACTIVE	DANUARY 2018 OCTORES 2015	SOUTHER ALTERNATIVE LIQUIDITY POOL HONG KING
100 CBMC	HONG KONG HK	CGMH	CGMH	ő	CITI MATCH - HK		HONG KONG	WWW.CTTGROUP.COM	OCTOBER 2017	ACTIVE	MARCH 2012	

ONG KONG HW	COUNTRY CODE (SO 2166) MIC OPERATION	G MIC 0/S	NAME-INSTITUTION DESCRIPTION CLSA HONG KONG - DARK	ACRONYM	HONG KONG	TWO TALL SOLD TO THE	STATUS DATE	ACTIVE	JULY 2005	E COMMENTS COMMENTS
16 - 16 - 16 - 16 - 16 - 16 - 16 - 16 -	CLHE CLHE CSHE CSHE DBHE CBHE EDTC GOTC GSAL GSAL	0	CLAHIONG KONG-DARK ORKET SIGNAS SECONDESS PRIORI GEORG LIMITED CULTURGIS BARN HORIE FORGE ATS FOR COCKNOWN SACIOL SPECIAL SECONDESS PRIORITED CUCCHANN SACIOL SPECIAL SECONDESS PRIORITED COCKNOWN SACIOL SPECIAL SPECIAL SECONDESS PRIORITED COCKNOWN SACIOL SPECIAL SPECIAL SECONDESS PRIORITED COCKNOWN SACIOL SPECIAL		HONG KONG HONG KONG HONG KONG	WWW.CREDIT-SUISSE.COM	SEPTEMBER 2015	ACTIVE	SEPTEMBER 2015	Desirency. AUSTREES BESIDES SEALES IN HORSE STONE AUTHREES HER BESIDES SEALES IN HORSE SEALE SHARED SEALET PRODUCTS. AUTHREES HER BESIDES SEALES IN HORSE SEALET SEALES SEALET PRODUCTS. AUTHREES HER BESIDES SEALET SEALED SEALET SEALES SEALET PRODUCTS. AUTHREES HER BESIDES SEALET SEALED SEALET SEALES SEALET SEALES SEALET SEALE
KONG HK	DBHK DBHK	0	DEUTSCHE BANK HONG KONG ATS		HONG KONG	WWW.DB.COM/HDNGKDNG/	SEPTEMBER 2010 EEDDILADY 2010	ACTIVE	SEPTEMBER 2010 SERRIJARY 2010	ALTERNATIVE TRADING STREM FOR TRADING ASAN EXCHANGE TRADED DOLDT'S PRODUCTS. INTEREST CARE THE TEXT REPORT AND PROTECTION FOR THAT AND SELECT THE PRODUCTS. INTEREST CARE THE LITTER REPORT OF REPORT THAT AND SELECT THAT A
DNG HK	GSAL GSAL	0	GOLDMAN SACHS (ASIA) LLC		HONG KONG HONG KONG	WWW.GOLDMANSACHS.COM	DECEMBER 2017	ACTIVE	DECEMBER 2017	
DNG HK	GD0H GSAL HSSA HSSA IPMI IPMI	0	IGEC X HONG KONG		HONG KONG HONG KONG HONG KONG	WWW.4SEC.COM.HK	DECEMBER 2017 OCTOBER 2010	ACTIVE	OCTOBER 2016	COLMANN SACES INTERNAL CROSSING FACULTY. TRADING PLATFORM NINKO IS SPECIFICALLY TRADING ASA MODIC CHAP EQUITES WITH THE FOCUS OF HOME KIDNE CASH EQUITIES.
ONG HK	JPMI JPMI	0	CALCADORA (ALMONOMENTAL CALCAD	PMI	HONG KONG	WWW.IPMDRGAN.COM WWW.MACQUARE.COM	JULY 2016	ACTIVE	JULY 2006	MCCUAR AND DO AND DOC
DNG HK	March	S	STOCK EXCHANGE OF HONG KONG LIMITED - SHANGHAI - HONG KONG STOCK CONNECT	SEHE	HOME KING	WWW.HEELCOM.HE	AUGUST 2014	ACTIVE	AUGUST 2014	MACQUARIE DARE POCE (PICINE (DING) MARILAND INVESTORS TRUGINES IN SECURITIES UNDER ENANGIA-HONG EDING STOCK CONNECT
DNG HK	SIGH GSAL	5	SIGNA X HONG KONG	SEHE SEHE	HONG KONG	WWW.HEEX.COM.HE WWW.HEEX.COM.HE	DECEMBER 2017	ACTIVE	MARCH 2012	MAINLAND INVESTORS TRACING IN SEINS SECURITIES UNDER SHEAZHEN HONG KONG STOCK CONNECT.
DNG HK	TESD TESD	0		SARE	HONG KONG	WWW.TRACHON.COM WWW.TORA.COM WWW.TORA.COM	FEBRUARY 2018	ACTIVE	FEBRUARY 2018	MARICAND INVESTIGES I RACING IN SURVEY SHERVING HERVING HERVE STOCK CONNECT.
NG HK	TOCP TOCP	0	TORA CROSSPONT TRADITION ARA IMITED TRADITION ARA I		HONG KONG	WWW.TORA.COM	APRIL 2011	ACTIVE	APRIL 2011	NK REGISTRED ATS FOR EQUITIES.
NG HK	TWH TWH	0	TRACEWER EUROPE LIMITED - HONG KONG		HONG KONG		OCTOBER 2017	ACTIVE	OCTOBER 2017	
DNG HK	ussx ussx	0	UBSCROSS CROSS COURSE PROMISE COORTY		HOME DONG BUNDHG BUNDHG BUNDHG BUNDHG BUNDHGST BUNDHGST BUNDHGST BUNDHGST BUNDHGST BUNDHGST BUNDHGST BUNDHGST	SWM THEORY COST WATER COST W	MARCH 2012	ACTIVE	MARCH 2012	HIC, LAPARI AND AUSTRALIA
DNG HK	XGEM MHG	s	HONG KONG GROWTH ENTERPRISES MARKET	HK GEM HKFE HKEX	HONG KONG	WWW.HKGEM.COM	JUNE 2005	ACTIVE	JUNE 2005	
ONG HK	3065 3065	0	HONG KONG PUTURES ENCHANGE LTD.	1875	HONG KONG	WWW.HEDLCOM.HE	JUNE 2005	ACTIVE	JUNE 2005	NOME COING EXCHANGES AND CLEARING LIMITED, OR HEX, OPERATES A SECURITIES MARKET AND A DEPVATIVES MARKET IN HONG KOING AND THE CLEARING HOUSES FOR THOSE MARKETS.
ONG HK	XHK XHK	0	INSTINET PACIFIC LTD		HONG KONG	WWW.INSTINIT.COM	FEBRUARY 2009	ACTIVE	FEBRUARY 2009	PROVIDE EXECUTIONS AND LEADINGS LIST LEAD, UP TOOLS, UP EXPLICIT AN ALLOWING SHOULD AND ALLOWING SHOULD IN TRUSH MORNING TOOL TOOLS AND ALLOWING SHOULD AND ALLOWING S
ONG HK	XPST XPST	0	POST - ASIA PACIFIC BETA MARKET		HONG KONG	WWW.TG.COM	MARCH 2011 OCTORER 2019	ACTIVE	MARCH 2011	CQUITY CROSSING INTRODEX. I BININGHIES DOIL MINETE ATTOM TRANSIC CAPILITY
RY HU	CIEH CIEH	0	CIB BANK - SYSTEMATIC INTERNALISER		BUDAPEST	WWW.CIE.HU	DECEMBER 2018	ACTIVE	DECEMBER 2018	SYSTEMATIC INTERNALISER FOR HUNGRAUM CANT BONDS.
TY HU	CONC CONC	0	CONCORDE SECURITIES LTD SYSTEMATIC INTERNALISER ERSTE BANK HUNGARY ZRT SYSTEMATIC INTERNALISER		BUDAPEST BUDAPEST	WWW.CON.HU WWW.ERSTEBANK.HU	MARCH 2019 APRIL 2019	ACTIVE	MARCH 2019 APRIL 2019	SYSTMANIC INTERNALISER. SYSTMANIC INTERNALISER.
RY HU	ERST ERST	0	ERSTE BEFERTETES 2RT - SYSTEMATIC INTERNALISER		BUDAPEST	WWW.ERSTERROKER.HU	AUGUST 2018	ACTIVE	AUGUST 2018	EQUIT CORRESS STREAM. AUCHIGER IN CONTROL STREAM, MATA-LITER IN MONE EXCELT STREAM, CHEMICALE STREAM, MATA-LITER IN MATA-LITER IN MONE EXCELLENCE STREAM, CHEMICALE STREAM, MATA-LITER IN MATA
ry HU	HUDX HUDY	0	HUNGARIAN DERNATIVE ENERGY EXCHANGE MINICADIAN DYWED ENTHANCE	HUDEX HUPX	BUDAPEST	WWW.HUDEK.HU	JULY 2017 4091 2009	ACTIVE	JULY 2017 42911 2009	REGULATED MARKET FOR ELECTRICITY.
IY HU	KCCP HCCP	0	MELER CCP		BUDAPEST	WWW.NELERISZE.HU	SEPTEMBER 2013	ACTIVE	SEPTEMBER 2013	CENTRAL COUNTERPARTY OF THE BUDAPEST STOCK EXCHANGE, MTS HUNGARY PLATFORM, CENTRAL EASTERN EUROPEAN GAS EXCHANGE.
IY HU	KELR KELR	0	KELER KAND H BANKZRT - SYSTEMATIC INTERNALISER		BUDAPEST	WWW.NELER HU	DECEMBER 2017 JANUARY 2019	ACTIVE	JANUARY 2019	CONTRACT CONTRACT SOCIETY CONTRACT CONT
HU HU	OTPE OTPE	0	OTP BANK NYRT - SYSTEMATIC INTERNALISER	RBHU-SI	BUDAPEST	WWW.OTPBANK.HU	SEPTEMBER 2018	ACTIVE	SEPTEMBER 2008	SYSTEMATIC INTERNALISER.
HU	UCHU UCHU	0	RAIFFEISEN BANK (HUNGARY) - SYSTEMATIC INTERNALISER UNICREDIT BANK HUNGARY ZRT SYSTEMATIC INTERNALISER	RBHU-SI	BUDAPEST	WWW.RAFFEISEN.HU WWW.UNICREDITEANK.HU	SEPTEMBER 2018 APRIL 2019	ACTIVE	APRIL 2019	SYSTEMATIC INTERNALISER. SYSTEMATIC INTERNALISER.
HU HU	XBND XBUD	s	BUDAPEST STOCK EXCHANGE - XBOND		BUDAPEST	WWW.BET.HU	JULY 2019	ACTIVE	MAY 2019	SYSTEMATIC INTERNALISE. COCCACTED MARKET FOR BONDS.
HU	XSUD XSUD XGAS XGAS	0	GENTRAL EASTERN EUROPEAN GAS ENCHANGE LTD		BUDAPEST	WWW.GEGELCOM	JUNE 2005 MAY 2013	ACTIVE	MAY 2013	CESGES IS A ORGANISED NATURAL GAS MARKET PROVIDING SERVICES FOR THE GAS MARKET PLANES WITHIN THE EUROPEAN ECONOMIC AREA ISEAU.
Y HU	XTND MBUD	5	XTEND	XTND ICEX	BUDAPEST	WWW.BET.HU	OCTOBER 2017	ACTIVE	OCTOBER 2017	BUDNESS STOCK DICHARGE MILK TILATERAL TRADRING FACILITY (MTF)
IS IS	DICE NCE	5	DEST MORTH ICT AND A MORDICIPAND	ICEX	REYKLAMK	WWW.NASDAGOMINORDIC.COM	DECEMBER 2015 NOVEMBER 2015	ACTIVE	NOVEMBER 2015	NORMC (MND DAKK POOL FOR KEE
IS IS	FNS NCE	5	RRST NORTH ICELAND		REYKLAVIK	WWW.NASDAQOMINORDIC.COM	NOVEMBER 2005	ACTIVE	NOVEMBER 2015	CESSE A SEGUENCIA PUTALA, DES ANDRET PROPRIES ENTENCISSO DE GENERALE PARES METILA DE SAUDERA ECONAME AND. PERA BOUNTET DOCS CORDINATA MENTANES, ROSSO CENTRE CONTROLLA PERA PERA PERA PERA PERA PERA PERA PER
IS IS	MICE NICE MINS NICE	S S	NASDAQ ICELAND HF. – AUCTION ON DEMAND RRST NORTH ICELAND – AUCTION ON DEMAND		REYKLAVIK REYKLAVIK	WWW.NASDAQOMINORDIC.COM	JUNE 2016 JUNE 2016	ACTIVE	JUNE 2016 JUNE 2016	
is	March Marc	0	SWORTH AND ANALOGO STATE OF THE	ICEX	BOUNDEST BOU	TWO METERS TO J. WHO WITH THE METERS TO J. WHO	DECEMBER 2015	ACTIVE	MAY 2010	CONTRACTOR
IN IN	ACEX ACEX ASTR CDS.	0 5	ALL UNKYMITYNS & COMMODITY DICHANGE LTD CLEARCORP DEALING SYSTEMS INDIA UNITED – ASTROID	ASTROLD	MUMBA	WWW.COLINDIA.COM	APRIL 2011 OCTOBER 2015	ACTIVE	APRIL 2011 OCTOBER 2014	DIRECTION FINES SERVINOUS AND FINE CLUMBERS HIS THE SERVIN FINES AND ADMINISTRATION OF THE SERVIN FINES AND ADMINISTRATION OF REPORT OF THE SERVIN FINES AND ADMINISTRATION OF REPORT OF THE SERVIN FINES AND ADMINISTRATION OF THE SERVIN FINES AND ADMINIS
IN	BSME XBOM	s	ESS SME	QSE SME	MUMBA	WWW.BEESNE.COM	DECEMBER 2011	ACTIVE	DECEMBER 2011	SES SHE FLATOON.
IN IN	FIEL CDSL	S	CLEARCORP DEALING SYSTEMS INDIA LIMITED – FX-CLEAR	ASTROLD RSE SME CLEARCORP FRICIR RISSHIP	MUMBA	WWW.CCLINDIA.COM	OCTOBER 2016	ACTIVE	OCTOBER 2016	SYCLERY, A FOREX CORLING SYSTEM, OFFERS 60011 GROER MATCHING AND INSCOTIATION MODES FOR DEALING COVERS INTER-BANK LUSI-INR 9/01 AND DWWF TRANSACTIONS AND TRANSACTIONS IN MAJOR CROSS CURRENCES.
IN IN	FISW CDS.	s	CLEARCORP DEALING SYSTEMS INDIA LIMITED – FX-SWAP INDIAN COMMODITY CYCHANGE LTD	FISWAP	MUMBA	WWW CCLINDIA COM WWW CCUNDIA COM WWW INDIA COM WWW INDIA COM	OCTORER 2016	ACTIVE ACTIVE	OCTOBER 2016	SCHIMP, A FORCE SHIP OF SELECT STEEL, OFFISE, AN ORDER MATCHING STEEL FOR ORDER SHIPS, THE P EAST SOM OFFISE SHIPP INSTRUMENTS EXTENDED UP TO 12 MONTHS. MINING COMMOND TO PURMACE! THE A STEEL AND SHIP OF A STEEL AND SHIP OR STEEL AND SHIP OFFISE SHIPP INSTRUMENTS.
IN IN	IDX IDX	0	INDIAN COMMODITY EXCHANGE LTD. INDIA INTERNATIONAL EXCHANGE (FSC) LIMITED	INDIA INX	GIFT CITY, GANDHINAGAR	WWW.INDIANKCOM	MARCH 2018	ACTIVE	DECEMBER 2017	INDUST REST INTERVATIONAL EXCHANGE.
IN IN	INSE XNSE	s O	NSE IFSC LIMITED NATER-CONNECTED STOCK ENCHANGE OF INDIAL TO	INDIA INX NSE IFSC ISE	GANDHINAGAR	WWW.NSEFSC.COM	JUNE 2018 SEPTEMBER 7007	ACTIVE	JUNE 2018 SEPTEMBED 3003	INDUST REST WITERS AND DECIMANCE. REALT OWNERS DESIGNANCE COMMAND OF RATIONAL STOCK EXCHANGE OF WICH ALIMITED (MSG.)
IN IN	MOX MOX	0	MCX STOCK EXCHANGE LTD	-	MUMBA	WWW.MCH-SK.COM	NOVEMBER 2010	ACTIVE	NOVEMBER 2010	MICK STOCK DIXHANGE (MICK-SQ), INDIA'S NEW STOCK DIXHANGE, WAS LAUNCHED ON OCTOBER 7, 2008, UNDER THE REGULATORY FRAMEWORK OF SECURITIES 8, EXCHANGE SQUARD OF INDIA (SES).
IN IN	NEOT NEOT	0	NATIONAL BOARD OF TRADE LIMITED NATIONAL MULTI-COMMODITY SYCHARICS OF INDIA		INDORE MADHYA PRADESH	WWW.NBOTIND.ORG	JANUARY 2009	ACTIVE	JANUARY 2009 NOVEMBER 2007	COMMODITY FUTURES DICHMA (22
IN IN	MCAC MCAC	0	Minis internations, (Conselled (MS) (WHITE) MASSINGS CONNECT BY C	OTCEI	AGADITACIONE MINISTAN MI	WWW.WESTANCOM	JUNE 2006	ACTIVE	JUNE 2006	
IN IN	PRIL PRIL	0	POWER EXCHANGE INDIALTO. BANGALORE STOCK ENCHANCE LTD.		MUMBAI	WWW POWEREXNOW, COM	JULY 2009 HIME 2005	ACTIVE	JULY 2009	ELECTRONIC NATION-WIDE DICHWING FOR TRADING OF ELECTRICITY
IN IN	XSOM XSOM	0	85E LTD	MSE	MUMBA	WWW.BSDNDIA.COM	SEPTEMBER 2011	ACTIVE	SEPTEMBER 2011	
IN IN	XCAL XCAL VINES VINES	0	DELIG STOCK ENDIANCE		CALCUTTA	WWW.CSE-INDIA.COM	JUNE 2005	ACTIVE	JUNE 2005	
154	XIMC XIMC	0	MULTI COMMODITY DICHANGE OF INDIA LTD.	MCK	MUMBA	WWW.MCNNDA.COM	APRIL 2006	ACTIVE	APRIL 2006	
IN IN	XMDS XMDS	0	MADRIAS STOCK DICHANGE NATIONAL COMMODITY & DEBINATIVES DICHANGE LTD	NCDEY	MADRAS	WWW.NCDEX.COM	JUNE 2005 4001 2006	ACTIVE	JUNE 2005 4291 2006	
IN IN	XNSE XNSE	0	NATIONAL STOCK EXCHANGE OF INDIA	NCDEX NGE	MUMBA	WWW MSGNICACOM WWW LSSNICACOM WWW LSSNICACOM WWW MSCNICACOM WWW MSCNICACOM	JUNE 2005	ACTIVE	JUNE 2005	
IN IN	NUSE NUSE	0	UNITED STOCK EXCHANGE INCONSESS COMMOSTY AND DESPVATIVES EXCHANGE JAMATA FUTURES EXCHANGE BURSA RESANGEA JAKARTA)		MUMBA	WWW.USDNDIA.COM	OCTOBER 2010 CEDDI 142Y 2010	ACTIVE	OCTOBER 2010	SEGIFIED TOCK EXCHANGE WITH SECURITIES AND DECIMANGE SHARE OF ARRAD AND OTFERBRIC CURRENCY GENEVATIVES. COMMANDOTT DESCRIPTION, COMMON EXCHANGE AND AND CONCENTRATE AND
A ID	XBB1 XBB1	0	JAKARTA FUTURES EXCHANGE (BURSA BERJANGKA JAKARTA)	DX DX	JAKARTA	WWW.BBJ-FKCOM WWW.IDKCO.ID	JUNE 2005	ACTIVE	JUNE 2005	THE JAMPETA (JOD) AND SUP-BARKKE (SEX) STOCK ENDINNESS HAVE MERGED TO BECOME THE INDONESSA STOCK ENDINNESS (FIDE).
l 10	XIDX XIDX XINB XINB	0	JAMENTE NO LI CINES SIL SIL MANUEL DI PICCA DE REPARTEM PARAMETA,		JAKARTA JAKARTA		APRIL 2008 JUNE 2005	ACTIVE	APRIL 2008 JUNE 2005	THE IMMATA (ISS) AND SURBBANA (SSS) STOCK EXCHANGES HAVE MERCED TO BECOME THE INDONESIA STOCK EXCHANGE (ISS).
IR IR	IFEX IFEX	0	IRAN FARA BOURSE	FB	TEHRAN	WWW.IFB.IR WWW.IME.CO.IR	MARCH 2009	ACTIVE	MARCH 2019	COMMODITIES DICHARGE.
IR IR	IMEX IMEX	0	TENDAN STOCK SYCHANGE	TSE	TEHRAN	WWW.IME.CO.IR	AUGUST 2011 NOVEMBER 2017	ACTIVE	AUGUST 2011 NOVEMBER 2007	COMMODITIES DICHANGE.
IQ	XIQS XIQS	0	RAQ STOCK EXCHANGE	15x	BAGHDAD	WWW.ISK-IQ.NET	OCTOBER 2011	ACTIVE	OCTOBER 2011	MARKET FOR ITS (DICHANGE TRADED RECEIVABLES) ORDER DECUTION.
IE IE	AREX AREX	0	AREX - AUTOMATED RECEIVABLES EXCHANGE BARCLAYS BANK RELAND PLC	AREX BBI	DUBLIN	WWW.BARCLAYS.IE	MAY 2006 JULY 2018	ACTIVE	MAY 2016	MARKET FOR ETR (DICHWALES) ORDER EXECUTION.
1E	pais and	5	BARCLAYS BANK IRELAND PLC - SYSTEMATIC INTERNALISER	991 SI	DUBLIN	WWW.BARCLAYSIE	JULY 2018	ACTIVE	JULY 2008	OSTEMATIC IN TERMALISER. ARGISTERO DILETTRONIC MARKET FOR REPO.
10 18 10 18 18 18 18 18	SMLI SMLI	0	BANK OF AMERICA MERRILL LYNCH INTERNATIONAL BANK DESIGNATED ACTIVITY COMPANY	GBI GBI SI GNYMEL GAMLI DAC GAMLI DAC	DUBLIN	WWW.EGFAML.COM/EMEA	NOVEMBER 2019	ACTIVE	NOVEMBER 2019	RELEST DRED LELL FREIDRE MARKET FOR REDGE.
ii.	BMLS BMLI	5	BANK OF AMERICA MERRILL LYNCH INTERNATIONAL BANK DESIGNATED ACTIVITY COMPANY - SYSTEMATIC INTERNALISER	BAMLI DAC	DUBLIN	WAR ALL ALL ALL ALL ALL ALL ALL ALL ALL A	NOVEMBER 2019	ACTIVE	NOVEMBER 2019	OSTEMATIC IN TERMALISER. OSTEMATIC IN TERMALISER.
IE IE	CEPL CEPL	0	CITIBANK BUROPE PLC - SYSTEMATIC INTERNALISER CANTOR CITICORNI O 1951 AND 11MITED.		DUBLIN	WWW.CITIGROUP.COM/CITI/	MARCH 2009 NOVEMBER 2019	ACTIVE	PERRUARY 2018 NOVEMBER 2019	SYSTEMATIC INTERNALISER.
IE .	CSGI CSGI	0	CITADEL SECURITIES FI - EUROPE - SYSTEMATIC INTERNALISER		DUBLIN	WWW.CITADELSECURITIES.COM	JANUARY 2019	ACTIVE	JANUARY 2019	SYSTEMATIC INTERNALISER.
16	DAVY DAVY	0	J AND E DAIY - IRISH GOVERNMENT BOND - SYSTEMATIC INTERNALISER EQUILEND LIMITED		DUBLIN	WWW.EDULEND.COM	AUGUST 2018 NOVEMBER 2018	ACTIVE	NOVEMBER 2018	SOSTANCE OR TRANSMER AND
IE .	EUCC EUCC	0	CITADEL CONNECT EUROPE - EU - SYSTEMATIC INTERNALISER		DUBLIN	WWW.CITADELSECURITIES.COM	JANUARY 2019	ACTIVE	JANUARY 2019	SYSTEMATIC IN TERNALISER.
IE IE	FIRQ RMTF	s	RNANCIAL AND RISK TRANSACTIONS SERVICES IRELAND LIMITED - FIALL RPQ MTF		DUBLIN	WWW.RERINITIV.COM	DECEMBER 2018	ACTIVE	DECEMBER 2018	FORM REQUEST FOR QUOTE (SEQ) MULTILATERAL TRADING FACILITY (MITS).
IE IF	USSI SUCI	0	HRTEU LIMITED - SYSTEMATIC INTERNALISER	CHARLET	DUBLIN	WWW.HUDSON-TRADING.COM	DECEMBER 2018	ACTIVE	DECEMBER 2018	SYSTEMATIC INTERNALISER.
ie ie	ICUR ICUR	s	CURRENEX RELAND MTF - RFQ	CNX MTF CNX MTF SEXC MTS SEXC MTS SEXC MTF SEXC MTF SEXC MTF	DUBLIN	WWW.CURRENEOMIT.COM/OUR-OFFERING	OCTORER 2018	ACTIVE	OCTORER 2018	MICELATION TOWNS TOWN TO THE TOWN TO THE TOWN TOWN TOWN TOWN TOWN TOWN TOWN TOWN
IE IE	IFKA IFKC	5	RX CONNECT IRELAND MTF - ALLOCATIONS	IFXC MTF	DUBLIN	WWW.FXCONNECTMTF.COM/OUR-SERVICES	OCTOBER 2018	ACTIVE	OCTOBER 2018	MILITERATORAL TRAINING FACILITY CON IX.
IE	IRR IRC	5	FX CONNECT IRELAND MTF - RFQ	IFAC MTF	DUBLIN	WWW.FXCONVECTMTF.COM/OUR-SERVICES	OCTOBER 2018	ACTIVE	OCTOBER 2018	MILITERAT TRADING FACILITY FOR IX.
IE IE	ITGL ITGL	0	POST MES HOHIDMET SHAIMTED SOUTY MES	POSIT	DUBLIN	WWW.VIRTU.COM	OCTOBER 2019	ACTIVE	OCTOBER 2017	COUNTY MILITERATORAL TRACANG
IE IE	LEUF LEUE	s	LIQUIDNET EU LIMITED FIXED INCOME MITF		DUBLIN	WWW.LIQUIONET.COM	JULY 2018	ACTIVE	JULY 2008	SEGUIT BROADS FORWARD AND AND AND AND AND AND AND AND AND AN
IE IE	MCD MCD	0	MACQUARIC CAPITAL (RELAND) MARRY SPECTRON ELECTRON CLIENTED - OTE	MSEL OTF	DUBLIN	WWW.MACQUARE.COM/UK	DECEMBED 2019	ACTIVE	DECEMBER 2019	BEOSTERS MARKET FOR EQUITIES. PAGE-MINET PRIMITIES CRUTTE FOR PROMAPORTY PERFORMANCE SAND TRANSPORT ALL FORWARDS FOR PRIMITINGS. PAGE-MINET PRIMITIES CRUTTE FOR PROMAPORTY PERFORMANCE SAND TRANSPORT ALL FORWARDS FOR PRIMITINGS.
IE .	PARTS RANTS	0	REFINITIVANTE		DUBLIN	WWW.REPINITY.COM	NOVEMBER 2018	ACTIVE	NOVEMBER 2018	COST MAIL ATRIBUS TRUME. RESPIRACIÓN CONTRATA TRUMES RESPIRACIÓN CONTRAT
IE IE	SEMIX SEMIX SISI SISI	0	SEMOPX SUSQUIDIANNA INTERNATIONAL SECURITIES LIMITED - SYSTEMATIC INTERNALISER	99	DUBLIN	WWW.SEM-O.COM HTTPS://SIG.COM/	DECEMBER 2017 JUNE 2018	ACTIVE	DECEMBER 2017 JUNE 2018	SISTEMATIC INTERNALISER.
IE .	TOGS TOGS	0	TO SECURITIES		DUBLIN	WWW.TD.COM	MARCH 2009	ACTIVE	MARCH 2019	
IE IE	VFIL VFIL	0	VIRTU RINANCIAL IRELAND LIMITED. VIRTU DINANCIAL IRELAND LIMITED. SYSTEMATIC INTERNALISER	VRL VIETLI S	DUBLIN	WWW.VIRTU.COM	JULY 2017	ACTIVE	JULY 2017	VISTO FRANCIAL IDEA AND LIMITED EXCETERANCE, PLATFORMS. VISTO FRANCIAL IDEA AND LIMITED VISTORATION FOR THE TOTAL IDEA AND LIMITED IN LIMITED VISTORATION FOR THE TOTAL IDEA AND LIMITED IN LIMITED VISTORATION FOR THE TOTAL IDEA AND LIMITED VISTORATION FOR THE VISTORATION FO
IE IE	Will,	š	JAMES AND COLORS AND C	VRIL VIRTU SI VIRTU OTC ISE ASM	DUBLIN	HI THE COMMAND AND AND AND AND AND AND AND AND AND	JULY 2017	ACTIVE	JULY 2007	WHIT THACK, ARE AREA SHATE DISCRINGE A PURIOR. WHIT THACK, AREA SHATE DISCRINGE A CITAL AREA SHATE
IE IE	XATL XDUB XCDE XCDE	S 0	BATTER FINANCIAL SERVICES		DUBLIN	WWW.DAUTER-FX.COM	JULY 2017 MAY 2008	ACTIVE	MAY 2008	ANIANTI. MALURITIA MARRIAL (MAN), THE ANIA DE AUTOMENTAL HE HE CENTRAL BANCO FELAND. AS AMTE AND IS REQULATED BY THE BIRSH STOCK EXCHANGE PLC. ELECTRONIC FEROMER PLATFORM FOR CURRENT PLUT MESTERS FOR AN OLD CORRENT FLAT
is	XDUB XDUB	0	RIGH STOCK EXCHANGE - ALL MARKET	ISE EBI	DUBLIN	WWW EELE WARDS AND WARD WARD WARD WARD WARD WARD WARD WAR	NOVEMBER 2007	ACTIVE	NOVEMBER 2007	SECTION TRANSPORTS OF STREET AND
IE IE	XESI XESI XESM XDUB	5	EURONEXT GROWTH DUBLIN		DUBLIN	WWW.TSE.IE	OCTOBER 2015 JANUARY 2019	ACTIVE	JANUARY 2013	ELLL HUMBEL HOUMER AND BRITAINS HUM DIT, MAT HOME GAS PHYSICAL SPOT TRANSACTIONS.
IE	XEYE XDUB	S	RIGH STOCK EXCHANGE - GLOBAL EXCHANGE MARKET	ISE GEM	DUBLIN	WWW.ISE.IE	JULY 2017	ACTIVE	MARCH 2012	
IE IE	XMAC ITGL	5	POST AUCTION	AUCTIONS	DUBLIN	WWW.ITG.COM	OCTOBER 2017	ACTIVE	OCTOBER 2017	
IE	XPOS ITGL	S	POST DARK BOST BED	DARK	DUBLIN	WWW.ITG.COM	OCTORER 2017	ACTIVE	JULY 2007	SEQUEST-FOR-QUOTE (SEQ) MARKET.
IL	XAE XAE	9	TEL ANY STOCK DICHANGE	TASE	TEL AVIV	WWW.TASE.CO.IL	JUNE 2005	ACTIVE	JUNE 2005	
IT IT	AOS AKS ATEV VARI	0	AKES - BANCA AKROS - SYSTEMATIC INTERNALISER ATTUND MTF	AUCTIONS DARK RFQ FASE ARG ATFUND	MILANO	WWW.BORSWTALIANA.IT	FEBRUARY 2018 JULY 2018	ACTIVE	FEBRUARY 2018 JULY 2018	BANCA WIGOS SYSTEMAN ICH TERRALISER. MAIL TRANSPAR TERRALISER TO FOR IND FUNDS.
ii ii	BEIS BEIS	ő	BANCA ETICA - SISTEMATIC INTERNALISER		PADOVA	WWW.BANCATTICA.IT	JUNE 2018	ACTIVE	JUNE 2018	SYSTEMATIC IN TREMALISER.
iT iT	BNLD BNLD BREA GDEA	0	BANCA REALE - SYSTEMATIC INTERNALISER		TORINO	WWW.BANCAREALE.IT	FEBRUARY 2019 JANUARY 2019	ACTIVE	OCTORER 2019	351 MANUEL IN HERMANDE. STEEDING THE REPORT OF THE STEEDING THE STEEDI
ır	OGCM CGIT	s	CASSA DI COMPENSAZIONE E GARANZIA SPA - COLLATERALIZED MONEY MARKET GUARANTEE SERVICE	NEWMIC	ROMA	www.cccit	JUNE 2013	ACTIVE	JUNE 2013	COLLATERALIZED MONEY MARKET GLARANTEE SERVICE
IT IT	CGDB CGIT	S	CASSA DI COMPENSAZIONE E GARANZIA SPA - BONDS CCP SERVICE CASSA DI COMPENSAZIONE E GARANZIA SPA - EURO BONDS CCP SERVICE	NEWWIC CCGBONDS CCGEUROBONDS	ROMA ROMA	WWW.CG/IT	JUNE 2013 JUNE 2013	ACTIVE	JUNE 2013 JUNE 2013	CCY STRANCE FOR EQUIPMENT ENDING, CORPORATE ENDING MOD SERVIS CCY STRANCE FOR EQUIPMENT ENDING LOUD CORPORATE ENDING CCY STRANCE FOR EACH ENDINC CCY STRANCE FOR EACH ENDING CCY STRANCE FOR EACH ENDING CCY
ii ii	OGGD CGIT	ŝ	CASSA DI COMPENSAZIONE E GARANZIA SPA - CCP AGRICULTURAL COMMODITY DERIVATIVES	CCGAGNIDER CCBG CCGENERGEDER CCGCQUITYDER CCGCQUITY CCGTREPARTY CREDOM SI DOT	ROMA	www.ccg.iT	JUNE 2013	ACTIVE	JUNE 2013	CCF SERVICE ON AGRICULTURAL COMMODITIES DERIVATIVES
IT IT	CGGD CGIT CGIT CGIT CGND CGIT	0 5	CASSA DI COMPENSAZIONE E GARANZIA SPA. CASSA DI COMPENSAZIONE E GARANZIA SPACCP ENERGY DERIVATIVES	CCBG	ROMA ROMA	WWW.CG/IT	JUNE 2013 JUNE 2013	ACTIVE	JUNE 2013 JUNE 2013	CENTRAL COUNTERPARTY ACROSS MULTIPLE TRADRIG VENUES COVERING A WIDE PRAGE OF ASSET CLASSES CES SERVICE ON INSERT DESIRATINES. TO SERVICE ON INSERT DESIRATINES.
ir.	OSQD CSIT	S	CASSA DI COMPENSADONE E GARANZIA SPA - COP EQUITY DERIVATIVES	ccaequitypes	ROMA	WWW.CG,IT	JUNE 2013	ACTIVE	JUNE 2013	CCP SERVICE ON EQUITY DERIVATIVES
if if	OGUT COUT	S	CASSA DI COMPENSAZIONE E GARANZIA SPA - EQUITY CEP SERVICE CASSA DI COMPENSAZIONE E GARANZIA SPA - TRIPARTY REPO CEP SERVICE	CCGEQUITY	ROMA ROMA	WWW.CCG/IT	JUNE 2013 JUNE 2013	ACTIVE	JUNE 2013 JUNE 2013	CEP SERVICE FOR EQUILITIES AND COMPARABLE PRODUCTS SUCH WARRANTS, CONVERTIBLE BORDS, CLOSED-END FUNCS, INVESTMENT COMPANIES, REAL ESTATE INVESTMENT COMPANIES, ETT AND ETC CEP SERVICE FOR EXPRANT REFOR
ır	CREM CREM	0	CREDEM BANCA - SYSTEMATIC INTERNALISER	CREDEM SI	REGGIO EMILIA	WWW.CREDEM.IT	DECEMBER 2018	ACTIVE	DECEMBER 2018	SYSTEMATIC INTERNALISER FOR BONDS.
IT IT	DOTX DOTX	0 5	DEAL DONE TRADING - SYSTEMATIC INTERNALISER ESM: MITF	DOT	RRENZE ROMA	WWW.MTSWARKTS.COM	JANUARY 2018 JANUARY 2019	ACTIVE	JANUARY 2018 JANUARY 2019	SYSTEMATIC INTERNALISE. MALE MALE TRADMING SECULITY.
ir ir	EMDR EMD	s	E-MIO - E-MIOER MARKET		MILANO	TLOM-1.WWW	JUNE 2008	ACTIVE	JUNE 2008	MARKET FOR THE TRADING OF MULTI-CURRENCY DERIVATIVE RIMANCIAL INSTRUMENTS
IT IT	EMIR EMIR EMIR EMIR	s O	E-MID - BANCA DYTALIA SHARES TRADING MARKET E-MID -		MILANO MILANO	TLOM-1.WWW	OCTOBER 2016 MAY 2010	ACTIVE	OCTOBER 2016 MAY 2010	MANKET FOR THE MATICIANAL CENTRUE BANKE (BANKE) AND HEAVILY) SHARES. MANKET FOR THE MATICIANAL CENTRUE BANKE (BANKE) ON HEAVILY) SHARES.
ir	EMIR EMID	s	E-MID REPO		MILANO	WWW.E-MDJT	NOVEMBER 2011	ACTIVE	NOVEMBER 2011	MEAN, MASS CREATE TERROR CENTER TO AN ACTUAL TO AN ACTUAL TO AN ACTUAL TO AC
if if	ETFP MALL ETFY ETFY	S O	ELECTRONIC ETF, ETC/ETN AND OPEN-END FUNDS MARKET EUROTUS	ETFPLUS	MILANO	WOWERS AS A STATE OF THE PROPERTY OF THE PROPE	JUNE 2017 AUGUST 2017	ACTIVE	SEPTEMBER 2007 AUGUST 2007	
ır	FRSI FRS	0	RNECO BANK - SYSTEMATIC INTERNALISER	FRSI	MILANO	WWW.FINECOBANK.COM	AUGUST 2017	ACTIVE	AUGUST 2017	SYSTEMATIC INTERNALISER. MILE TILLATERAL TEACHING FACILITY ORDER DONE EQUITIES AND RONDS
if if	HMOD HMTF	5	H-MTF ORDER DRIVEN		MILANO	WWW.HIMTF.COM	JULY 2008	ACTIVE ACTIVE	JULY 2008	MILETELATERAL TRACING FACILITY ORDER DRIVEN FOR COUNTS AND BOMOS
ir ir	HRFQ HAVE	S	H-MTF RFQ		MILANO	WWW.HIMTF.COM	JULY 2016	ACTIVE	JULY 2006	MITE FOR BONDS BASED ON REQ INSCRIMINATION MODEL
ir.	IBEQ IBIS	s	INVEST BANCA - INIS EQUITY - SYSTEMATIC INTERNALISER		PLORENCE	WWW.INVESTBANCALIT	MARCH 2008	ACTIVE	MARCH 2018	SYSTEMATIC IN TERMUSER. SYSTEMATIC IN TERMUSER. SYSTEMATIC IN TERMUSER. SYSTEMATIC IN TERMUSER.
IT IT	IBIS IBIS	0	INVISI BANCA - SESTEMATIC INTERNALISER IMMH - BANCA IMI - SESTEMATIC INTERNALISER		ROBENCE ROBENCE MILAN AGTI	WWW AWSTRANCA.IT WWW AWSTRANCA.IT WWW AWSTRANCA.IT WWW ANGEROAC.COM WWW ANGEROAC.COM	FEBRUARY 2018 MAY 2018	ACTIVE	FEBRUARY 2018 MAY 2018	NATIONAL IN HENNALIDE. SYSTEMATI ENERALISE.
ır	ISBA ISBA	0	BANCA DI AGTI - SYSTEMATIC INTERNALISER		AGTI	WWW.BANCADASTLIT	JULY 2018	ACTIVE	JULY 2008	Systematic internaliser
IT IT	ISBV ISBV MCAD MTSD	0 S	MYSICASH DOMESTIC - MTE		MELLA ROMA	WWW.MTSMARKETS.COM	JULY 2018 JANUARY 2019	ACTIVE	JANUARY 2009	SYSTEMATIC INTERNALISE. MILITALITIES TACHING FACILITY.
if	MVX XML	S	MARKET FOR INVESTMENT VEHICLES	MIV	MILAN	WWW.BORSATALIANA.IT	MAY 2017	ACTIVE	JUNE 2009	THE MAY, COLORIDO TO INSUSTMENT VEHICLES, IS DONDED INTO THESE SEGMENTS: UNITS OF CLOSED AND FUNDS SEGMENT, INVESTMENT COMPANIES SEGMENT, REAL ESTATE INVESTMENT COMPANIES SEGMENT (BRICS FROM THE DIPAND MARKET).
IT.	MOTX XML MEAN XMI	S	ELECTRONIC BOND MARKET ELECTRONIC SHARE MARKET	MITA	MILANO MILAN	WWW.BORSWTALIANA.IT	SEPTEMBER 2007 MAY 2007	ACTIVE	SEPTEMBER 2007 SEPTEMBER 3007	
	MTAH XML	ŝ	BORSA ITALIANA EQUITY MTF	MIV MOT MTA BITEQMES MESITALY	MILAN	WWW BORGATALIANA.IT	JULY 2016	ACTIVE	JULY 2006	SINCE 11.7.36, BEEM OFFEES FRACTING IN REGULAR MARKET HOURS FOR INTERNATIONAL SHARES ("BET GEM" SEGMENT, FROM BAM TO 5-ADPAINMENT TIME) AND "AFTER HOUR" TRACKING FOR ITALIAN AND INTL. SHARES ("THI" SEGMENT, FROM GRAN TO 8-20PM MELAN TIME).
ir.	MISC MISO	s o	MTSTALIA MTSS.P.A.		ROMA ROMA	WWW.MTSMARKETS.COM	APRIL 2017 ARRI 2017	ACTIVE	NOVEMBER 2005 APRIL 2017	LIGAL ENTITY OPERATING ALL BELATED MARKET SEGMENT MICS.
IT IT		0	MURG BANK, LTD MILANO BRANCH - SYSTEMATIC INTERNALISER	MURM SI SEDEX	MILAN	WWW.BK.MUFG.IP	JULY 2018	ACTIVE	JULY 2008	SYSTEMATIC INTERNALISER.
11 12 12	MUEM MUEM				MILANO	WWW.BORSATALIANA.IT		ACTIVE	SEPTEMBER 2007	MULTILATERAL TRACING FACILITY.
11 11 11 11 11	MUSM MUSM SEDX XMIL CONS METCY	5	SECURITISED DERIVATIVES MARKET BONOVISION EUROPE MTF	SEDEX	ROMA	WWW.MTSMARKETS.COM	DECEMBED 3017	ACTIVE		
17 17 17 17 17 17	MUSAM MUSAM SEDX XMIL SSOS MTSO USEM USEM	S S O	SECURITIED DERIVATIVES MARKET BONDWISION EUROPE MTS UII BANCA-SYSTEMATIC INTERNALISER	UBI	ROMA BERGAMO	WWW.MTSMARKETS.COM WWW.UBIRANCA.IT	DECEMBER 2017 JULY 2018	ACTIVE	JULY 2008	CONFOUNT EXPLICE DISTRICT, EXPENDANTIONAL, SOVERSION AND AGENCY (SSA) SYSTEMATIN INSTRUMENTS ASSESSED ASSESSED ASSESSED AND AGENCY (SSA)
17 17 17 18 18 18 18 18	Color Colo	S S O	EARTH THOUGH STREET, S	URI URIS	SELLA SECULA MULAN MULANO	WARRE AREA CARDITOT WARRE AREA CARDITOT WARRE AREA CARDITOTAL WARRE CARDITOTAL WARRE CARDITOTAL WARRE CARDITOTAL WARRE CARDITOTAL WA	MATERIAL PROPERTY MATE	ACTIVE ACTIVE ACTIVE	MAY 2010 JULY 2018 NOVEMBER 2017	LOS TON PROPERTY, ALL MANTENBERT RECENT MAN. PORTIONNES OR RECENT. MAN. MARTER RECENT DESCRIPTION OF THE PROPERTY OF THE PRO

ITALY IT	ISO COUNTRY COOE (ISO 2164) MIC XDMI	OPERATING MIC XML	See The Control of Con	IDEM IPEN/IGME	MILAN ROMA MILANO MILANO MILANO MILANO MILANO MILANO TOKIO TOKIO	THE SECTION OF THE SE	MAY 2007	ACTIVE ACTIVE	JUNE 2005	COMMENTS (TALINE FORCE DICHANGE
ITALY IT	XGME	XML	D GESTORE MERCATO ELETTRICO - ITALIAN POWER EXCHANGE D BORSAITALIANA S.P.A.	PENGME	ROMA MILANO	WWW.BORSATALIANA.IT	SEPTEMBER 2012	ACTIVE ACTIVE	DECEMBER 2007	ITALIAN POWER EXCHANGE
ITALY IT INDRY COAST CI	TOWK	XML	EXTRAMOT BOURSE REGIONALE DES VALEURS MOBILIERES	BRVM	MILANO ABIDIAN	WWW.BRIMLDRG	JULY 2009 JUNE 2005	ACTIVE ACTIVE	JULY 2009 JUNE 2005	MTT OF BONDS MANAGOD AND ORGANISCE BY BORNA ITELANIA
JAMAJCA JM JAPAN JP	XIAM BAID	XIAM BAID	D JAMAICA STOCK EKCHANGE D BANK OF AMERICA MERRILL LYNCH – JAPAN INSTINCT X		TOKIO	WWW.JAMSTOCKEX.COM WWW.BORANL.COM	JUNE 2005 JULY 2019	ACTIVE ACTIVE	JUNE 2005 JULY 2009	
JAPAN JP	BASX	BASK BETP	BANK OF AMERICA MERRILL LYNCH - SIMPLEX GLAST X BLOOMBERG TRADEBOOK JAPAN LIMITED		TOKNO CHIYODA-KU	WWW.JAPAN.MLCOM/JAPAN_OVERVIEW/ML/S_OVERVIEW.ASP WWW.SLOOMSERGTRACESOCK.COM	MAY 2008 JULY 2015	ACTIVE ACTIVE	MAY 2018 JULY 2005	ONEP DOL. BLOOMERST ITP
JAPAN JP	CRP	CZIP	CROSSINGER JAPAN O CHI X JAPAN		TOKYO	WAR AGENCY COMPANY CONTROL OF THE CO	OCTOBER 2015 FEBRUARY 2010	ACTIVE ACTIVE	OCTOBER 2015 FEBRUARY 2010	DERRORDS COMMENTS OF THE PROPERTY OF THE PROP
JAPAN JP	CHS	CHU	OH X JAPAN SELECT OH X JAPAN WAP CROSSING	OH-SELECT	TOKYO	WW.OHX.P	APRIL 2015 AUGUST 2014	ACTIVE ACTIVE	APRIL 2015 AUGUST 2014	RECISTED MARKET FOR COUNTES ORDER MATCHANG SENIOL AT 1994 CERRICO PROCE LEVELS
JAPAN IP	OTO	CITX	CTI DARK		TOKNO	WWW.CITVELOCITY.COM WWW.CITVELOCITY.COM	MARCH 2013 OCTORER 2017	ACTIVE	MAY 2011	ONE POS. (TRANSTULES CRORNISTAR TRAINIS CYCTEM IN TANK
JAPAN IP	CLIP	CLIP	CISALIPAN - DARK	CM ETP	TOKYO	WWW.CLSA.COM	JULY 2015	ACTIVE	JULY 2005	CITATION PROPERTIES TEACHER STREET, THE STREET STREET, THE STREET,
JAPAN IP	CSP	CSIP	CLEAR MARRETS JAPAN, INC. CENTER SAFEE CQUIRIES (JAPAN) LIMITED DEWAL DEEDT DEWAL DEEDT DEWAL DEEDT	CHILIP	TOKIO	WWW.CREDIT-SUISE.COM	SEPTEMBER 2015	ACTIVE	SEPTEMBER 2005	CLICA (INSPIRAT SERVICE) (CLICA INSPIRATOR I
JAPAN IP	KAIX	CHI	INVESTIGATION CONTRACTOR CONTRACT	LXQP	TOKNO	WWW.DHX.P	APRIL 2016	ACTIVE	APRIL 2016	ONWAY LICENTED STALL CHEMIC CHEMICAL CH
JAPAN JP	MAQI	MAQI	MACQUARIE INTERNAL MARKETS (JAPAN)	LIGF	TOKNO	WWW.MACQUARE.COM	APRIL 2015	ACTIVE	MARCH 2015	ALL INVALIDATION INCOMENSATION OF UNBANICULUS IN INVALIDATION. AND
JAPAN JP	MEX MEMS	MIZX MISMS	MIZUHO INTERNAL CROSSING MORGAN STANLEY MURG SECURITIES CO., LTD	MIX	TOKYO	WWW.MIZIHO-SC.COM WWW.MORGANSTANLEYMUFG.COM	APRIL 2014 JULY 2015	ACTIVE ACTIVE	APRIL 2014 JULY 2005	MODING DARK MORPH STANLY'S SECURITIES JOINT VENTURE WITH MITSURGH UIS INNANCIAL GROUP IN JAPAN.
JAPAN IP	NMRI NMSX	NMRI NMRI	NOMURA SECURITIES CO LTD NOMURA - EXTERNAL CROSSING PLATFORM	NSC	TOKNO	WWW.NOMURA.COM	FEBRUARY 2014 JULY 2019	ACTIVE ACTIVE	JULY 2009	NOUNDALADAN EQUIT TRANSME EXTERNAL CORRORM EATTONIA FOR MONURA.
JAPAN IP	NACE NACE	NMRI NMRI	NX SELECT JAPAN	NOCE NOCE	TOKNO	WWW.NOMURA.COM	FEBRUARY 2014 JULY 2015	ACTIVE ACTIVE	JULY 2005	WITSHAL CROSSING FAITOMATON NONUISA. WITSHAL CROSSING FAITOMATON NONUISA. WITSHAL CROSSING FAITOMATON NONUISA.
JAPAN IP	NXVW SBU	NMRI SBU	NEVWAP SELJAPANNEST-I-MARKET	NOVWAP	TOKYO	WWW.NOMURA.COM WWW.JAPANNEXT.CO.JP	OCTOBER 2014 JUNE 2012	ACTIVE ACTIVE	OCTOBER 2014 APRIL 2008	INTERNAL VIWAP CROSSING PLATFORM FOR NOMURA
JAPAN JP	SBIU	SBU	SII JAPANNEXT - U - MARKET SII JAPANNEXT - VAVAP CROSSING		TOKNO	WWW.JAPANIEST.CO.JP	JANUARY 2015 JULY 2013	ACTIVE ACTIVE	JANUARY 2015 JULY 2013	JAMANET, GAUGHU IFAG MANT. AND SOCIETA CONTROL OF THE STATE OF THE ST
JAPAN JP	SIGI TWIP	SGI TWIP	D SGMA KIAPAN D TRADEWES IAPAN KK-PTS		TOKNO	WWW.GET.GE.COM WWW.TRADCWEE.COM	FEBRUARY 2012 AUGUST 2018	ACTIVE ACTIVE	FEBRUARY 2012 OCTOBER 2017	ALTERNATIVE TRACERIC STRIME RESPONSATION BY GOLDMAN SACHIS PROPRIETARY FLARING STRIME.
JAPAN JP	TWIT	TWIP	TRADEWER JAPAN KK ETP		TOKNO	WWW.TRADDWER.COM	AUGUST 2018 CERROLARY 2018	ACTIVE	OCTOBER 2017 EEERI IARY 2018	
JAPAN JP	XRKA VMS	XEXA	RUNUONA STOCK ENCHANGE TOWN STOCK ENCHANGE INCOME	M2DAD	FUKUOKA TOKKO	WWW.FSC.OR.IP	JUNE 2005	ACTIVE	JUNE 2005 OCTOBER 2010	MIRRIER OF OSE AND TE
JAPAN JP	XPX	XIPX	JAPAN DICHANGE GROUP	JASDAQ JPX COE NSE	TOKNO	WWW.IPKCO.IP	MARCH 2013	ACTIVE	JANUARY 2013	STUTUS EXCHANGE, REPROJUCISET KNOWN AS THE EARCH COMMODITIES SHCHANGE.
JAPAN IP	XNGO	XNGO	NAGOYASTOCK EXCHANGE	NSE	NAGOYA	WWW.NSE.OR.IP	JUNE 2005	ACTIVE	JUNE 2005	POTOMAL BELOWING. PRESIDENT OF THE SOCIAL CONTROL CONT
JAPAN IP	XXXX XXXX	XIPX	DAMA DEPARATE LINET	C-COM OSE J-NET	OSARA OSARA	WWW.PKCO.IP	MAY 2006	ACTIVE	JUNE 2005	
JAPAN IP	XSAP	XSAP	SUPPORT SECURITIES SECHANGE SUPPORT SECURITIES SECHANGE SUPPORT SECURITIES SECHANGE	PARI	SAPPORO TOURO	WWW.SS.OR.P	MAY 2005 JUNE 2005	ACTIVE	JANUARY 2006 JUNE 2005	
JAPAN JP	XTAM	XIPX	TORYO STOCK EXCHANGE-TORYO PRO MARKET	TFX	TOKIO	WWW.IFX.CO.IF	JUNE 2012 MAY 2006	ACTIVE	MARCH 2009	REGISTRED MARKET FOR EQUITIES IN MANN.
JAPAN IP	XTEL	X / FF X IPX	TORYO STOCK EXCHANGE - TOSTNET-1	TEX	TOKNO	WWW.IPK.CO.IP	SEPTEMBER 2007 MAY 2006	ACTIVE ACTIVE	SEPTEMBER 2007 JANUARY 2006	
JAPAN IP	XTH2 XTH3	XIPX XIPX	TOWO STOCK EXCHANGE - TOSTNET-2 TOWO STOCK EXCHANGE - TOSTNET-3		TOKNO	WWW.PK.CO.IP	MAY 2006 MAY 2006	ACTIVE ACTIVE	JANUARY 2006 JULY 2001	TORYO STOCK ENHANCE'S TOSTNET-3 MARRET IS AN OIST-AUCTION MARRET DESIGNED FOR HISDER'S SHARE BUYBACK.
JAPAN IP	XTES XTET	XDFX XTXT	TORYO STOCK EXCHANGE TORYO COMMODITY EXCHANGE	TSE TOCOM ASE ASE AIX	TOKIO TOKIO	WWW.IPK.CO.IP WWW.TOCOM.OR.IP	MAY 2006 MAY 2000	ACTIVE ACTIVE	JUNE 2005 MAY 2010	
JORDAN JO	AMNL XAMM	XAMM	AMMAN STOCK EXCHANGE - NON-LISTED SECURITIES MARKET AMMAN STOCK EXCHANGE	ASE ASE	ANDMAN ANDMAN	WWW.DXDUNGE.JO	OCTOBER 2019 OCTOBER 2019	ACTIVE ACTIVE	OCTOBER 2019 JUNE 2005	
KAZAGISTAN KZ KAZAGISTAN KZ	ABX	CCEX	CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL C	AX	Octoba U Oct	INMONETALE	APRIL 2018 FEBRUARY 2019	ACTIVE ACTIVE	APRIL 2018 FEBRUARY 2019	
KAZAKISTAN KZ KAZAKISTAN KZ	ETSC WAZ	ETSC XXXZ	LOW CLASSICALLY TALLOWARD ACCOMMODITY DICHARGE INAMINISTATION CONCENTRATE INAMINISTATION CONCENTRATE INAMINISTATION CONCENTRATE INAMINISTATION CONCENTRATE INDEX EXCENTRATE DISSOONS MARKET INDEX EXCENTRATE DISSOONS MARKET	KAZE	ALMATY ALMA-ATA	WWW.EASE.XZ	JULY 2010 JUNE 2005	ACTIVE ACTIVE	JULY 2000 JUNE 2005	THE RECORNAL REMANDIAL CENTER OF ALMANTY CITY (WE'CH, AND DISK' THUSING SYSTEM" STOCK ELECHNISE HAVE SIT UP A COMMODITY EXCHANGE, RG. "SURVIVAN TRACKING SYSTEM" READQUARTERED IN ALMANY, RAZMOSTAN,
KENYA KE KOREA REPUBLIC OF	XNAI Groo	XNA GSX	NAROBISTOCK EXCHANGE GENERAL		NAIROBI SEQUE	WWW.NSC.CO.KE WWW.GSET.GS.COM	JUNE 2005 AUQUST 2009	ACTIVE ACTIVE	JUNE 2005 AUGUST 2019	GOLDMAN SACHS INTERNAL NETTING FACULTY.
150 150	WEW West	XXXX XXXX	HOREA EXIDANCE COMMODITY MARKET HOREA EXIDANCE EMISSIONS MARKET		SEOUL SEOUL	NOW, MICH. CO. INS.	DECEMBER 2015	ACTIVE ACTIVE	DECEMBER 2015 DECEMBER 2017	COLAMIN OF METRICA METRICA CALLY. SECURIZION MANTET DEL DISCONDETT SOLO A METRICA PETRICA PET
KOREA, REPUBLIC OF KR	3058 3077	XXFB	GEL REGISSOR STREET THE STREET	WWYDM	SCOUL	MAWW.KSDA.OR.KR/ENGLISH/INVEST/OTC_OVERVIEW.CFM HTTP://ENGLISH.CD.KR	AUGUST 2000	ACTIVE	AUGUST 2010	SECEGONO IS A NEW MARKET FOR COMPANIES LISTED, RETHER ON THE STOCK MARKET DYNSON NOT IN IN INCOMP, MARKET DYNSON ON THE MISSING MARK
KOREA, REPUBLIC OF KR	XXXX	XXXX	KOREA NEW EXCHANGE	KRX FM KONEX KOSDAQ KRX SM	SEOUL	HI IF / JERUSON CALLON	JANUARY 2016	ACTIVE	JUNE 2013	KOREA THERD OFFICIAL EXIGNANCE - LAUNCH DATE: XLX 15T 2013
KOREA, REPUBLIC OF KR KOREA, REPUBLIC OF KR	3005 309X	MORK MORK	BOREA DICHANGE (STOCK MARKET)	KOSDAQ KRX SM	SOUL	HTTP://ENGLISK.CO.IR HTTP://ENGLISK.CO.IR	SEPTEMBER 2013 SEPTEMBER 2013	ACTIVE ACTIVE	AULY 2008	
KUWAIT KW KYRGYZSTAN KG	XXXV XXXV	XXXX	D KEMINIT STOCK EXCHANGE D KIRGYZ STOCK EXCHANGE	KSE LSX	RISHKEK	WWW.XSE.KG	MARCH 2007 MARCH 2007	ACTIVE ACTIVE	MARCH 2007 MARCH 2007	
LACS LA LATVIA LV	XLAO FNLV	XLAO XRIS	D LAG SECURITIES EXCHANGE RRST NORTH LATVIA	LSK	RIGA	FIFTY PROCESS OF THE PROPERTY OF THE PROPERTY OF THE PROCESS OF TH	FEBRUARY 2001 NOVEMBER 2005	ACTIVE ACTIVE	MARCH 2008	REST MORTHIS CHREATED BY MACRON, SHEST MORTHIS A MORDIC ALTERNATIVE MIT MARRETURACE FOR TRADING SHARES AND OTHER TYPES OF FINANCIAL RISTRUMENTS. SYSTEMATIC INTERNALISER.
LATVIA LV LATVIA LV	SWLV	SWLV	D SWEDBANK LATIVA - SYSTEMATIC INTERNALISER D NASDAQ RIGA AS		RIGA	WWW.NASDAGRATIC.COM	DECEMBER 2017 DECEMBER 2015	ACTIVE ACTIVE	OCTOBER 2009	SYSTEMATIC IN TERMALISER.
LEBANON LB LIEYAN ARAB JAMAHRIYA LY	XSEY	XLSM	BOURSE DE BEYROUTH - BEIRUT STOCK EXCHANGE DI LIBYAN STOCK MARKET	950	BEIRUT	WWW.ESK.GOV.LY	APRIL 2009 MAY 2009	ACTIVE ACTIVE	APRIL 2009 MAY 2009	REGISTIFRED MARKET FOR 7 COUNTIES
DECHTENSTEIN U	XLGT XLB	XLGT XLIB	D LGT BANK AG - SYSTEMATIC INTERNALISER DIECHTENSTEINISCHE LANDESBANK AG - SYSTEMATIC INTERNALISER	BLV	VADUZ VADUZ	MWTG2:COM	FEBRUARY 2017 DECEMBER 2017	ACTIVE ACTIVE	FEBRUARY 2017 DECEMBER 2017	SYSTEMATIC INTERNALISES SYSTEMATIC INTERNALISES
	XVPS SAPX	XVPS BAPX	VP BANK AG - SYSTEMATIC INTERNALISER D BALTPOOL		VADUZ	WWW.MAITPOOLLT	DECEMBER 2017 MARCH 2000	ACTIVE ACTIVE	DECEMBER 2017 MARCH 2010	SYSTEMATIC INTERNALISES REGISTED IMMEST FOR FOR CERNIAMINES. ANATPOOLUME STREET CHEETED IMMEST FOR FOR CERNIAMINES.
LITHUANIA LT LITHUANIA LT LITHUANIA LT	FNLT	XLIT GETB	THE MARINE WITHOUT	GET BALTIC	VILNUS	WWW.NASDAQBALTIC.COM	NOVEMBER 2005 NOVEMBER 2004	ACTIVE	OCTOBER 2009 NOVEMBER 2014	SET MORTHE OPERATION PARADAG, REST MOSTHES A MORDIC AL TERRATION HAT MARKETPLACE FOR TRACKING DURING THESE OF FINANCIAL INSTRUMENTS. HET MANUFACTURE ACC SET PURING OF DO RENOTE OF INTERVE POPULATION FERRORS. HET MANUFACTURE ACC SET PURING OF DO RENOTE OF INTERVE POPULATION FERRORS.
LITHUANIA LT	LMMR	LMNR	LUMINOR BANK - SYSTEMATIC INTERNALISER		VILNUS	WANN CCD IT	SEPTEMBER 2018 OCTOBER 2019	ACTIVE	SEPTEMBER 2018 OCTOBER 2019	SYSTEMATIC INTERNALISIS OR BONDS SYSTEMATIC INTERNALISIS OR BONDS
UTHANNON	SWLT	SWLT	SWEDBANKLITHLIANIA - SYSTEMATIC INTERNALISER		VILNUS	WWW.SWEDBANKLT	DECEMBER 2017	ACTIVE	DECEMBER 2017	RECORDED WHILET FOR 7 TOUTHER SOMEWAY OF TRANSMENT SOMEWAY OF TRANSMENT MAY TOUTH AND THE STATE OF THE STATE
LUXEMBOURG LU	BCEE	BCEE	BANQUE ET CASSE D'EPARGNE DE L'ETAT, LUXEMBOURG - BCEE - SYSTEMATIC INTERNALISER	OCEE BIL	LUXEMBOURG	WWW.RCEE.LU	JUNE 2018	ACTIVE	JUNE 2018	SYSTEMATIC INTERNALISER, MC FOR SI ACTIVITY.
LUXEMBOURG LU	BLUX	BLUX	SELECTION OF CONTROL O	CCLUX	UNDUZ VILNUS VIL	WWW CASTACT WWW ASSECTION WW ASSECTION WWW ASSEC	JANUARY 2019	ACTIVE ACTIVE	JANUARY 2019	OPTIMANE CREMINISTE MAC (OR INCHITO) OPTIMANE CREMINISTE OPTIMANE CREM
LUXEMBOURG LU	DBLX	DBLX	D RNESTI S.A. DEUTSCHE BANKLUSEMBOURG S.A.	CCLUX	LUXEMBOURG	WWW.CELUXTR WWW.CELUXTR	APRIL 2009 JANUARY 2019	ACTIVE ACTIVE	JANUARY 2019	CINITABLE DE COMMUNICATIONS LINIXIMAGUNES, S.A. (CCLUII) CHAMESTO TRIANNE TO PRIESTI S.A.
LUXEMBOURG LU	EMTE	XLUX	DEUTSCHE HOLDINGS (LUXEMBOURG) S.A.R.L. EURO MTF		LUXEMBOURG	MMM-BOIREETIN MMM-DB-COM	JANUARY 2019 JUNE 2005	ACTIVE ACTIVE	JANUARY 2019 JUNE 2005	
LUXEMBOURG LU	KSLL	KBIT	ISL EURO COMMERCIAL PAPERS ISL EUROPEAN PRIVATE BANKERS S.A.	KBLL	LUXEMBOURG	MMM XELTO	DECEMBER 2018	ACTIVE ACTIVE	DECEMBER 2018 DECEMBER 2018	
LUXEMBOURG LU LUXEMBOURG LU	KSLS KSLT	KBIT	MBL STRUCTURED PRODUCTS MBL FX TREASURY DERIVATIVES		LUXEMBOURG	MMM/RETRI	DECEMBER 2018	ACTIVE ACTIVE	DECEMBER 2018 DECEMBER 2018	
LUXEMBOURG LU LUXEMBOURG LU	RBCB RBS	RECE RECE	D REC INVESTOR SERVICES BANK S.A SYSTEMATIC INTERNALISER REC INVESTOR SERVICES BANK S.A SYSTEMATIC INTERNALISER		ESCH-SUR-ALZETTE ESCH-SUR-ALZETTE LUXEMBOURG	WWW.RBCITS.COM WWW.RBCITS.COM	JULY 2017 AUGUST 2017	ACTIVE ACTIVE	AUGUST 2017	SYSTEMATIC INTERNALISER.
LUXEMBOURG LU LUXEMBOURG LU	XLUX XVES	NLUK KVES	LUXEMBOURG STOCK EXCHANGE VESTIMA		LUXEMBOURG LUXEMBOURG	WWW.DLARSTREAM.COM	JUNE 2005 DECEMBER 2014	ACTIVE ACTIVE	JUNE 2005 JUNE 2005	
MACEDONIA MK MADAGASCAR MG	XMAE XMDG	XMAE XMDG	MACEDONIAN STOCK EXCHANGE MARCHE INTERNANCAIRE DES DEVISES M.L.D.		SIDRE ANTANANARIVO	WWW.MSE.ORG.MK	JUNE 2005 JUNE 2005	ACTIVE ACTIVE	JUNE 2005 JUNE 2005	
MALAWI MW MALAYSIA MY	W XMSW MESO	XMSW XXLS	MALAWI STOCK EXCHANGE ACE MARKET		BLANTYRE KUALA LUMPUR	WWW MISC CO.MW WWW BUSHAMANIAN COM WWW BUSHAMANIAN COM LISTS LIST COM M WWW BUSHAMANIAN COM LISTS LIST COM M WWW BUSHAMANIAN COM	JUNE 2005 MAY 2000	ACTIVE ACTIVE	JUNE 2005 MAY 2010	THE MESONA IS DESIGNED FOR HIGH-GROWTH COMMANIES AND TECHNOLOGY INTENSIVE INDUSTRIES.
MALAYSIA MY MALAYSIA MY	/ X01.5	XXLS	BURSA MALAYSIA I ABULAN INTERNATIONAL ENAMOLAL ENCHANGE	1DY	KUALA LUMPUR	WWW.BURSAMALAYSIA.COM	JUNE 2005	ACTIVE	JUNE 2005	
MALAYSIA MY	/ XRBM	XREM	RINGGIT BOND MARKET MALINING STOCK ENTHANCE	LFX RBM	LUXEMMOURG SIDDRE SIDDRE ANTANANARIO REANTRE RIJAGA LUMPUR	WWW.BONDINFO.BNM.GOV.MY	MAY 2000	ACTIVE	MAY 2010	SCOTISTO-MAINT DIS COUTS
MALTA MT	COMG	COMG	COMMERGATO. RECTIFICATION CONSECUTOR SECURITIES ANABITET	IFSM	SLIEMA	WWW.COMMERG.COM	MARCH 2008	ACTIVE	MARCH 2018 NOVEMBER 2017	ABSTRACT OF ABSTRACT AS A STATE OF A STATE O
LUDHMONIS	PROS	XMAL	PROSPECTS		VALLETTA	WWW SMERROSPECTS, COM	NOVEMBER 2006	ACTIVE	NOVEMBER 2016	AITS
MAURITIUS MU	J GBOT	GROT	BOURSE AFRICA LIMITED	MSE BAFR	EBENE	WWW BOURSEARICA.COM	DECEMBER 2013	ACTIVE	OCTOBER 2010	MAILTH ASSET CAMES DELIVENED WONDERS ON BEECHDOMY OF AUTOMATION THROWS ON COMMODITY DESINATIVES, CURRENCY DESINATIVES, EQUITY, EQUITY DESINATIVES AND BODIES. BEECHDOMY THROWS PARTNERS REQUITES AND BODIES MARKET.
MAURITIUS MU	J XMFX J XMAU	XMAU	STOCK DICHARGE OF MAURITUS LTD	BVA	NUMA CUMPUR NAME SLIEMA VALETTA VALETTA VALETTA VALETTA EENE EENE OOR NEKCO MEKCO	WWW.STOCKEXCHANGEOFMALIRITUS.COM	JUNE 2005	ACTIVE	AUGUSÍ 2014 JUNE 2005	ELECTRONIC TRADING PLUTIONAL FOR EQUITES AND BORNOS MARKET STOCK DISTANCE UNIT ON Q1 2018.
MEDICO MIX MEDICO MIX MEDICO MIX	BIVA CGMX	CGMX	O CITI MEDICO RPI (RETAL PRICE IMPROVEMENT)	MEXICER	MENCO	WWW.CITIGROUP.COM	DECEMBER 2014	ACTIVE	APRIL 2012	STATE ALL AND THE SECOND STATE OF THE SECOND S
	K XEMD K XEMEX	XMEX	BOLSA MEDICANA DE VALORES (MEDICAN STOCK EXCHANGE)	MEXIAN	MENCO	WWW BMV COMMX	JUNE 2005	ACTIVE	JUNE 2005	
MULLIOVA, REPUBLIC OF MD MONGOLIA MN	N XULA	XMOL	MINISTRATOR ENGIANGE MONGOLIAN STOCK ENGIANGE		OHSINAU ULAAN BAATAR MONTENEGRO	WWW.MSE.MN	JUNE 2005 JUNE 2005	ACTIVE ACTIVE	JUNE 2005 JUNE 2005	
MEDICO MOX MICHORAL REPUBLIC OF MID MONGOLIA MIN MONGOLIA MIN MONGOLIA MIN MONGOLICO MA MORDOCCO MA MORDOCCO MA MOZAMBIQUE NIZ	NAMES A XCAS	MEAS .	UNITED MODEL SECTION CONTINUES WASTER OF TRANSPORTED SECTION OF TRA		MUNTENEGRO CASABLANCA	WWW.ANDN INNUMOBERZA COM WWW.CASABLANCA BOURSE.COM	DECEMBER 2006 JUNE 2005	ACTIVE ACTIVE	DECEMBER 2006 JUNE 2005	
	MWRX MARK	XXVM XNAM	NAMIDIAN STOCK ENCLANCE	SVM.	CASABLANCA MAPUTO WINDHOOK	WWW.RDLSADEVALORES.CO.MZ WWW.NSK.COM.NA	OCTOBER 2014 JUNE 2005	ACTIVE ACTIVE	JUNE 2005	RESISTERED MAKET FOR EQUITIES, BONG, COMMERCIA, RAPER AND OTHER PRIVACIAL HISTRIGARNITS
NEPAL NP	XNEP NZFX	XNEP NZEX	NEPAL STOCK EXCHANGE NEW ZEALAND FUTURES & OPTIONS	NZFOX NZX		WWW.NEPALSTOCK.COM WWW.NEPOKNEX.COM	JUNE 2005 SEPTEMBER 2007	ACTIVE ACTIVE	JUNE 2005 SEPTEMBER 2007	
nam dialanu NZ	YMZE	XMZE XMAN	NEW ZEALAND EXCHANGE LTD BOLSA DE VALORES DE INCARAGUA		AUCKAND WELLINGTON MANAGUA	WWW.NZX.COM WWW.BOLSANIC.COM	JUNE 2005 JUNE 2005	ACTIVE ACTIVE	JUNE 2005 JUNE 2005	
NEW ZEALAND NZ NEW ZEALAND NZ NICARAGUA NI	XMAN		NASO OTC MARKET	NASDOTC NSE	LAGOS LAGOS	WWW.NSE.COM.NG	AUGUST 2005 FERRUARY 2015	ACTIVE ACTIVE	AUGUST 2015 JUNE 2005	SECRETIFIED MARKET FOR ILLICITIONIC TRACINIC OF UNLIVETED SECURITIES. FLICTIONIC TRACING PATERONA.
NEW MARAND NZ NEW MARAND NZ NICARAGUA NI NIGERIA NG NIGERIA NG	XMAN NASX VIICA	XNSA			1	WWW.NASDAQOMX.COM/COMMODITIES/	APRIL 2017	ACTIVE	APRIL 2017 NOVEMBER 2017	Section 1.
MICARAND N.Z.	NASK NASK NASK SUSA BULK	XNSA NORX	THE INICESTRANS FOCK DICHARGE NASDAQ COMMODITIES - BULK COMMODITY CARRECGE AS - SYCREMATIC INITERALISER		0910		moreover JUL/	ACTIVE	APRIL 2017	
NE	300AQ NASX 305A 0 BULK CASI CEU	NASK XNSA NORK CNS NORK NORK	THE NICERAL STOCK EICHANGE NACHAG (CHARGETES - BUK COMMORTY CAMEDIG AS - SYSTEMATIC IN TERMALIZER ANGER (CHARGETES - BUK COMMORTY ANGER (CHARGETES - BUK COMMORTS) ANGER (C	CAR	05L0 05L0	WWW.NASDAGONICOM/COMMODITES/	APRIL 2017			
NIGERIA NG NIGERIA NG NIGERIA NG NIGERIAY NO NORWAY NO NORWAY NO NORWAY NO NORWAY NO NORWAY NO	20,600 NACK 20,505 20,505 00 CASS 00 ELEU 00 ELNO 00 ESS	NORK NORK CNS NORK NORK NORK NORK	THE MISSIANA STOCK EDUNGE MISSIAN STOCK EDUNGE MISS		05L0 05L0 05L0 05L0	WAWN ANGO-CONICCOM/COMMICCOMISS WAWN ANGO-COMICCOMISSON WARN ANGO-COMICCOMISSON WARN ANGO-COMISSON WARN ANGO-COMISS	APRIL 2017 APRIL 2017 APRIL 2017 APRIL 2017	ACTIVE ACTIVE	APRIL 2017 APRIL 2017	
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POLAND PI	PL XWCO XWAR PL XWAR XWAR	R S	WARSAW STOCK EXCHANGE/EQUITIES/NEW CONNECT - MTF WARSAW STOCK EXCHANGE/EQUITIES/MAIN MARKET	WSE	WARSAW	WWW.REWCONNECT.PL WWW.GPW.PL	AUGUST 2013 A	ACTIVE ACTIVE	JANUARY 2008 JUNE 2005	MARKET FIRANCING THE GROWTH OF YOUNG COMEMIES WITH ALLINGS GROWTH POTENTIAL, GROWSTO AND OPENATED BY THE WISS
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BUTSSA. B.	RU RUSK RUSK		NON-PROFIT PARTINESHIP FOR THE DEVELOPMENT OF FINANCIAL MARKET RTS	NP RTS	MOSCOW	WWW.NPSTS.RU	JANUARY 2015 A	CTIVE	DECEMBER 2014	MARKET OPERATOR FOR RUSSANS OF MARKET.
RUSSIA R	RU MMOS XMOS	6 0	MOSCOW STOCK EXICHANGE	MSE	MOSCOW MOSCOW	WWW.SERU	NOVEMBER 2007 A	ACTIVE	NOVEMBER 2007	REGISTERS COMMODITIES MOREST - UIC.
RUSSIA R RUSSIA R	RU XPET XPET RU XPIC XPIC	0	SAINT PETERSBURG DICHANGE SAINT-PETERSBURG CURRENCY EXCHANGE	Section	MOCIONE STREAMS MOCION	WWW.SPCEX.RU	MAY 2000 A JUNE 2005 A	ACTIVE ACTIVE	MAY 2010 JUNE 2005	
RUSSIA R RUSSIA R	RU XRUS XRUS RU XSAM XSAM	4 O	INTERNET DIRECT-ACCESS EXCHANGE SAMARA CURRENCY INTERBANK DICHANGE	INDX SCIEX	MOSCOW	WWW.NDX.RU WWW.SCIDL.RU	SEPTEMBER 2007 A JUNE 2005 A	ACTIVE ACTIVE	SEPTEMBER 2007 JUNE 2005	
RUSSIA R	RU XSIB XSIB		SERVAN EXCHANGE ENVANDA OTC MARKET	SIMEX	NOVOSBIRSK	WWW.SIRDC.RU	MAY 2000 A	ACTIVE	MAY 2010	
RWANDA R	RW RSEX RSEX	0	RWANDA STOCK EXCHANGE	RSE	NGALI	WWW.RSE.RW	AUGUST 2011 A	ACTIVE	AUGUST 2011	PRINCIPAL STOCK MARKET FOR EQUITY AND BONDS.
SAINT VINCENT AND THE GRENADINES V	C SV0 SV0		SAINT VINCENT AND THE GRENADINES SECURITIES EXCHANGE	SVGEX	KINGSTOWN	WWW.SVGEX.COM	APRIL 2019 A	ACTIVE	APRIL 2019	REGISTERED MARKET FOR EQUITIES AND BOWDS.
SAUDI ARABIA SI SERBIA (REPUBLIC OF) R	SA XSAU XSAU RS XBEL XBEL	. 0	BELGRADE STOCK ENCHANGE	BELEX	RELIGRADE	WWW.TADAWULCOM.SA WWW.BELDCRS	DECEMBER 2014 A	ACTIVE ACTIVE	MAY 2010	
SEVENELLES SI	SEC SECC SECC SECC	0	SECRET CLEARING LIMITED SECRET OFFICE TO SECRET SEC		VICTORIA VICTORIA	WWW.SECDEX.NET	MARCH 2020 A MARCH 2020 A	ACTIVE ACTIVE	MARCH 2020 MARCH 2020	
SEVENELLES SI SEVENELLES SI SINGAPORE SI	SECE SECE SEDE SEDE	0	SECRETARIANGE LIMITED SECRETARIANGE LIMITED		VICTORIA VICTORIA	VWWW SECRENT VWWW SECRENT VWWW SECRENT	MARCH 2020 A MARCH 2020 A	ACTIVE SVITSA	MARCH 2020 MARCH 2020	
SINGAPORE SI	ig APCL APEX	. s	AGIA PACIFIC CLEAR	APEX CLEAR CLTX	SINGAPORE	WWW.ASLAPACIFICEX.COM	DECEMBER 2017 A	ACTIVE	DECEMBER 2017	ART CONSISSIONS. ACTIONS TRANSPORT ACCOUNTS DESCRIPE, ACTIONS TRANSPORT ACCOUNTS DESCRIPE AC
SINGAPORE SI SINGAPORE SI SINGAPORE SI	ig CLTD CLTD		CLEARTRADE EXCHANGE	CLTX	SINGAPORE	WWW.CLTX.COM	OCTOBER 2014 A	ACTIVE	JANUARY 2012	ILLIL KRINE: INDURDA PLATORERIS CHEMICATION S. FULLY INTEGRATION PLATORERIS CHEMICAL SCHLICK PLATOR CHEMICAL SCHLICK PLATOR CHEMICAL SCHLICK PLATOR FOR CIT CLEASED COMMODITY SWAPS WHICH IS FULLY INTEGRATED TO PARTINER CLEANING HOUSES
SINGAPORE SI	IG ECAL ECAL IG EEAL EEAL	. 0	EUREX ELEARING ASIA PTE. LTD. EUREX EXCHANGE ASIA PTE. LTD.		SINGAPORE	WWW.EURENCHANGE.COM/DICHANGE-DN/AGUIT-US/EURENASA	JULY 2015 A	ACTIVE ACTIVE	JULY 2005 JULY 2005	APPROVIDE CLEARING MODIES MONITARY ANTIHERT OF SINGAPORE (MAG) REGULATION. REGISTRISON MORE TOR PUTINGS AND OPPORTS.
SINGANON SIN	IG IFSG IFSG IG IADX JADX	0	ICE RUTURES SINGAPORE JOINT ASIAN DERINATIVES DICHANGE		SINGAPORE	WWW.THEICE.COM WWW.JADERICHANGE.COM	DECEMBER 2013 A MAY 2007 A	ACTIVE ACTIVE	DECEMBER 2013 MAY 2007	ELECTRONIC PLATFORM TO TRACE PUTURES AND OPPLOAD PRODUCTS.
SINGAPORE SI SINGAPORE SI	IG MALM MASG IG MASG MASG	G S	MARKETAKESS SINGAPORE PTE LIMITED - LIVE MARKETS MARKETAKESS SINGAPORE PTE LIMITED		SINGAPORE SINGAPORE	WWW.WARKETARESCOM	DECEMBER 2019 A JUNE 2017 A	ACTIVE ACTIVE	DECEMBER 2019 JUNE 2017	
SINGAPORE SI	ig SMDX SMDX	K 0	SINGAPORE MERCANTILE EXCHANGE PTE LTD	ner.	SINGAPORE	WWW.SMK.COM.SG	DECEMBER 2009 A	CTIVE	DECEMBER 2009	SWI IS ASKY SHET MILIT IN PRODUCT GLOBAL COMMODITY OF PIVATIVES DICHANGE. ACCESSMENT FOR THE PRODUCT IS TOOK A COMMODITY OF PIVATIVES DICHANGE.
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SINGAPORE SI	ig Twsg Twsg	6 0	TRADEWEB EUROPE LIMITED - SINGAPORE		SNGAPORE	WWW.TRACEWER.COM	OCTOBER 2017 A	ACTIVE	OCTOBER 2017	
SINGAPORE SI SINGAPORE SI	IG XSBT XSES IG XSCA XSES	S S	SINGAPORE EXCHANGE BOND TRADING PTE. LTD SINGAPORE CATALIST MARKET	SGK-BT	SNGAPORE SNGAPORE	WWW.SGX.COM WWW.SGXCATALIST.COM	SULY 2017 A SEPTEMBER 2008 A	ACTIVE ACTIVE	SEPTEMBER 2008	ELECTRONIC TRANSPORT PLATORIA FOR ROSSI DISCONIS SECURITIES. SPONISSOS RUPRISTED AMBRIT DATORI. PORTUGO SERVICIO SERVIC
SINGAPORE SI SINGAPORE SI	6G XSES XSES 6G XSES XSES	S 0	SINGAPORE COMMODITY EXCHANGE SINGAPORE EXCHANGE	SCOM	SNGAPORE	WWW.SGX.COM	OCTOBER 2013 A JUNE 2005 A	ACTIVE ACTIVE	JUNE 2005 JUNE 2005	MERCED WITH SCHIN 2008
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SLOVAKIA SI	R ERRA XBRA SUCO SUCO SUCO	s .	BRATISLAVA STOCK EXCHANGE - MTF GOV	gy	BRATISLAVA ZILINA	WWW.8SSE.SK	DECEMBER 2016 A	ACTIVE	DECEMBER 2016	ELECTRONIC TRADING PLATFORM FOR OTC DESINATIVES - SLOWAR AND CITED IN OWSE AND GIS.
SLOVANA SI	X XSRA XSRA	. 0	BRATISLAVA STOCK EXCHANGE	SPX BSSE	BRATISLAVA	WWW ESE SI	JUNE 2005 A	ACTIVE	JUNE 2005	MALTEAUTEAU TEACHER SECURITY OF THE UNRELINEAR STOCKEDGENING. NOT USE WIT.
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SLOVENIA SI SOUTH AFRICA ZI	1 XSOP XSOP DA 6AXE 6AXE	0	ISP REGIONAL ENERGY EXCHANGE - SOUTH POOL 4 ARRICA EXCHANGE (PTY) LTD		BRYANSTON, SANDTON	WWW.MAX.CO.ZA	APRIL 2009 A APRIL 2019 A	ACTIVE ACTIVE	APRIL 2009 APRIL 2019	
SOUTH AFRICA ZI SOUTH AFRICA ZI	DA AZXX AZXX DA ALTX XISE	. O	SE ALTERNATE EXCHANGE	AZX ALTX	JOHANNESBURG JOHANNESBURG	WWW.AZX.CO.ZA WWW.ISE.CO.ZA/MARKETS/ALTX-ASPX	PERRUARY 2018 A APRIL 2015 A	ACTIVE ACTIVE	AUGUST 2017 AUGUST 2006	REGISTERS MARKET FOR EQUITIES.
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SOUTH AFRICA ZI	DA XISE XISE	0	JOHANNESBURG STOCK EXCHANGE INS DOUTT DEBNATIVES MARKET	AZX ALTX BETP BESA JEE SAFEX SAFEX	JOHANNESBURG JOHANNESBURG	WWW.ISE.CO.ZA	MARCH 2001 A	ACTIVE ACTIVE	MARCH 2011	
SOUTH AFRICA ZO	DA XSFA XISE	5	SE COMMODITY DERIVATIVES MARKET	SAFEX	JOHANNESBURG	WWW.SAFEX.CO.ZA	APRIL 2015 A	ACTIVE	JUNE 2005	
SOUTH ARRICA 2	TA ZARX ZARX	. 0	ZAX X	ZMX RM	JOHANNESBURG	WWW.2ARX.CO.2A	APRIL 2018 A	ACTIVE	APRIL 2018	
SOUTH AFRICA ZI	IA ZROM XISE IS ABAN ABAN	s v 0	DIS CLINICA LISHINATIVES MARKET ADANCA	RM	MADRID RG	WWW.ABANCA.COM	JUNE 2018 A NOVEMBER 2018 A	ACTIVE ACTIVE	NOVEMBER 2018	
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SPAIN ES	S SMCL SMEX	x s	BME CLEARING S.A. BME - APA	BME APA	MADRID MADRID MADRID	WWW BANK,COM WWW BANK,COM WWW BANK,COS WWW BANK,FAS WWW BOSK-ROMBERCHOOLS SPREQUIATORY-SERVICES/ING/HOME WWW BOSK-ROMBERCHOOLS SPREQUIATORY-SERVICES/ING/HOME WWW BOSK-ROMBERCHOOLS SPREQUIATORY-SERVICES/ING/HOME	OCTOBER 2013 A	ACTIVE SVITS	OCTORER 2013 AUGUST 2017	APPROVID PUBLICATION ARRANGAMENT (APA.
SPAIN E	is amex amex	x 0	BME - BOLSAS Y MERCADOS ESPANOLES COMPRIME DETERMINE DETERMINED	BME APA BME CABE CAPI	MAGRID	WWW.BCLSASHMERCADOS.ES	AUGUST 2012 A	CTIVE	AUGUST 2012	
SPAN E	S CAR CAR		CARLOTT CA AMMONIO BURNINGTON ARRANGEMENT	CAR	MADRID	WWW. EARLINGS COM WWW. EARLINGS WWW. EARLINGS COM/CMMS BU/ WWW. EARLINGS COM/CMMS BU/	NOVEMBER 2017 A	CTIVE	NOVEMBER 2017	REGISTERED ORGANIZED TRADNIG FACULTY FOR BONDS AND DERIVATIVES (INTEREST RATES AND FIG.
SPAIN E	IS OMB CIMD	2 S	CIMID S.V. S.A APPROVED POBLICATION ARRANGEMENT CIMID S.V. S.A OTF FOR BONDS		MADRID MADRID	WWW.GRUPOCIND.COM/CIMD-SN/	NOVEMBER 2017 A	ACTIVE	NOVEMBER 2017	APPRINTED FORMULA VIELEN AND AND AND AND AND AND AND AND AND AN
SPAIN ES	S CIMD CIMD S CIME CIME	0 0	CIMD S.V. S.A OTF CIMD S.V. S.A OTF FOR ENERGY DERIVATIVES		MADRID MADRID	WWW.GRUPOCIND.COM/CIMD-SIV	NOVEMBER 2017 A NOVEMBER 2017 A	ACTIVE ACTIVE	NOVEMBER 2017 NOVEMBER 2017	ORGANIZO TRADNIC FACILITY FOR BURBLY OF SEFECTIVES INSTRUMENTS.
SPAIN ES	S CMV CIMD S CSMD CSMD	s s	CIMD S.V. S.A OTF FOR DERNATIVES ORDIT SUBSE SECURITIES SOCIEDAD DE VALORES, S.A.	CSSSV	MAGRID	WWW.GRUPOCIND.COM/CIMD-St/ WWW.CREDT-SLISSE.COM	NOVEMBER 2017 A DECEMBER 2019 A	ACTIVE ACTIVE	NOVEMBER 2017 DECEMBER 2019	SECTION CALLANDONIO. SECTION CONTROL TO SECTION CONTROL SECTION SECTI
SPAIN ES	S DOWE DOWN	M S	DOWGATE EURO GOVERNMENT BONDS DOWGATE - MIT BANDRIDI		MAGRID MAGRID	WWW.XSCM.ES WWW.XSCM.ES	SEPTEMBER 2019 A	ACTIVE ACTIVE	SEPTEMBER 2009 AUGUST 2019	MULTILATIBAL TRANSFACILITY.
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SPAN E	TS MARK BINEX	x s	MERCADO ALTERNATIVO BURSATIL	MAR	MADRID	WWW.BOLSASYMERCADOS.ES	JULY 2007 A	CTIVE	JULY 2007	
SPAIN ES	S MARF BMEX S MDRV MING	x s	MERCADO ALTERNATIVO DE RENTA FUA MIRGAS - DERIVATIVES	MRGAS	MADRID MADRID	WWW.MIRGASDERNATIVES.ES	JULY 2013 A NOVEMBER 2017 A	ACTIVE	NOVEMBER 2017	ALTERNATIVE FORD INCOME AMMERIT FOR SAMALA AND MEDIUM ENTERPRISES (SOLUES (MESSAY SCHAMER) GENERAL (SCHAMERT).
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PAIN ES	S OMEL OMEL S PAVE DAVE	1 0	MEACOGUETTORICO E ERRATAR OFFICIAL DE CONTROLLA DE CONTR	OMIE	MAGRID BARCELONA	WWW.PWEPLATORM.COM	NOVEMBER 2014 A MARCH 2012 A	ACTIVE	MAY 2007 MARCH 2012	OME IS LIGAL SUCCESSOR OF OMEL AS MARKET OPERATIOR BY WAY OF UNIVERSAL LIGAL SUCCESSION
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	SBIL BMEX	x 5	BOLSA DE BILBAD RENTA FIA		BLBAD	WWW.BOLSASIMBRCADOS.ES	FEBRUARY 2017 A	CTIVE	FEBRUARY 2017	ELECTRONIC TRADONIC PLATFORM FORD INCOME BOCALO OR BRANCH
PAN E	S SEND BMEX	x s	SEND - SISTEMA ELECTRONICO DE NEGOCIACION DE DEUDA CREDIT SUISSE EU - SYSTEMATIC INTERNALISER	SEND	MADRID MADRID	WWW.CREDIT-SUSSE.COM	OCTOBER 2013 A DECEMBER 2018 A	ACTIVE	DECEMBER 2018	ISTOR OF WELLCHRONC FRATORM, DEVELORED BY ARE MERCADO DE BENTA FIRA, DESIGNED FOR THE TRADING OF RETAR, DISTRIBUTED FIXED INCOME SECURITIES LISTED IN THIS MARKET. SYSTEMATIC INTERNALISE.
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E	S SIMO CSMO IS TOME TRES IS TREE TREE	v 5	BOLSA DE BARCELONA BOLSA DE MAI DESCRICADA		BARCELONA	WWW.BCUSAGEN.ES WWW.BGUSAGEN.ES	JUNE 2011 A	CTIVE	JUNE 2011	
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SWEDEN SWEDEN SWEDEN	SE GR	S GRIS 0 SE XSTO S	GARANTUM FONDIXONANSSION AB - SYSTEMATIC INTERNALISER RISST NORTH SWEDEN – AUCTION ON DEMAND		STOCHIOLM STOCHIOLM STOCHIOLM STOCHIOLM STOCHIOLM STOCHIOLM STOCHIOLM STOCHIOLM STOCHIOLM STOCHIOLM STOCHIOLM	WWW.GARANTUM.SE WWW.NASDAGONBNORDIC.COM	JUNE 2016 ACT	TIVE	FEBRUARY 2018 JUNE 2016	STORMOG STRANDAR
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HE NETHERLANDS HE NETHERLANDS	NL TW	EU TWEU O	TRADEWER EU BV EURONDET - EURONDET AMSTERDAM		ANSTERDAM	WWW.TRADEWER.COM WWW.EURONEXT.COM	JULY 2018 ACT APRIL 2015 ACT	TIVE	JULY 2008 JUNE 2005	
HE NETHERLANDS HE NETHERLANDS	NL XX	AS NEMS O	EMS EXCHANGE EURONIDAT COM, COMMODITIES FUTURES AND OPTIONS		S-HERTOGENBOSCH AMSTERDAM	WWW.VANLANGCHOT.AL WWW.EURONEXT.COM	SEPTEMBER 2012 ACT JUNE 2005 ACT	ZVVE ZVVE	SEPTEMBER 2012 JUNE 2005	REGISTERIO MANET FOR SCURINIS, ELECTRONIC TRANSPORATIONA.
HE NETHERLANDS	NL XXL	IE XAMS S	EUROMONT COF, EQUITIES AND INDICES DERIVATIVES EUROMONT IBS, INTEREST RATE FUTURE AND OPTIONS		AMSTERDAM AMSTERDAM	WWW.EURONEXT.COM WWW.EURONEXT.COM	JUNE 2005 ACT JUNE 2005 ACT	ZVYE	JUNE 2005 JUNE 2005	
HE NETHERLANDS	NL XN	C NNC O	EMPORISE AND SECURITY OF OUR OWNERS DATE OF THE SECURITY OF T		AMSTERDAM AMSTERDAM AMSTERDAM	WWW.NICHANGE.COM	MAY 2006 ACT OCTOBER 2018 ACT	TIVE ZVIT	MAY 2016 OCTOBER 2018	ASCULATION AMERIT, TRANSIN EN ARTHONIA NICHARIZ. MAIN TRANSIN EN ARTHONIA SICLUTY.
THE NETHERLANDS HE NETHERLANDS HE NETHERLANDS	NL XN							TIVE	JUNE 2005	
THE RETERIORANGS THE RE	NL 2001 TT 2018 TN 2014	N XTRN O	TRINDAD AND TOBAGO STOCK EXCHANGE BOURSE DE TUNIS	SAML.	TUNS	WWW.BVMT.COM.TN	SEPTEMBER 2007 ACT	TIVE	SEPTEMBER 2007	
HE NETHERLANDS HE NETHERLANDS HE NETHERLANDS RINIDAD AND TOBAGO UMSIA URKEY URKEY	NE 300 TT XTB TN XTL TR EXT TR XXTL	N XTRN O IN XTUN O R EXTR O M XIST S	TRAINADA AND TODANGO STOCK ERGANICAE BOURSE OF ETHIOLOGY INDIRECT OF CHILDING ETHIOLOGY INDIRECT OCCUPANCE ETHIOLOGY INDIRECT OCCUPANCE OCCUPANCE BOOKS ASSTRANGED, OCCUPANCE SAMARKET OCCUPANCE OCCUPANCE OCCUPANCE OCCUPANCE OCCUPANCE OCCUPANCE OCCUPANCE OCCUPANCE OCCUPANCE OCCUPANCE OCCUPANCE OCCUPANCE OCCUPANCE	TTSE BVMT DOST	TUNS ISTANBUL ISTANBUL	WWW.EVACCONTY WWW.EVACCONTY	SEPTEMBER 2007 ACT MAY 2006 ACT JANUARY 2014 ACT	TIVE TIVE ZVIT	SEPTEMBER 2007 MAY 2016 JANUARY 2014	UCCINICIO FININCIT OPRINTORI FOR FOR PAY AND ADJUNTANDAY SUCCEDICITY MARRETS AND ESTABLISHMENT OF NATURAL GAS MARRET. GEST SCILINTIES MARRET.
HE NETHERLANDS HE NETHERLANDS HE NETHERLANDS RINIDAD AND TOBAGO UNISSA URBEY URBEY URBEY URBEY URBEY	NE SNI TT XTB TT XTB TN XTT TR DXT TR XD TR TR XEE TR XEE	1	INCLINED A VIET STOCK ENCOUNCE LOUISES OF THEM LOUISES	BVMT DOST DOST DOST	TUNG ISTANBUL ISTANBUL ISTANBUL ISTANBUL ISTANBUL ISTANBUL ISTANBUL	WWW BOART COM.TN WWW STREC COM.TN	SEPTEMBER 2007 ACT MAY 2006 ACT IANUARY 2014 ACT MAY 2006 ACT MAY 2006 ACT	TIVE TIVE TIVE TIVE	SEPTEMBER 2007 MAY 2016 JANUARY 2014 MAY 2016 MAY 2016	Section of the control of the contro

	TURKEY TR	ISO COUNTRY CODE (ISO \$166) MIC 0 XFNO XIST	OPERATING MIC OF	NAME-INSTITUTION DESCRIPTION BORSAISTANBUL - FUTURES AND OPTIONS MARKET DOES ATTEMPTS	ACRONYM	ISTANBUL ISTANBUL	WWW.BORGASTANIBUL.COM	STATUS DATE JANUARY 2014	ACTIVE	JANUARY 2014	E COMMENTS COMMENTS COMMENTS
	TURKEY TR	XIST XIST XPMS XIST	0 S	BURGA ISTANBUL - PRECIOUS METALS AND DIAMONDS MARKETS		ISTANBUL ISTANBUL	WWW.BORSASTANBUL.COM	MAY 2003 JANUARY 2014	ACTIVE ACTIVE	JUNE 2005 JANUARY 2014	LONGOLUS TRANS AND LONGOLUS TRANS AND LONGOLUS TRANSLATE
	UGANDA UG	ULTX ULTX XUGA XUGA	X O	ALT XCHANGE (U) UGANDA SECURITIES EXCHANGE	ALTX UGANDA USE	KAMPALA KAMPALA	WWW.USE.OR.UG	APRIL 2014 JUNE 2005	ACTIVE ACTIVE	APRIL 2014 JUNE 2005	APPROVED MARRET FOR EQUITIES, BOYCOS AND DERIVATIVES
	UKRAINE UA UKRAINE UA	EESE EESE PFTQ PFTS	0	EAST EUROPEAN STOCK EXCHANGE PFTS QUOTE DRIVEN		KEV	WWW.ESC.COM.UA WWW.FFS.COM	MAY 2000 OCTOBER 2000	ACTIVE ACTIVE	MAY 2010 OCTOBER 2010	QUOTE DRIVEN MARKET IS A TRADENIC SEGMENT UNDER PITS STOCK EXCHANGE.
	UKRAINE UA UKRAINE UA	PETS PETS SEPE SEPE	. 0	PETS STOCK EXCHANGE STOCK EXCHANGE PERSPECTIVA		DNIPROPETROVSK	WWW.PTS.COM ER.COM.UA	MAY 2000 MAY 2000	ACTIVE ACTIVE	MAY 2010 MAY 2010	
	UKRAINE UA	UICE UICE	i 0	LICRAINIAN INTERBANK CURRENCY EXCHANGE LICRAINIAN EXCHANGE	ucc	MEA	WWW.UKUA	OCTOBER 2018 DECEMBER 2011	ACTIVE ACTIVE	OCTOBER 2018 DECEMBER 2011	RECEITED MARKET FOR EQUITIES, AND SAN CERVATIVES. RECEITED MARKET FOR EQUITIES, AND SAN CERVATIVES.
	UKRAINE UA	XDFB XDFB	9 0	IOINT-STOCK COMPANY "STOCK EXCHANGE INNEX"		NIEV NIADMUN	MANAGE TO COM ITA	MAY 2000	ACTIVE	MAY 2010	
	UKRAINE UA	NOS NOS	0	KEY UNIVERSAL EXCHANGE KEY INTERNATIONAL STOCK EXCHANGE	NSE	MEA	WWW.KUE.KUEV.UA WWW.KUES-UA.COM	JUNE 2005 JUNE 2006	ACTIVE ACTIVE	JUNE 2005 JUNE 2006	
	UKRAINE UA	XNDU XNDU	0	PISC NATIONAL DEPOSITORY OF URRAINS	PISC NOU	KITY CONTES	WWW.CSD.UA	OCTOBER 2018	ACTIVE	OCTOBER 2018	
	UKRAINE UA	XPRI XPRI		PRIONEPROVSK COMMODITY EXCHANGE		DNIPROPETROVSK		MAY 2000	ACTIVE	MAY 2010	
	UKRAINE UA	XURR XURR	R O	URBAINAN UNIVERSAL COMMODITY EXCHANGE		MIA.	WWW.UUTB.COM.UA	JUNE 2005	ACTIVE	JUNE 2005	
	UNITED ARAB EMIRATES AE	DIFX DIFX	. 0	NASDAQ DUBA	NDIS	DUBAI	WWW.NASDAQDUBALCOM	FEBRUARY 2017	ACTIVE	DECEMBER 2008	ON TUCKDAY SITH HOVEMSER, 2008, THE DUBAN INTERNATIONAL SHAWCAL MARKET WAS SERRANDED AS HASDAY DUBAN.
Company	UNITED ARAB EMIRATES AE UNITED ARAB EMIRATES AE	GLOM GLOW	M 0	GLOMAX EXCHANGE LTD		ABU DHABI	WWW.GLOMAK.COM	FERRUARY 2020	MODIFIED	JANUARY 2020	ELECTRONIC TRAINING PLATFORM FOR CRYPTOCUSRENCIES.
Company	UNITED ARAB EMIRATES AE UNITED ARAB EMIRATES AE	GMGD GMGD IFAD IFAD	0	ICE FUTURES ABU DINABI	GMGDIS	ABU DHABI	WWW.THDCC.COM	SEPTEMBER 2019	ACTIVE	SEPTEMBER 2019	ELECTRONIC PLATFORM TO TRACE PUTURES AND OPTIONS PRODUCTS.
Column	UNITED ARAB EMIRATES AE UNITED ARAB EMIRATES AE	KRME KRME XADS XADS	s o	PRYWARD MENA HOLDINGS LTD. ABU DHABI SECURITIES EXCHANGE	ADSM	ABU DHABI	WWW.XDK.ACM WWW.ADK.AC	MARCH 2020 JUNE 2011	ACTIVE	MARCH 2020 JUNE 2011	Registered digital state exchange market, regulated by ACCAI Francial Services Regulatory Action (ip (ISSA)
The column	UNITED ARAB EMIRATES AE UNITED KINGDOM GB	XDFM XDFM 2579 2579	M 0	DUBAI FINANCIAL MARKET SSY FUTURES LTD - FREIGHT SCREEN		LONDON	WWW.DFM.CO.AE WWW.SSYONUNE.COM	JUNE 2005 JULY 2017	ACTIVE ACTIVE	JUNE 2005 JULY 2007	TRADING SCREEN FOR FORWARD FERSION AGREEMENTS (FA).
Column	UNITED KINGDOM GB UNITED KINGDOM GB	AFDL AFDL AIMX XLON	L O	ABIDE FINANCIAL DRSP LIMITED APA LONDON STOCK DIXCHANGE - AIM MTF	AFDLAPA LSE	LONDON	WWW.ABIDE-FINANCIAL.COM WWW.LONDONSTOCKEKHANGE.COM	MARCH 2017 AUGUST 2017	ACTIVE ACTIVE	MARCH 2017 DECEMBER 2016	CONCINUATED IAM 2021 UNITS IMMERST LAUNCH, AMMENST LAUNCH, AMMENST LAUNCH, AMMEN VANS INACTIVE FROM DECEMBER 2007 UNITS DECEMB
	UNITED KINGDOM GB UNITED KINGDOM GB	AMPX AMPX ANLP ANZL	t o	ASSET MATCH PRIVATE EXCHANGE AUSTRALIA AND NEW ZEALAND BANKING GROUP LIMITED	AMPX	LONDON	WWW.ANZ.COM.AU	AUGUST 2017 NOVEMBER 2017	ACTIVE ACTIVE	AUGUST 2017 NOVEMBER 2017	MALTILATERAL TRAINING RICHLITY (MITS) FOR EQUITIES. UQUINTY MONORE.
	UNITED KINGDOM GB UNITED KINGDOM GB	ANTS ANTS ANZL ANZL	S 0	ABBEY NATIONAL TREASURY SERVICES PLC - SYSTEMATIC INTERNALISER ALISTRALIA AND NEW ZEALAND BANKING GROUP LIMITED SYSTEMATIC INTERNALISER	ANTS ANZEGL	LONDON	WWW.SANTANDER.CO.UK	DECEMBER 2017 AUGUST 2017	ACTIVE ACTIVE	DECEMBER 2017 AUGUST 2017	ONTENATO INTERALISES. ONTENATO INTERALISES. ONTENATO INTERALISES.
	UNITED KINGDOM GB UNITED KINGDOM GB	AQDA AQDA AQDA AXDA	E S	AQUIS EXCHANGE PLC AUCTION ON DEMAND (ADD) AQUIS EXCHANGE PLC		LONDON	WWW.AQUISEU WWW.AQUISEU	FEBRUARY 2009 FEBRUARY 2009	ACTIVE ACTIVE	MARCH 2018 JULY 2013	PAN GURDINAN COUNTS TRADING DICKHNIGE MITS.
	UNITED KINGDOM GB	ARAX ARAX	x o	APAX COMMODITIES LTD		LONDON	WWW.ARACO.CO.UK	NOVEMBER 2017 May 2019	ACTIVE	MARCH 2016 MAY 2019	RECEITED FOR BROWNING OF FURDINAN FOWER AND CAS WANDLESALE PRODUCTS. MAIN THA STATE TRANSIC SEAL IT WASTED OF ROCKET A SOCIETY. THE THAT THE TRANSIC SEAL IT WASTED OF ROCKET A SOCIETY. THE THAT THE TRANSIC SEAL IT WASTED OF ROCKET A SOCIETY.
	UNITED KINGDOM GB	ARIA ARIA				LONDON	WWW ARIAN PINANCIAL COLUK	NOVEMBER 2017	ACTIVE	NOVEMBER 2017	TO JOY US COMPONED COMPONED TO STUDY
	UNITED KINGDOM GB	AUTR AUTR	x 5	AUTILIA - BASE METALS AUTILIA - PRECIOUS METALS		LONDON	WWW.AUTILLA.COM	MARCH 2017 MARCH 2017	ACTIVE ACTIVE	MARCH 2017 MARCH 2017	
Column	UNITED KINGDOM GB	AUTX AUTX	x 0	AUTILIA THE BALTHE SYCHAMOS		LONDON	WWW.AUTILIA.COM	MARCH 2007 NOVEMBER 2007	ACTIVE	FEBRUARY 2017	ELECTRONIC PLATFORM FOR COMMODITIES AND PX.
	UNITED KINGDOM GB	DANA DANA	A 0	BANK OF AMERICA, NATIONAL ASSOCIATION	BANA	LONDON	WWW.BGFAML.COM/EMEA	NOVEMBER 2017	ACTIVE	NOVEMBER 2017	
	UNITED KINGDOM GB	BARK BCRN	M S	CINCE EUROPE - REGULATED MARKET DARK BOOK	CROS REGM DARK	LONDON	WWW.MARKETS.COC.COM/EUROPE/EQUITES/OVERVIEW/	DECEMBER 2017	ACTIVE	JUNE 2016	CADIC CLUBION FOR CANADA CHARACTER SECURITIES MAY CODE FOR DANK ORDER BOOK TRACES
Column	UNITED KINGDOM GB	BART BCRN	m S	CECE EUROPE - REGULATED MARRET INTEGRATED BOOK	CROE REGM LIT	LONDON	WWW.MARKETS.COCE.COM/EUROPE/EQUITES/OVERVIEW/	DECEMBER 2017	ACTIVE	JUNE 2016	CADO CILLIDAD - REQUIRED BANKS AS CADO CADO CADO CADO CADO CADO CADO CADO
	UNITED KINGDOM GB	BASI BANA BATD BCXE	n S S	MANK UP ANNANIA, NATIONAL ASSOCIATION - LONDON BRANCH OFFICE - SYSTEMATIC INTERNALISER CROS EUROPE - BKS DARK ORDER BOOK	MANA LONDON CROE DARK	LONDON	WWW.MARKETS.CROE.COM/EUROPE/EQUITIES/OVERVIEW/	DECEMBER 2017 DECEMBER 2017	ACTIVE	DECEMBER 2017 JANUARY 2013	YESTIANOVILEN TREMULIANE. TO DELE UED OF DES REPORTING DANS ROCK DECUTIONS.
	UNITED KINGDOM GB UNITED KINGDOM GB	BATE BCSE	E S	CRICE EUROPE - RICE OFF-ROOK	CROE EUROPE CROE OFF-BOOK	LONDON	WWW.MARKETS.CROE.COM/EUROPE/EQUITIES/OVERVIEW/ WWW.MARKETS.CROE.COM/EUROPE/EQUITIES/OVERVIEW/	DECEMBER 2017 DECEMBER 2017	ACTIVE ACTIVE	NOVEMBER 2008 APRIL 2013	MANUFACTURE TRADMING ACCULITY FOOD CODE OTIONITIES. CLOOR CLAUDING BEING FRANCE THAN SERVICES.
	UNITED KINGDOM GB UNITED KINGDOM GB	BATP BCXE BBSI BPLC	S S	CRICE EUROPE - RICE PERIODIC BARCLAYS BANK PLC - SYSTEMATIC INTERNALISER	BRE PERIODIC BBPLC S	LONDON		OCTOBER 2017	ACTIVE ACTIVE	OCTOBER 2017	TO DE USO FOR INSCUTIONS FROM TIGOS BY AUCTIONS GOOK. SYSTEMATIC INTERNIEUR.
	UNITED KINGDOM GB UNITED KINGDOM GB	BRSX BRSX BCRM BCRM	6 0 M 0	88 SECURITIES LTD CRICE EUROPE REGULATED MARRETS		LONDON		SEPTEMBER 2019 DECEMBER 2017	ACTIVE ACTIVE	SEPTEMBER 2019 MAY 2017	CEOC ESCAUATIO MARRETS.
	UNITED KINGDOM GB UNITED KINGDOM GB	809 809. 809. 809.	. S	BARCLAYS CARTAL SECURITIES LIMITED - SYSTEMATIC INTERNALISER BARCLAYS CARTAL SECURITIES LIMITED	BCSLSI BCSL	LONDON	WWW.BARCLAYS.COM	OCTOBER 2017 OCTOBER 2017	ACTIVE ACTIVE	OCTOBER 2017 OCTOBER 2017	SYSTEMATIC INTERNALISER.
	UNITED KINGDOM GB UNITED KINGDOM GB	BCS BCS STEE STEE	. 0	CROS EUROPE EQUITIES BET OTC BILAT COMMODITY DERIVATIVES	CROE EUROPE RET	LONDON	WWW.MARKETS.CROC.COM/EUROPE/EQUITIES/OVERVIEW/ WWW.EP.COM/EN/GLOBAL/TENDING/	DECEMBER 2017 FEBRUARY 2019	ACTIVE ACTIVE	APRIL 2013 FEBRUARY 2019	PARK QUEDFARM RECORDING INNECTMENT EXCHANGE. OF COMMANDED TRESHVETS CORN RECEIVED FOR FIRM NO ELECTRONIC PLATFORM.
	UNITED KINGDOM GB	96CB 96CI	s s	BGC BROXERS LP - TRAYFORT		LONDON	WWW.BCPARTNERS.COM	FEBRUARY 2014 OCTOBER 2007	ACTIVE	FEBRUARY 2004 OCTOBER 2007	
	UNITED KINGDOM GB	BGCO BGCI	5	BGC BROXERS LP - OTF	acru	LONDON	WWW.BGDPARTNERS.COM	OCTOBER 2017	ACTIVE	OCTOBER 2017	ORGANISCO TRACINES DECLUTY.
	UNITED KINGDOM GB	BGUK BGUK	K 0	BERENBERG - SYSTEMATIC INTERNALISER UK	BOTA	LONDON	WWW.BERENBERG.COM	APRIL 2019	ACTIVE	APRIL 2019	SYSTEMATIC PROBRAMENTS FOR HOLD INCLUDE U.K.
	UNITED KINGDOM GB	BALF BALN	N 5	BNY MELLON - SYSTEMATIC INTERNALISER	SNYM	LONDON	WWW.EUCHLCOM	SEPTEMBER 2017	ACTIVE	SEPTEMBER 2017	GOR BY SHEMALE INCLUDENCES OF THE SHEMAL SHE
	UNITED KINGDOM GB UNITED KINGDOM GB	BUN BENE CHEV	v s	BNY MELON INTERNATIONAL - LONDON BRANCH BLINK MTF	SNYM	LONDON	WWW.CHEUNRELIX.COM	SEPTEMBER 2017 SEPTEMBER 2009	ACTIVE	SEPTEMBER 2017 SEPTEMBER 2009	CQUITIES CROSSING, EQUITIES CHARK POOL, PAN-GUROPAAN EQUITIES.
	UNITED KINGDOM GB	BLOK XIEL BLTX BALT	s r s	BLOCKMATCH DARK BALTEX - FREIGHT DERIVATIVES MARKET		LONDON	WWW.BALTICEKOWNGE.COM	JULY 2013	ACTIVE	JULY 2013	PINCE SERVICINCE MANAGE SYSTEM. MET SORI LECTRONIC TRACING SYSTEM. MET SORI LECTRONIC TRACING SO FREIGHT DERIVATIVES
Column	UNITED KINGDOM GB UNITED KINGDOM GB	BMCM SMCS SMLS SMLS	M 0	BANK OF MONTREAL - LONDON BRANCH - SYSTEMATIC INTERNALISER	ST BMO	LONDON	WWW.BMDCM.CDM	AUGUST 2008	ACTIVE	AUGUST 2018	SYSTEMATIC INTERNALISER.
	UNITED KINGDOM GB UNITED KINGDOM GB	BMTF BMTF	F 0	BLOOMBERG TRADING FACILITY LIMITED BLOCKMATCH MTF NT		LONDON	WWW.BLOOMBERG.COM WWW.INSTINET.COM	JUNE 2015 NOVEMBER 2017	ACTIVE ACTIVE	JUNE 2015 NOVEMBER 2017	BLOOMERO'S MULTI-ATRIAL TRACING FACUITY NGCOTATOT BONG WAYER SYSTEM
	UNITED KINGDOM GB UNITED KINGDOM GB	BOAL BANA BOAT BOAT	A S	BANK OF AMERICA, NATIONAL ASSOCIATION - LONDON BRANCH OFFICE CINNOBER BOAT		LONDON	WWW.BOFANL.COM/EMEA WWW.CINNOBER.COM/BOAT-TRADE-REPORTING	NOVEMBER 2017 SEPTEMBER 2014	ACTIVE ACTIVE	NOVEMBER 2017 JUNE 2008	OTC EQUITIES TRACE REPORTING PLATFORM
	UNITED KINGDOM GB UNITED KINGDOM GB	BOFS BOFS BOSC BOSC	s 0	BANK OF SCOTLAND PLC - SYSTEMATIC INTERNALISER BONDSCAPE		EDINBURGH LONDON	WWW.BANKOPSCOTLAND.CO.UK WWW.BONDSCAPE.NET	OCTOBER 2017 NOVEMBER 2007	ACTIVE ACTIVE	OCTOBER 2017 NOVEMBER 2007	SYSTEMATIC INTERNALISER.
	UNITED KINGDOM GB UNITED KINGDOM GB	BOTC BCKE BPLC BPLC	S 0	OFF EXCHANGE IDENTIFIER FOR OTC TRADES REPORTED TO CIDIO EUROPE BARCLAYS BANK PLC	CBOE OFF EXCHANGE BBFLC	LONDON	WWW.MARCESCOM/EUROPE/EQUITIES/OVERNEW/ WWW.BARCER/SCOM	DECEMBER 2017 OCTOBER 2017	ACTIVE ACTIVE	AUGUST 2013 OCTOBER 2017	OF EXCHANGE IDENTIFIER FOR CIT TRACES REPORTED TO CROSS EUROPS.
	UNITED KINGDOM GB	BRFQ XIEL BRGA BRGA	. S	BLOCKMATCH MTF RFQ BRYAN GARNIER AND CO LIMITED		LONDON	WWW.INSTINET.COM WWW.INSTINET.COM	NOVEMBER 2017 NOVEMBER 2018	ACTIVE ACTIVE	NOVEMBER 2017 NOVEMBER 2018	REQUEST FOR QUIDTE SYSTEM SQUISES FOR QUIDTE
	UNITED KINGDOM GB	BRNX BRNX	x 0	BERNSTEIN CROSS (BERN-N) BANCO SANTANDED LONDON BRANCH, SYSTEMATIC INTERNALISED		LONDON	WWW.ALIANCEERNSTEIN.COM	MAY 2004 NOVEMBER 2009	ACTIVE	MAY 2014 MOVEMBER 2019	INTERNAL COCKING FOR SERVICINE VYTERNAL COCKING FOR SERVICINE
Column	UNITED KINGDOM GB	2278 2278	. 0	BROKERTEC EUROPE LIMITED - ALL MARKETS	gew en	LONDON	WWW.BROKERTEC.COM/	JULY 2017	ACTIVE	OCTOBER 2008	TO COMMON TO THE PARTY OF THE P
	UNITED KINGDOM GB	STOG STEE	5	BROKERTEC EUROPE LIMITED - RFQ TRADING PROTOCOL	BEM	LONDON	WWW.BROKETEC.COM/	MAY 2009	ACTIVE	MAY 2019	VIL COMMONT I ANY PRINTED CORE BENCHMAN OF THE PORT TO A MAN THAT THE PORT TO A MAN
	UNITED KINGDOM GB	BVUK XMTS	5 5	BONDASON UK		LONDON	WWW.MISSARRETS.COM	JULY 2014	ACTIVE	JULY 2004	ELECTRONIC TRADNIC PLATFORM FOR COVIES AND NON COVIES
	UNITED KINGDOM GB	CBNL CBNL		CITIBANK N.A. LONDON		LONDON	WWW.GTGROUP.COM/CIT	APRIL 2019	ACTIVE	DECEMBER 2017	ASSIDANCE OF REMANDERS AND WHITE
	UNITED KINGDOM GB	COME COME	B. 0	CONTINENTAL CAPITAL MARKETS LIMITED - OTF	CONTICAP OTF	LONDON	WWW.CONTICAP.COM	JULY 2017	ACTIVE	JULY 2017	SYSTAMONIC IN INERPROJECT. ORGANIZACI POLINICA GENERALITY.
	UNITED KINGDOM GB	CEPU CEPU	0	CITIBANK EUROPE PLC - LONDON BRANCH		LONDON	WWW.CHIGROUP.COM/CHI	MARCH 2009	ACTIVE	MARCH 2019	SYSTEMATIC INTERNALISER.
	UNITED KINGDOM GB	CGMC CGMC	is is	CITIGROUP GLOBAL MARKETS SUMITED - EMEA UIQUIDITY HUB CITIGROUP GLOBAL MARKETS SUROPE AG - LONDON BRANCH - SYSTEMATIC INTERNALISER		LONDON	WWW.GTIGROUP.COM/CTT	APRIL 2019	ACTIVE	APRIL 2019	REGISTRED MARKET FOR TRUTTES. SYSTEMATIN TREASURES.
	UNITED KINGDOM GB UNITED KINGDOM GB	CGML CGML CGMT CGML	E O	CTIGROUP GLOBAL MARKETS LIMITED - EMEA TRADING		LONDON	WWW.CITIGROUP.COM/CITI	NOVEMBER 2017 NOVEMBER 2017	ACTIVE ACTIVE	NOVEMBER 2017 NOVEMBER 2017	RECISTED MAKET FOR CRUITES. RECISTED MAKET FOR CRUITES.
	UNITED KINGDOM GB UNITED KINGDOM GB	CGMU CGMU	tL S	CITI MATCH GB CONTRA LIQUIDITY CA CHELLYREUX		LONDON	WWW.CHEUREUX.COM	NOVEMBER 2019 JUNE 2012	ACTIVE ACTIVE	MARCH 2012 JUNE 2012	
Property	UNITED KINGDOM GB UNITED KINGDOM GB	CHD BCK	E S	CROS EUROPS - OX OFF-ROOK CROS EUROPS - OX OFF-ROOK	CKE DARK CKE OFF-BOOK	LONDON	WWW.MARKETS.CROE.COM/EUROPE/EQUITIES/OVERWEW/ WWW.MARKETS.CROE.COM/EUROPE/EQUITIES/OVERWEW/	DECEMBER 2017 DECEMBER 2017	ACTIVE ACTIVE	JANUARY 2013 APRIL 2013	TO SE USO FOR REPORTING DARK ROOK ENCLUTIONS. CORE ELEMENT—ON—OF SHOOK THEOREM SERVICES.
	UNITED KINGDOM GB UNITED KINGDOM GB	CHIX BCNE	S 0	CROE EUROPE - OX ORDER BOOKS CANADIAN IMPERIAL BANK OF COMMERCE - SYSTEMATIC INTERNALISER	CBOE EUROPE CIBC	LONDON	WWW.MARKETS.CROC.COM/EUROPE/EQUITIES/OVERWEW/ WWW.CIECWIA.COM	DECEMBER 2017 SEPTEMBER 2018	ACTIVE ACTIVE	OCTOBER 2007 SEPTEMBER 2018	MANULATERAL TRADING FACILITY FOR LOGAL EQUITIES. SYSTEMACH CHERRALISER.
Property Property	UNITED KINGDOM GB UNITED KINGDOM GB	CIEP CIEP	0 4 S	CIRC WORLD MARKETS PLC - SYSTEMATIC INTERNALISER LCHLTD - CROSS NETTING	CIRC WM PLC	LONDON	WWW.LCR.COM	SEPTEMBER 2018 DECEMBER 2019	ACTIVE ACTIVE	SEPTEMBER 2018 DECEMBER 2019	SATEMANIC INTERNALISER.
	UNITED KINGDOM GB UNITED KINGDOM GB	CIVE CIVE	0 2 2	VERTO MITE CME CLEARING EUROPE	CME	LONDON	WWW.CATLENANCOM WWW.CMECLEARINGEUROPE.COM	APRIL 2019 FERRUARY 2004	ACTIVE ACTIVE	APRIL 2019 DECEMBER 2011	MULTILATEM TRADMIS FACILITY EUROPEAN CLIENT
	UNITED KINGDOM GB UNITED KINGDOM GB	OMEE CMEE	o at	CME EUROPE CLEAR MARKETS EUROPE LIMITED	CME	LONDON	WWW.CNEGROUP.COM WWW.CLEAR-MARKETS.COM	JANUARY 2013 DECEMBER 2014	ACTIVE ACTIVE	JANUARY 2013 DECEMBER 2014	MTF ROSITIES OWN DECUTION HALITY
	UNITED KINGDOM GB UNITED KINGDOM GB	CRYP CRYP	P 0	CRYPTO FACILITIES CREDIT SUSSE ALS EUROPE BENCHMARK CRIDES	CF	LONDON	WWW.CRIPTOFACILITIES.CO. UK WWW.CRIDIT-SUISSE.COM	JUNE 2016 APRIL 2017	ACTIVE ACTIVE	JUNE 2016 APRIL 2017	SIGIRA, ASSETS TRAINING PLATFORM.
	UNITED KINGDOM GB UNITED KINGDOM GB	CSCF CSEU	J 5	CREDIT SUBSE AES CROSSFINDER EUROPE CITADEL SECURITIES FI - SYSTEMATIC BYTERNALISER		LONDON	WWW.CREDIT-SUISSE.COM WWW.CITADILSECURITIES.COM	AUGUST 2012 NOVEMBER 2017	ACTIVE ACTIVE	AUGUST 2012 NOVEMBER 2017	SYSTOACH INTERNALISER.
	UNITED KINGDOM GB	CSEU CSEU		CREDIT SUSSE (EUROPE) CREDIT SUSSE (INTERNATIONAL	CSI	LONDON	WWW.CREDIT-SUISE.COM	SEPTEMBER 2012 AUGUST 2017	ACTIVE ACTIVE	SEPTEMBER 2012 AUGUST 2017	
	UNITED KINGDOM GB	CSA CSA		CREDIT SUBSE AG - LONDON BRANCH CREDIT SUBSE INTERNATIONAL - SISTEMATIC INTERNALISER	CSAGLESI CSISI	LONDON	WWW.CREDIT-SUISE.COM	DECEMBER 2017 AUGUST 2017	ACTIVE ACTIVE	DECEMBER 2017 AUGUST 2017	SSTEAMIC INTERNALISE. SSTEAMIC INTERNALISE.
Part	UNITED KINGDOM GB UNITED KINGDOM	COOT IFEU	, s	CREDITEX BROKERAGE LLP - OTF CREDITEX BROKERAGE LLP - MTF		LONDON	WWW.THDCC.COM/SERVICE/CREDITEX WWW.CREDITEX.COM	APRIL 2017 MARCH 2017	ACTIVE ACTIVE	MARCH 2017 SEPTEMBER 30**	ELECTRONIC MANUST FOR INDICE PRODUCTS. ELECTRONIC MANUST FOR INDICE PRODUCTS. ELECTRONIC MANUST FOR INDICE PRODUCTS. ELECTRONIC MANUST FOR INDICE PRODUCTS. CERT IN MISSION FOLK-TIVATIO PRODUMENT 2014 TO 26 MANUSEY 2014
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	UNITED KINGDOM GB UNITED KINGDOM GB	ECHO ECHO ECSL ECSL	0 0	LONDON STOCK DICHANGE - APA ENTERBRISE COMMANDUTY SERVICES I MATTED		LONDON	WWW.ENTERPRISECOMMODITY.COM	AUGUST 2017 OCTOBER 2018	ACTIVE ACTIVE	AUGUST 2017 OCTOBER 2018	APPROVED PUBLICATION ARRANGEMENT (APPA).
	UNITED KINGDOM GB UNITED KINGDOM GB	2013 2013 2017 XU3	. O	ESTATES AND INFRASTRUCTURE ENCHANGE ELINGUM		LONDON	WWW.TRACITION.COM	APRIL 2019 APRIL 2016	ACTIVE ACTIVE	MARCH 2019 APRIL 2016	INSTRACTUCTURE TRADIENT PARTORMA. PARTORMAN DES REACHES PRANCIANCES TRANSPACETIONS.
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Second S	UNITED KINGDOM GB UNITED KINGDOM GB	ENSY XLDN EQLD EQUA	N S	EURONEXT SYNAPSE EQULENO EUROPE LIMITED		LONDON	WWW.EQUICNO.COM WWW.EQUICNO.COM	JULY 2017 AUGUST 2013	ACTIVE ACTIVE	AUGUST 2013	INSE DI KOME MET PAME AT SALITY MALIFILATION ACALITY
STEEL COUNTY STEE	UNITED KINGDOM GB	DISC DISC	3 5	EXAMS BNP PARIBAS - BID-OFFER CROSSING EXAMS BNP PARIBAS - CITICANG SBITS		LONDON	WWW.EXMECOM	JULY 2015	ACTIVE	JULY 2005	BILD OFFICE CODDING INTROMET TO A COPASTED BY EARLY BAP PAGES. REFER THE GROWNED THAT IS SHOWN DEPOT A PROPERTY OF THE FACE OF THE SHOWN DEPOT AND THE SHOWN DEPOT THE SHOWN DEPOT AND THE SHOWN DEPOT AND THE SHOWN DEPOT THE SH
	UNITED KINGDOM GB	DEC DEC		DIANE BNP PARIBAS - DRECT CAPITAL ACCESS TYANG BNP PARIBAS - DRECT CAPITAL ACCESS	DOC DOU	LONDON	WWW.EXWIE.COM	SEPTEMBER 2016	ACTIVE ACTIVE	SEPTEMBER 2016	TORS ATTICL LIFE CONTROL THE CONTROL MACHINERANCE AND ANALYSIS OF THE ANALYSIS
	UNITED KINGDOM GB	DIED DIED	J 5	DIANG BNP PARIBAS - LIQUIDITY PROVISION	DEP	LONDON	WWW EXWE COM	SEPTEMBER 2016	ACTIVE	SEPTEMBER 2016	CONTRACTOR OF THE SALES OF THE
	UNITED KINGDOM GB	DIMP DIEU DIOR DIEU	J S	DIANE BNP PARIBAS - MID POINT DIANE BNP PARIBAS - CHILD ORDER CROSSING	EXAME BNP PARIBAS	LONDON	WWW.EXME.COM	AUGUST 2005	ACTIVE ACTIVE	JULY 2005 JULY 2005	EUROPEAN MED POINT CROSSING NETWORK OF GENERAL TO BE YEAR EMP PRIMISE. SOMANT CROSSES ROUTING CROSSING NETWORK OF GENERAL TO BE YEAR OF THE YEAR
MIT MADE 1	UNITED KINGDOM GB UNITED KINGDOM GB	TORA TORA	T O	EXCITIX CAPITAL - OTF EXANG BNP PARIBAS - GB - SISTEMATIC INTERNALISER		LONDON	WWW.EXMECOM	AUGUST 2017 OCTOBER 2017	ACTIVE ACTIVE	AUGUST 2017 JULY 2015	OBLIGHED TRADING FACEUR (FOT) COST IT THE DESTRUME FACEUR FOR COLUMN CONTROL OF THE SYSTEMATIC INTERNALISES REGIME BY EXAME EMP PARRIES.
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STEE BARDER	UNITED KINGDOM GB UNITED KINGDOM GB	PISU RSU FNUK FNUK	K 0	FREIGHT INVESTOR SERVICES LIMITED	RS	LONDON	WWW.FREIGHTINVESTORSERVICES.COM	SEPTEMBER 2017 APRIL 2019	ACTIVE ACTIVE	SEPTEMBER 2017 APRIL 2019	INTERQUENCE BROKEN FOR DECIMANT PRACED DERIVATIVES CONTRACTS. SYSTEMATIC INTERNELISE.
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	UNITED KINGDOM GB UNITED KINGDOM	GFBM GFIS	S .	GFI BROKES - OTF		LONDON	WWW.GRIGROUP.COM	OCTOBER 2017 OCTOBER 2017	ACTIVE ACTIVE	OCTORER 2017 OCTORER 2017	MAIL SULFERM TRANSPER CALLIFF. MORNING TO PROTECT.
VALUE OF THE STATE OF THE STA	UNITED KINGDOM GB	GPIS GPIS		GF BROKERS GG SCHIBRIDS LTD		LONDON	WWW.GRIGROUP.COM	OCTORER 2017 DECEMBED 2017	ACTIVE	OCTOBER 2017	
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UNITED KINGDOM GI	SO COUNTRY COOK (SO 2164) MIC OFFRATING MIC	O/S NAME-INSTITUTION DESCRIPTION GOT RATESMATCH	ACRONYM	LONDON	WWW.GRGROUP.COM WWW.GRGROUP.COM	APRIL 2014	ACTIVE	SEPTEMBER 2010	ELECTIONIC PLATFORM FOR TRADING INTEREST ANT CERVATIVES.
UNITED KINGDOM GP	1	OF STATEMENT OF ST		LONDON	WWW.GRIGROUP.COM	OCTOBER 2017 OCTOBER 2017	ACTIVE	OCTOBER 2017 OCTOBER 2017	LICE CENTRO PE ANTIONATION TENDEM STREET ANT DESENVITYS. AND AND ANTIONAL PROPERTY AND DESENVITYS. AND AND ANTIONAL PROPERTY AND A
UNITED KINGDOM GB UNITED KINGDOM GB	GMEG GMEG	GMEXIDOWNEE CONTROLLING	GMEX GMG.DN	LONDON	WWW.GREGOLP.COM WWW.GMEX-GROUP.COM WWW.GMEX-GROUPS.COM	MAY 2006	ACTIVE	JUNE 2013	ORIGINATE TRADING ENCLUET. MITTER DE CERUNATS AND SECURITS
UNITED KINGDOM GF	EB GRIF GRIF	GRIFIN MARKETS LIMITED	GROLLIN	LONDON	WWW.LGLE-BOALSECTION WWW.LGLE-BOALSECTION WWW.AGREFINANGET.COM WWW.AGREFINANGET.COM	OCTORER 2012	ACTIVE	OCTORER 2012	TRADING VENUE FOR DUROPPAN ENERGY MARKETS.
UNITED KINGDOM GB UNITED KINGDOM GI	ia GRIO GRIF	GRIFFIN MARKETS LIMITED - OTF THE GREEN STOCK EXCHANGE - ACB IMPACT MARKETS	GSE	LONDON	WWW.ACBIMPACTMARKETS.COM	FEBRUARY 2017 JULY 2014	ACTIVE	FEBRUARY 2017 JULY 2014	CASIFIE DELIGNATO TRADANS FACILITY. MARRITHANCE DELIGNATIVE SCIUNTIFIE SECURITIES SECURITIES SECURITIES (SECURITIES)
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MATTER BASSON C	B GSS GSL 1	GOLDMAN SACHS INTERNATIONAL - SYSTEMATIC INTERNALISER MUNICIPAL PROPERTY INC. SYSTEMATIC INTERNALISER		LONDON	WWW EDGORMANCH COMMET WWW REGION THORSE COM WW REGION THORSE COM WRITTEN	OCTOBER 2016	ACTIVE	OCTOBER 2016	SECTION CONTINUES SYMMET REPORTS SYMMET REPORTS SYMMET REPORTS SYMMET REPORTS SYMMET S
UNITED KINGDOM GF	a HSac HSac I	D HEEC - SYSTEMATIC INTERNALISER	HSBC SI IBA	LONDON	WWW.HSECNET.COM	AUGUST 2017	ACTIVE	AUGUST 2017	SYSTEMATIC INTERNALISER.
UNITED KINGDOM GE UNITED KINGDOM GE	B IEAL ISAL I	D ICE BENCHMARK ADMINISTRATION D ICAP ENERGY - OTF	IBA .	LONDON	WWW.THEICE.COM/IBA WWW.ICAP.COM	NOVEMBER 2017	ACTIVE	NOVEMBER 2017	INDEPENDENT SUBSEMENT OF THE ECT, RESPONSELE FOR THE END-TO-END ADMINISTRATION OF SERVICIONARIES.
UNITED KINGDOM GR	EB ICPM ICPM	D TP ICAP LIKMITE ICAP ENERGY LTD OTF - COMMODITIES AND ENERGY DERIVATIVES		LONDON	WWW.TCAP.COM WWW.TICAP.COM	PERRUARY 2029 NOVEMBER 2017	ACTIVE	NOVEMBER 2017	MAILURENT TRADING FACULTY. OF FOR THE TRADING COMMODITIES AND DIRECT SERVATIVES.
UNITED KINGDOM GP	a IFEN IFEU :	ICE RUTURES EUROPE - OIL AND REFINED PRODUCTS DIVISION		LONDON	WWW.THDICE.COM	DECEMBER 2013 DECEMBER 2013	ACTIVE	OCCEMBER 2013 OCCORD 2011	ELECTRONE PLATFORM TO TRACE BUTURES AND OPTIONS PRODUCTS. ELECTRONE BUTOMATO TRACE BUTURES AND OPTIONS ROPOLICES. ELECTRONE BUTOMATO TRACE BUTURES AND OPTIONS ROPOLICES.
UNITED KINGDOM GF	in IRL FEU	KE RUTURES EUROPE - RNANCIAL PRODUCTS DIVISION		LONDON	WWW.THDCS.COM	DECEMBER 2013	ACTIVE	DECEMBER 2013	ELECTRONIC PLATFORM TO TRIVER FUTURES AND OFFICING PRODUCTS.
UNITED KINGDOM GF	B IRS FLS	D SWAPKECUTE		LONDON	WWW.INTLECSTONE.COM	SEPTEMBER 2017	ACTIVE	SEPTEMBER 2017	ORAMISTS THANKS AND THE PROPERTY OF THE PROPER
UNITED KINGDOM GE UNITED KINGDOM GF	B IRX IFEU :	I CE PUTURES EUROPE - AGRICULTURAL PRODUCTS DIVISION I CE PUTURES EUROPE - EUROPEAN UTILITIES DIVISION		LONDON	WWW.THEICE.COM	DECEMBER 2013	ACTIVE	DECEMBER 2013	ELECTRONIC PLATIONAN TO TRACE UTURES AND OPTIONS PRODUCTS. ELECTRONIC PLATIONAN TO TRACE UTURES AND OPTIONS PRODUCTS.
UNITED KINGDOM GP UNITED KINGDOM GP	SB IGOL IGOL I	D ICAP GLOBAL DERIVATIVES LIMITED TP ICAP LIKMTE - CASH SOUTY		LONDON	WWW.TPCAP.COM/WHAT-WE-DO/DUR-MIFID-II-VENUES/ICAP-GLOBAL-DERIVATIVES-MIT-ASPX WWW.TPCAP.COM	FEBRUARY 2018 FEBRUARY 2019	ACTIVE	NOVEMBER 2016 OCTOBER 2017	MITTYPE FOR THE TRADRIC OF INTEREST AND EXPRIANTIVES. MALTILLATER TRADRIC SPACITY DE COGNICIONITY.
UNITED KINGDOM GP	B IMED ICPM	TP ICAP UKMTE - EQUITY DERIVATIVES TO ICAP UKMTE - EVOLUNGE TOLOGO BRODULTTS		LONDON	WWW.TPICAP.COM	FERRUARY 2029 FERRUARY 2029	ACTIVE	OCTORER 2017	MURILATIBAL TAHANIA SALUTY DOR LOGISTY DORNATIVES. MINI THA TERM TAHANIA SALUTY DOR LOGISTY DORNATIVES.
UNITED KINGDOM GF	a IMFO ICPM	TP ICAP UK MTS - FX DERIVATIVES		LONDON	WWW.TPICAP.COM	FEBRUARY 2019	ACTIVE	OCTOBER 2017	MILL TILLATERAL TRACHING SACILITY FOR RX CERWATIVES.
UNITED KINGDOM GF	a ING KPM	TP ICAP LIKMIT - GUTS TP ICAP LIKMIT - GUTS		LONDON	WWW.ICAP.COM	FERRUARY 2029	ACTIVE	OCTORER 2017	MICHIANIDAL PROMOS PACIFITY FOR GATS. MICHIANIDAL PROMOS PACIFITY FOR GATS.
UNITED KINGDOM GE UNITED KINGDOM GE	E IMMM KPM	TP ICAP LIKMITE - MONEY MARKET INSTRUMENTS TP ICAP LIKMITE - INTEREST RATE DERIVATIVES		LONDON	WWW.TPCAP.COM WWW.TPCAP.COM	FEBRUARY 2029 FEBRUARY 2029	ACTIVE	OCTOBER 2017 OCTOBER 2017	MALETALTIBAL TEACHING PACALITY FOR MONTHAL WARGET INSTRUMENTS. MALETALTIBAL TEACHING PACALITY FOR MONTHESE THAT CORRESPONDED. MALETALTIBAL TRANSPONDED. MALETALTIBAL TRANSPOND
UNITED KINGDOM GB UNITED KINGDOM GF	in IMSR ICPM :	TP ICAP LIK MITF - CORPORATE BONDS AND SECURITIES DEBT D INTEGRAL MITF		LONDON	WWW.THCAP.COM WWW.INTEGRALMTF.COM	FEBRUARY 2019 FEBRUARY 2018	ACTIVE	OCTOBER 2017 NOVEMBER 2017	MULTELATER TRANSPORT SACIETY FOR CORPORATE BOYNDS AND SECURITISED CHEET. MULTELATER TRANSPORT SACIETY FOR CORPORATE BOYNDS AND SECURITISED CHEET. MULTELATER TRANSPORT SACIETY FOR CORPORATE BOYNDS AND SECURITISED CHEET.
UNITED KINGDOM GP UNITED KINGDOM GP	B INVE INVE I B IOCO IOTF	D INVESTEC BANK P.C SYSTEMATIC INTERNALISER I CAP SECURITIES OTF - CREDIT DEPINATIVES		LONDON	WWW.TICAP.COM	SEPTEMBER 2017 NOVEMBER 2017	ACTIVE	SEPTEMBER 2017 NOVEMBER 2017	SYSTEMATIC INTERNALISES - LIVET IN JANUARY 2008. OTF 50TH THE JANUAGE OF CREET DERIVATIVES.
UNITED KINGDOM GP	a 100 10TF	CAPSICURITIES OTF - EQUITY DERIVATIVES		LONDON	WWW.TICAP.COM	NOVEMBER 2017	ACTIVE	NOVEMBER 2017	OTF FOR THE TRANSPORT OF EQUITY DEPOYATIVES.
UNITED KINGDOM GF	B IOFX IOTF	ICAP SECURITIES OFF - EX DERIVATIVES		LONDON	WWW.TICAP.COM	NOVEMBER 2007	ACTIVE	NOVEMBER 2017	OFF POR THE INCLUDED OFF OR CONTROL AND
UNITED KINGDOM GE	a 106 101F	E ICAP SECURITIES OTF - GOVERNMENT BONDS - UK GLTS		LONDON	WWW.TICAP.COM	NOVEMBER 2017	ACTIVE	NOVEMBER 2017	OFF DAY THE FAMOUR OF CONTRIBUTION SECTIONS OF GETS. OFF FOR THE FAMOUR OF CONTRIBUTION SECTIONS OF GETS.
LIMITED RECORDED GO LIMITED RECORDED GO GO LIMITED RECORDED GO	I IOR IOTF	ILAP SECURITIES OTF - INTEREST RATE DERIVATIVES ICAP SECURITIES OTF - MONEY MARKET INSTRUMENTS		LONDON	WWW.TPICAP.COM	NOVEMBER 2017 NOVEMBER 2017	ACTIVE	NOVEMBER 2017 NOVEMBER 2017	MARIA TRANSPORT MICHAEL TO AN ORDER TO AND ORDER TO AN ORDER TO AN ORDER TO AND ORDER TO AND ORDER TO AN ORDER TO AND ORDER TO
UNITED KINGDOM GE UNITED KINGDOM GF	B IOTC NEL :	INSTINCT EUROPE LIMITED OTC D ICAP SECURITIES - OTF		LONDON	WWW.INSTINIT.COM WWW.ICAP.COM	NOVEMBER 2017 NOVEMBER 2017	ACTIVE ACTIVE	NOVEMBER 2017 NOVEMBER 2017	
UNITED KINGDOM GE UNITED KINGDOM	B IPSX IPSX I	D PSX I PSX PSME	PSX PSX PSX ICRCS	GUILDFORD GUILDFORD	WWW.PSX.COM	APRIL 2018 SEPTEMBER 2014	ACTIVE	NOVEMBER 2017 SEPTEMBER 2017	RECEITED MANTE FOR ROMANICAL PROPERT (CONT. RECEITED MANTE FOR ROMANICAL PROPERT (CONT.) RECEITED MANTE FOR ROMANICAL ROMANI
UNITED KINGDOM GF	B IPW IPS	PSXWHOLESALE I YOU CTANDAGO DANY - CYCTEMATIC INTERNALICED	IPSX ICDC*	GUILDFORD	WWW.IPSCCOM	MARCH 2009	ACTIVE	MARCH 2019	REGISTREND MANEET FOR EQUITIES IN COMMERCIAL HOUSITY.
UNITED KINGDOM GF	B ISWA ISWA I) ISWA	1,00,0	LONDON	WWW.I-GWAP.COM	JANUARY 2012	ACTIVE	JANUARY 2012	AUTHORAZIO MIS FOR OF EURO INTEREST FAATE SWIPS.
UNITED KINGDOM GP UNITED KINGDOM GI	B ISWA ISWA	I SWAP ORDER BOOK		LONDON	WWW.I-SWR.COM	NOVEMBER 2017 OCTOBER 2017	ACTIVE	NOVEMBER 2017 OCTOBER 2017	ENTARGUE (P. ED VADUUS AUGUS)
UNITED KINGDOM GP UNITED KINGDOM GP	B ISWE IGEL ISWA ISWA	CAP GLOBAL DERIVATIVES LIMITED - ELECTRONIC I SWAP TARGETED STREAMING/RFQ		LONDON	Week THE COLD THE COL	PERRUARY 2018 OCTOBER 2017	ACTIVE	OCTOBER 2017	MIT/JESF FOR THE TRANSMIC OF INTEREST RAFT CORRIVATIVES—CLOR.
UNITED KINGDOM GE UNITED KINGDOM G	B ISWV ISSE.	KAP GLOBAL DERIVATIVES LIMITED - VOICE KAP LIK OTF - ORDERBOOK		LONDON	WWW.ICAP.COM/WHAT-WE-DO/DUR-MARKETS-AND-PRODUCTS/PRODUCTS/INCOUNT-LONG-TERM-INTEREST-BATE-SWAPS-AGPX WWW.TPICAP.COM	PERRUARY 2018 NOVEMBER 2019	ACTIVE	DECEMBER 2017 NOVEMBER 2019	MITS/SET FOR THE TRADING OF INTEREST ANT CORMINATIVES - VOICE / SEQ.
UNITED REACOM	B (EFS 1/S)	CERTIFICATION CONTRIBUTION CONT		SORGE	WARD ACCOMPANIES OF CONTRACTORS AND ADMINISTRATION ADMINISTRATION AND ADMINISTRATION AND ADMINISTRATION AND ADMINISTRATION AND ADMINISTRATION AND ADMINISTRATION AND ADMINISTRATION ADMINISTRATION AND ADMINISTRATION ADMINISTRATION AND ADMINISTRATION ADMINISTRATION AND ADMINISTRATION AND ADMINISTRATION A	DECEMBER 2017	ACTIVE	DECEMBER 2017	SYSTEMATIC INTERNALISER.
UNITED KINGDOM GF	a IPCB IPCB	D IPMORGAN CHASE BANK N.A. LONDON BRANCH		LONDON	WWW.IPMORGAN.COM	DECEMBER 2017	ACTIVE	JUNE 2017	
UNITED KINGDOM GP	B 199 199 18 199 199	2 12- MUNILAN SECURITIES PLC D JANE STREET RIMANCIAL LTD - SYSTEMATIC INTERNALISER	25F	LONDON	WWW.JANESTREET.COM	JANUARY 2017 JANUARY 2018	ACTIVE	JANUARY 2017 AUGUST 2017	SYSTEMATIC REPRESENTATION OF THE PROPERTY OF T
UNITED KINGDOM GP UNITED KINGDOM GP	8 KSLM KSLM I	D KYTE BROKING LIMITED D KNIGHT LINK EUROPE		LONDON	WWW.XNIGHT.COM	NOVEMBER 2017 APRIL 2009	ACTIVE	NOVEMBER 2017 APRIL 2009	SIGNAME OR TRANSPARE STORMER O
UNITED KINGDOM GE UNITED KINGDOM G	B LECM LECM I	ULDIDS BANK CORPORATE MARKETS – SYSTEMATIC INTERNALISER CURRENEX LORX	CKLDEX	LONDON	WWW.CURRENEX.COM	APRIL 2018 MAY 2006	ACTIVE	APRIL 2018 MAY 2016	SYSTEMACE INTERNALISES REGISTED AMAST FOR LICHTIC BANK CORPORATE MANSET. FOREIGN KONDING TRANSIC PARTICIPATION AMAST THAN CORPORATE MANSETS LICHTIC STREET LICHTIC MARKETS LICHTIC STREET
UNITED KINGDOM GF	a Lige Ligu	UQUIDITTEROPE LIMITED	LIQU LQNT H20	LONDON	WWW.liquioner.com	JUNE 2014	ACTIVE	JUNE 2014	MIC FOR FREID INCOME BOND TRACING REPORTING
UNITED INFOCOM GE GE UNITED INFOCOM GE	e non non	D UQUINIT SYSTEMS		LONDON	MAM TIGHTER COM	SEPTEMBER 2007	ACTIVE	SEPTEMBER 2007	DIMOS PUCK.
UNITED KINGDOM GE	B LESK BCKE	CEDE EUROPE - LES SERVICE LIMAX - DERIVATIVES	CROE US	LONDON	WWW.LMKK.COM WWW.LMKK.COM	AUGUST 2017	ACTIVE	AUGUST 2011	THE SERVICE CONTRIBUTIONS THE RESIDENCE AND AND ADDRESS OF THE PROPERTY OF THE ADDRESS OF THE SERVICE AND ADDRESS OF THE SERVICE
UNITED KINGDOM GP UNITED KINGDOM GP	B LMAE LMAX	LMAX - EQUITIES LMAX - EX		LONDON	WWW.TWW.COM	JANUARY 2010 JANUARY 2010	ACTIVE	JANUARY 2010 JANUARY 2010	SA REQUIATION MIS FOR RETAL CLEATS TO READS CROSS UNINERWINGS IN MULTIPLE ASSETS CLEASES INCLUDING EQUITIES SEA REQUIATION MIS POR RETALE CLEATS TO READS CROSS UNINERWINGS IN MULTIPLE ASSETS CLEASES INCLUDING FOR SEA REQUIATION MIS POR RETALE CLEATS TO READS CROSS UNINERWINGS IN MULTIPLE ASSETS CLEASES INCLUDING FOR
UNITED KINGDOM GE	B LMAO LMAX	LMAX - INDICES/RATES/COMMODITIES		LONDON LONDON LONDON	WWW.IMW.COM	JANUARY 2010 DECEMBER 2010	ACTIVE	JANUARY 2010	SA REQUIATED MIT FOR BITTAL CLEATED TO MADE CITIS UNIDERLYINGS IN MULTIFIE ASSETS CLASSES INCLUDING INDICES, RATES/COMMODITIES. SCA REQUIATION MET NO RETAIL CLEATED TO MADE CITIS.
UNITED KINGDOM GF	B LMEC LMEC	D IMECLEAR	LMEC	LONDON	WWW.IME.COM	FERRUARY 2014	ACTIVE	FEBRUARY 2014	LONDON METAL DICHARGE CLEARING PLATFORM
UNITED KINGDOM GF	E LOUI LOUI I	DIC MARKETS UK LLP	LCM	LONDON	WWW.LOUISCAPITAL.COM	NOVEMBER 2017	ACTIVE	NOVEMBER 2017	SANTAL CLUMWAY PROJUMBLE INCLUMED UIT. EXPONENTS PROJUME. SANTAL CLUMENTS PROJUMENTS PRO
UNITED KINGDOM GB UNITED KINGDOM GI	EB LOYD LOYD E	D LLOIDS BANK - SYSTEMATIC INTERNALISER D LONDON PLATINUM AND PALLACIUM MARKET	LPPM	LONDON	WWW.LDFDSBANK.COM	OCTOBER 2017 APRIL 2007	ACTIVE	OCTOBER 2017 APRIL 2007	SYSTEMATIC INTERNALISSE.
UNITED KINGDOM GP UNITED KINGDOM GP	SB MACL MACL I	D MARKETAKESS EUROPE LIMITED D MAIDE SECURITIES LONDON LTD		LONDON	WWW.MAKDR-CAPITAL.COM	JULY 2007 SEPTEMBER 2018	ACTIVE	SEPTEMBER 2018	
UNITED KINGDOM GP UNITED KINGDOM GP	B MAQ MAQI II	D MACQUARIE BANK INTERNATION AL LIMITED - SYSTEMATIC INTERNALISER D MACQUARIE CAPITAL EUROPE LIMITED		LONDON	WWW.MACQUARE.COM/UK	JULY 2018 OCTORER 2017	ACTIVE ACTIVE	AULY 2018 OCTOBER 2017	SYSTEMATIC INTERNALISER.
UNITED READOM GE	B MAQU MAQU	MACQUARIE BANK LIMITED, LONDON BRANCH - SYSTEMATIC INTERNALISER		LONDON	WWW. AMAC COM WW	JULY 2018	ACTIVE	JULY 2008	SYSTEMATIC INTERNALISER.
UNITED KINGDOM GF	B MOR MOR	CURRENEXMIT - RFQ		LONDON	WWW.CURRENEX.COM	MAY 2007	ACTIVE	MAY 2017	
UNITED KINGDOM GE UNITED KINGDOM GE	in MCXS MCUR :	CURRENEXMIT - STREAMING MET ZURICH		LONDON	WWW.CURRENEX.COM WWW.METZURICH.COM	MAY 2017 JULY 2018	ACTIVE	MAY 2017 JULY 2018	
UNITED KINGDOM GP	B NFGL MFGL II	D MF GLOBAL ENERGY MITF FX CONNECT - MITF - ALLOCATIONS		LONDON	WWW.MFG.ONNECT.COM	NOVEMBER 2007 MAY 2007	ACTIVE ACTIVE	NOVEMBER 2007 MAY 2017	
UNITED KINGDOM GE	B MENC MENC	D RYCONNECT-MIF		LONDON	WWW.PICONNECT.COM	MAY 2007	ACTIVE	MAY 2017	
UNITED KINGDOM GF	D MHSL MHSL I	D MIZUHO BANK, LTD. LONDON BRANCH - SYSTEMATIC INTERNALISER		LONDON	WWW.MIZUHO-EMEA.COM	NOVEMBER 2008	ACTIVE	NOVEMBER 2018	SYSTAMACE INTERNALISE IN SYCREMATIVE. ANTOPISTOR SYSTAMIC INTERNALISE IN SYCREMATIVE. ANTOPISTOR SYSTAMIC INTERNALISE IN GOR BOMOS.
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UNITED KINGDOM GP	a MSP MSP	MORGAN STANLEY AND CO. INTERNATIONAL PLC MORGAN STANLEY AND CO. INTERNATIONAL PLC - SYSTEMATIC INTERNALISER		LONDON	WWW.MDRGHISTANLEY.COM	MAY 2005 APRIL 2018	ACTIVE ACTIVE	MAY 2015 MAY 2017	SYSTEMATIC INTERNALISE.
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	UNITED KINGDOM GB	TPEO TPEO	0	TULLETT PRESON EUROPE - OTF THE PROPORTY INVESTMENT ENFLHANCE	SBUSEA	LONDON	WWW.TPICAP.COM	OCTOBER 2017 MARCH 2013	ACTIVE	OCTORER 2017 OCTORER 2017	ORGANISTO TRUONG SECULT:
	UNITED KINGDOM GB	TPSL TPSL	0	TULLETT PREBON SECURITIES - MTF	PROPER	LONDON	WWW.TPICAP.COM	OCTOBER 2017	ACTIVE	MARCH 2016	MIT FOR THE BROWNG OF SECURITIES, DEPURITIES AND REPUBLICAGE AGREEMENTS.
	UNITED KINGDOM GB	TRAL RTS.	\$	REFINITIV TRANSACTIONS SERVICES LIMITED - FIXALL RFQ		LONDON	WWW.REUTERS.COM	MARCH 2009	ACTIVE	APRIL 2017	OR-ROWAD INVENTED HALLITY. THAND IS REQUESTED FOR THE TOTAL FOR IT OF THE THAN INVESTED AND THE THE THE THAN INVESTED AND THE THE TH
	UNITED KINGDOM GB UNITED KINGDOM GB	TRAX TRAX TRDE TRDE	0	TRAXAPA TRADITION		LONDON	WWW.TRADITION.COM	FERRUARY 2018	ACTIVE	OCTORER 2010	APPROVED PUBLICATION ARRANGEMENT. ELECTRONIC TRANSPACEMENT SET
Company	UNITED KINGDOM GB UNITED KINGDOM GB	TROK TROE TREA TREU	S S	TRADEWES EUROPE LIMITED - APA	TRAD-X	LONDON	WWW.TRACEUER.COM	MARCH 2012 APRIL 2017	ACTIVE	MARCH 2012 APRIL 2017	TRADITION'S HIRBOT TRADITION PLATFORM FOR DIT CERENIATIVES AND OTHER PENALCIAL INSTRUMENTS. APPROVED DIRECTION APPROVED TRADITION SECURITY SECURITY.
	UNITED KINGDOM GB UNITED KINGDOM GB	TREO TREU TREU TREU	5	TRACEWER EUROPE LIMITED - OTF TRACEWER EUROPE LIMITED		LONDON	WWW.TRACEWER.COM	APRIL 2017 NOVEMBER 2014	ACTIVE ACTIVE	APRIL 2017 JUNE 2005	ORGANISIO TRACIITY
	UNITED KINGDOM GB	TREW RTSL	5	REPINITIV TRANSACTION SERVICES LIMITED - FORWARDS MATCHING THARMACT IN TRANSACTIONS		LONDON	WWW.REUTERS.COM	APRIL 2019 NOVEMBER 2017	ACTIVE	APRIL 2017 SEPTEMBER 3017	SECRIFICATION ANABASET FOR DOTE OF COMPANTANCE. ACREST SECRIFICATION INVESTIGATE CONTINUE TRANSPORTED ANY TOTAL TRANSPORTED TRANSPORTED ANY TOTAL TRANSPORTED AND TRANSPORTED ANY TOTAL TRANSPORTED AND TRANS
	UNITED KINGDOM GB	TROS TROS	5	TURQUOISE INFLON CASH ORDER BOOK THROUGH ON ON CLEAR OF CONTRACT		LONDON	WWW.TRACTURQUOISC.COM WWW.TRACTURQUOISC.COM	JULY 2018 OCTOBER 2019	ACTIVE	MARCH 2018 MARCH 2018	MON DORSANTO LABGE IN SCALE SERIES OF SOURISED BLOCK VIEW ROTORING. TEARNOR, OR SETUPONACED IN THE TOTAL PROTESTING DESCRIPTION.
	UNITED KINGDOM GB	TROM TROK	5	TURQUOISE PLATO		LONDON	WWW.TRACETURQUOISE.COM	JANUARY 2019	ACTIVE	MAY 2011	FOOLING FIGURE FOR ALLEGADO EQUIT 1 CLAR FOOL FETURE STREET, S
	UNITED KINGDOM GB	TROX TROX TRSI TRSI	0	TURQUOISE TOWER RESEARCH CAPITAL EUROPE LTD		LONDON	WWW.TRIGETURQUOISE.COM WWW.TOWER-RESEARCH.COM	AUGUST 2017	ACTIVE	AUGUST 2017	
	UNITED KINGDOM GB UNITED KINGDOM GB	TSCB 1950 TSCD 1950	S S	TULLETT PREBON SECURITIES - OTF - CORPORATE BONDS TULLETT PREBON SECURITIES - OTF - CREDIT DERIVATIVES		LONDON	WWW.TULLETTPREBON.COM	OCTOBER 2017 OCTOBER 2017	ACTIVE	OCTOBER 2017 OCTOBER 2017	OBENINGO TRADRIGE FACILITY FOR THE TRADRIGG OCCORPORATE GROUPS. OBENINGO TRADRIGE FACILITY FOR THE TRADRIGG OCCORPORATE GROUPS. OBENINGO TRADRIGE FACILITY FOR THE TRADRIGG OCCORPORATE GROUPS.
Control	UNITED KINGDOM GB UNITED KINGDOM GB	TSED TPSO TSR TPSO	S S	TULLETT PREBON SECURITIES - OTF - EQUITY DERIVATIVES TULLETT PREBON SECURITIES - OTF - CORPORATE BONDS AND SECURITISED DEBT		LONDON	WWW.TULLETTPREBON.COM	OCTOBER 2017 OCTOBER 2017	ACTIVE	OCTOBER 2017 OCTOBER 2017	OBEASIED TRADING FACILITY FOR THE TRANSING OF EQUITY GENERATIVES. OBEASIED TRADING FACILITY FOR THE TRANSING OF EQUITY GENERATIVES. OBEASIED TRADING FACILITY FOR THE TRANSING OF EQUITY GENERATIVES. TO SHAPE THE TRANSING FACILITY FOR THE TRANSING OF EQUITY GENERATIVES. THE TRANSING FACILITY FOR THE TRANSING OF EQUITY GENERATIVES. THE TRANSING FACILITY FOR THE TRANSING OF EQUITY GENERATIVES. THE TRANSING FACILITY FOR THE TRANSING OF EQUITY GENERATIVES. THE TRANSING FACILITY FOR THE TRANSING OF EQUITY GENERATIVES. THE TRANSING FACILITY FOR THE TRANSING OF EQUITY GENERATIVES. THE TRANSING FACILITY FOR THE TRANSING OF EQUITY GENERATIVES. THE TRANSING FACILITY FOR THE TRANSING OF EQUITY GENERATIVES. THE TRANSING FACILITY FOR THE TRANSING OF EQUITY GENERATIVES. THE TRANSING FACILITY FOR THE TRANSING OF EQUITY GENERATIVES. THE TRANSING FACILITY FOR THE TRANSING OF EQUITY GENERATIVES. THE TRANSING FACILITY FOR THE TRANSING OF EQUITY GENERATIVES. THE TRANSING FACILITY FOR THE TRANSING OF EQUITY GENERATIVES. THE TRANSING FACILITY FOR THE TRANSING OF EQUITY GENERATIVES. THE TRANSING FACILITY FOR THE TRANSING OF EQUITY GENERATIVES. THE TRANSING FACILITY FOR THE TRANSING OF EQUITY GENERATIVES. THE TRANSING FACILITY FOR THE TRANSING OF EQUITY GENERATIVES. THE TRANSING FACILITY FOR THE TRANSING OF THE TRANSING OF THE TRANSING FACILITY F
	UNITED KINGDOM GB UNITED KINGDOM GB	TSGB 1950 TSGI 1950	S S	TULLETT PRESON SECURITIES - OTF - GOVERNMENT SONDS EXCLUDING UK GLTS TULLETT PRESON SECURITIES - OTF - GOVERNMENT SONDS - UK GLTS		LONDON	WWW.TULLETTPRESON.COM WWW.TULLETTPRESON.COM	OCTOBER 2017 OCTOBER 2017	ACTIVE	OCTOBER 2017 OCTOBER 2017	OBJANISTO TRADINIS EACUTIF OR THE TRADINIS OF CONCRIMENTATIONOS DICULTINIS DECENT. OBJANISTO TRADINIS EACUTIF OR THE TRADINIS OF CONCRIMENTATIONOS DICULTINIS. OBJANISTO TRADINIS EACUTIF OR THE TRADINIS OF CONCRIMENTATIONOS US LICELT. SOMEWASTO TRADINIS EACUTIF OR THE TRADINIS OF CONCRIMENTATIONOS US LICELT.
	UNITED KINGDOM GB UNITED KINGDOM	TSMM TPSO TGMB TPO	S c	TULLETT PRESON SECURITIES - OTF - MONEY MARKET INSTRUMENTS TULLETT PRESON SECURITIES - MTF - REPOS		LONDON	WWW.TULLETTPREBOX.COM WWW.TPICAP.COM	OCTOBER 2017 OCTOBER 2017	ACTIVE	OCTORER 2017 OCTORER 2017	ORGANIZATION EACURITY FOR THE TRACKING OF MONEY MARKET INSTRUMENTS. MUNICIPIEST MARKING EACURITY FOR THE TRACKING OF SERVICE MUNICIPIEST MARKING EACURITY FOR THE TRACKING OF SERVICE. MUNICIPIEST MARKING EACURITY FOR THE TRACKING OF SERVICE.
	UNITED KINGDOM GB	TSR TPSO	s s	TULLETT PRESON SECURITIES - OTF - REPOS TO IN CITE - CONSESSION		LONDON	WWW.TULLETTPRESON.COM	OCTOBER 2017	ACTIVE	OCTOBER 2017	ORGANISED TRADING FACILITY FOR THE TRADING OF SERVIC
Column	UNITED KINGDOM GB	TWGP TWGP	0	TRADEWEB EUROPE LIMITED - GLOBAL TRADING PLATFORM		LONDON	WWW.TPADEWER.COM	JANUARY 2018	ACTIVE	JANUARY 2018	
Part	UNITED KINGDOM GB	USIN USIN USSB USSB	0	USSAG LONDON BRANCH - TRADING		LONDON	WWW.URS.COM	MARCH 2019	ACTIVE	SULY 2017	USS AC LONDON BRANCH TRADING PLATFORM.
Manual	UNITED KINGDOM GB UNITED KINGDOM GB	URSY URSE WITS	S S	MESUK		LONDON		JULY 2017 JANUARY 2019	ACTIVE	JULY 2007 JULY 2001	UBS AC LONGON BRANCH TRANSING PLATFORM POTENTIANC INTERMUSER. THE ART SELECTION REVISION ENTER TO PROPRIET AND WILL BE GOTH EXCLUSIVELY TO THE COMMUNITY OF CENAMS.
	UNITED KINGDOM GB UNITED KINGDOM GB	UKDR ICPM UKPX UKPX	2 0	TP ICAP UK MITS - ORDERBOOK AFK POWER UK		LONDON	WWW.APKGROUP.COM	NOVEMBER 2009 JUNE 2006	ACTIVE	NOVEMBER 2019 JUNE 2006	
Process	UNITED KINGDOM GB UNITED KINGDOM GB	UKRE KPM VAGL VAGL	S O	TP ICAP UKMIF - REGISTRATION VIRTURA AUCTION GLOBAL LIMITED	VAGLOBAL	LONDON	WWW.TPICAP.COM WWW.NRTUALAUCTIONGLOBAL.COM	NOVEMBER 2019 OCTOBER 2017	ACTIVE	NOVEMBER 2019 OCTOBER 2017	NOT USE YIT.
Column	UNITED KINGDOM GB	VAGM VAGM	0	VIRTUAL AUCTION GLOBAL MARKETS - MTF VANITAGE CARTAI MARKETS I.B., DEE	VAGM MTF	LONDON	WWW.VIRTUALAUCTIONGLOBAL.COM	AUGUST 2019 AUGUST 2017	ACTIVE	AUGUST 2019 AUGUST 2017	MATERIATE TRANSCERENT. DECEMBER SHEET VISITS
	UNITED KINGDOM GB	VEGA VEGA	0	WGA-OH	K.MOIP	LONDON	WWW.VEGA-CH.COM	SEPTEMBER 2009	ACTIVE	SEPTEMBER 2009	CHISTOPHICAL PROCEDURE PASSING PROCESSOR CONTROL
Section	UNITED KINGDOM GB	VIUK VIUK	0	POST UK		LONDON	WWW.VIRTU.COM	OCTOBER 2029	ACTIVE	OCTOBER 2019	STSTMMILL IN TERMALISM.
	UNITED KINGDOM GB	WELN WELN	0	WEL - SYSTEMATIC INTERNALISER	WELSI	LONDON	WWW.WESTPAC.COM.AU/ABOUT-WESTPAC/GLOBAL-LOCATIONS/WESTPAC-UK/	SEPTEMBER 2018	ACTIVE	SEPTEMBER 2018	SYSTEMATIC REPRODUCES.
Column	UNITED KINGDOM GB UNITED KINGDOM GB	WINS WINS	5	WINTERFLOOD SECURITIES LIMITED - ELECTRONIC PLATFORM WINTERFLOOD SECURITIES LIMITED - MANUAL TRADING	WINS	LONDON	WWW.WINTERFLOOD.COM WWW.WINTERFLOOD.COM	JUNE 2017 JUNE 2017	ACTIVE	JUNE 2017	REGISTED MARKET MARKET - LUCTRONIC FAUTORIA REGISTED MARKET MARKET - LUCTRONIC FAUTORIA REGISTED MARKET MARKET - MARKET TRADRIG
Control	UNITED KINGDOM GB UNITED KINGDOM GB	WSIL WSIL WSIN WSIN	0	WELLS FARGO SECURITIES INTERNATIONAL WESTPAC BANKING CORPORATION - SYSTEMATIC INTERNALISER	wacsı	LONDON	WWW.WESTPAC.COM.AU./AROUT-WESTPAC/GLOBAL-LOCATIONS/WESTPAC-UK/	SEPTEMBER 2018 SEPTEMBER 2018	ACTIVE	SEPTEMBER 2018 SEPTEMBER 2018	ONTENATIC INTERNALISE.
Section	UNITED KINGDOM GB UNITED KINGDOM GB	XALT XALT XCOR XCOR	0	ALTEX - ATS		LONDON	WWW.ATTEATERS AND WWW.	JUNE 2007 SEPTEMBER 2006	ACTIVE ACTIVE	JUNE 2007 SEPTEMBER 2006	
Section Sect	UNITED KINGDOM GB	NGCL NGCL	0	GLOBAL COAL LIMITED	GLOBALCOAL	LONDON	WWW.GLOBALCOM	AUGUST 2013	ACTIVE	AUGUST 2013	MIT PLATIGORA FOR DICC CESTIVATIVES
Section	UNITED KINGDOM GB	XGDX GMEG	ŝ	G. OBAL DERINATIVES DECIMANCE O DOME FOUNDED FOUNDED	GDX	LONDON	WWW.GMEX-GROUP.COM	JUNE 2013	ACTIVE	JUNE 2013	SCHWIG FOR COMPANY TO SCHOOL S
	UNITED KINGDOM GB	XXX GARL XXII XXII	0	WISTINET EUROPE LIMITED	SAX	LONDON	WWW.INSTINET.COM	NOVEMBER 2017	ACTIVE	NOVEMBER 2017	SECURICAL FORMAL
Section	UNITED KINGDOM GB UNITED KINGDOM GB	XLEM XLEM XLCH XLCH	0	LONDON BULLION MARKET LONLTD		LONDON	WWW.LEH.COM	DECEMBER 2019	ACTIVE	DECEMBER 2013	LO GROUP IS A LEADING MULTI-ASSET CLASS AND MULTI-NATIONAL CLEARING HOUSE, SERVING MAJOR EXCHANGES AND PLATFORMS AS WILL AS A RANGE OF DTC MARKETS.
	UNITED KINGDOM GR UNITED KINGDOM GR	XLDN XLDN XLDX GWEG	5	EURONEXT - EURONEXT LONDON LONDON DERIVATIVES EXCHANGE	LDX	LONDON	WWW.EURONEXT.COM WWW.GMEX-GROUP.COM	MAY 2005 JUNE 2013	ACTIVE	MARCH 2010 JUNE 2013	MIT FOR DEBUGINES
	UNITED KINGDOM GB UNITED KINGDOM GB	XLME XLME XLOD XLON	0 5	LONDON METAL EXCHANGE LONDON STOCK EXCHANGE - CURVEGLOBAL MARKETS	LME	LONDON	WWW.LONDONSTOCKEKHANGE.COM	JUNE 2005 JULY 2019	ACTIVE	JUNE 2005 JULY 2013	LONDON STOCK EXCHANGE DEBYATIVES INVASET PART OF LONDON STOCK EXCHANGE BEGULATIO MARKETT.
	UNITED KINGDOM GB	XLOM XLON	s 0	LONDON STOCK EXCHANGE - MTF	LSE	LONDON	WWW.LONDONSTOCKECHANGE.COM	AUGUST 2017 NOVEMBER 2015	ACTIVE	DECEMBER 2016	DEACTIVATED IN A 2021 UNTE, MARKET LAUNCH, ESACTIVATED AUGUST 2027.
	UNITED KINGDOM GB	XMTS XMTS	0	EUROMISTID DOOR AUGUSTUS		LONDON	WWW.MTSMARKETS.COM	APRIL 2017	ACTIVE	MARCH 2013	LEGAL ENTITY OPERATING ALL RELATED MARKET SEGNENT MICS.
	UNITED KINGDOM GB	XPICK PEEL	5	PEEL HUNT CROSSING		LONDON	WWW.PEELHUNT.COM	FEBRUARY 2014	ACTIVE	FEBRUARY 2014	ELECTRONIC CROSSING PLATFORM FOR EQUITIES
	UNITED KINGDOM GB	SPUK SPUK	0	39 INVESTMENTS LIKELP		LONDON		DECEMBER 2018	ACTIVE	OCTORER 2018	
	UNITED KINGDOM GB UNITED KINGDOM GB	XRSP PEEL XSGB XSGB	0	SOCIETE GENERALE (LONDON BRANCH) - SYSTEMATIC INTERNALISER		LONDON	WWW.PELHUNT.COM HTTPS://WHOLESALE.BANKING.SOCIETEGENERALE.COM/	AUGUST 2019	ACTIVE	AUGUST 2019	ELECTRONIC TRADINGS PLATFORM FOR EQUITIES SYSTEMACH INTERNALISES.
Control	UNITED KINGDOM GB UNITED KINGDOM GB	XSMP XLDN XSWB XSWB	0	EURONEXT BLDCK 9WK SWISS BLDCK		LONDON	WWW.EURONEXT.COM/BLOCKMTF WWW.SWISEUROPE.COM	SEPTEMBER 2017 SEPTEMBER 2008	ACTIVE	SEPTEMBER 2008 SEPTEMBER 2008	MULTILATERA TRACING FACILITY (MFF). TRACING VENUE FOR SMICK SULCE VERY GUITES.
	UNITED KINGDOM GB UNITED KINGDOM GB	XTMM XTMM XUES XUES	0	XXXAAARETS UBS MTF		LONDON	WWW.UBS.COM/MTF	NOVEMBER 2017 DECEMBER 2014	ACTIVE ACTIVE	NOVEMBER 2017 JULY 2000	EQUITY, RI, FIRED INCOME AND COMMODITY PRODUCTS.
Maria	UNITED KINGDOM GB UNITED STATES OF AMERICA US	XUMP XUES AATS AATS	5	USS MTF - PERIODIC AUCTION ASSENT ATS		LONDON JERSEY CITY	WWW.SUNGARD.COM	NOVEMBER 2017 OCTOBER 2011	ACTIVE ACTIVE	NOVEMBER 2017 OCTOBER 2011	PRINCIPLE ACCOUNT SCIENTING TOR EQUITIES TRACKING. ASSENT AT SER A SECONT TO ME POR CONTRACT CARRET, LC - A SUBSISSANT OF SUNGARD.
	UNITED STATES OF AMERICA US	ACKF KNIG	s 0	REG ACROMITEDER R		NEW YORK NEW YORK	WWW.XCG.COM	MARCH 2017 AUGUST 2017	ACTIVE	MARCH 2017 AUGUST 2017	SHATTAR FORD INCOME LIQUIDITY. ADDITION DISTRICT AND ADDITION OF THE ADDITION
Control	UNITED STATES OF AMERICA US	ALDP XNYS	\$	NYSE ALTERNOXT DARK	AMDXDARK	NEW YORK	WWW.EURONEXT.COM/LANDING/EQUITIESOP-21363-6N.HTML	MAY 2001	ACTIVE	MAY 2011	SOME FOLK.
	UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	AQUA AQUA	0	NYSE AMEX OPTIONS AQUA EQUITIES L.P.		NEW YORK	WWW.NSC.COM WWW.AQUAGQUITIES.COM	SEPTEMBER 2008	ACTIVE	SEPTEMBER 2008	REGISTIRED MARKET FOR RLOCK EQUITIES
Property	UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	ARCD XIVIS ARCD XIVIS	S S	NYSE ARCA OPTIONS		NEW YORK	WWW.NYSC.COM	OCTOBER 2009	ACTIVE	OCTOBER 2009	DIRECTOR. WYSE AREA OPPIONS TRADING PLATFORM FROM NYSE CURCINET.
Property	UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	ARCX XIVIS ARXX ARXX	0	NYSE ARCA ARKONG	NYSE ARKX	NEW YORK NEW YORK	WWW.NESSWART.COM	SEPTEMBER 2006 APRIL 2019	ACTIVE	SEPTEMBER 2006 APRIL 2019	
	UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	ASMT INCR ASPI INCR	S S	INTELLIGENTEROSS ASPEN MAKER/TAKER INTELLIGENTEROSS ASPEN INVERTED		STAMFORD STAMFORD	WWW.INTELLIGENTOROSS.COM	OCTOBER 2029 OCTOBER 2029	ACTIVE	OCTOBER 2019 OCTOBER 2019	
	UNITED STATES OF AMERICA US UNITED STATES OF AMERICA	ASPN INCR	s o	INTELLIGENTEROSS ASPEN INTELLIGENT BID/OFFER BANK OF AMERICA - MESRILL LYNCH INSTINCT X ATS	MUX	STAMFORD NEW YORK	WWW.INTELLIGENTOROSS.COM HTTP://CORP.BANKOFAMERICA.COM/BUSINESS/EI/TRADER-INSTINCT	OCTOBER 2029 FEBRUARY 3015	ACTIVE	OCTORER 2019 OCTORER 2010	REGISTRED ATLANT 21
	UNITED STATES OF AMERICA US	BAMX BAMX	0	BANK OF AMERICA - MERRILL LYNCH GCK	MLCX	NEW YORK	WWW.BOFAML.COM/EN-US/CONTENT/HIGH-TOUGH-ELECTRONIC-TRADING-HTML	DECEMBER 2017	ACTIVE	DECEMBER 2017	CROSSING TRIGHT FOR EQUITIES
Control	UNITED STATES OF AMERICA US	BARL BARK	s	BARCLAYS LIQUID MARKETS		NEW YORK	WWW.BARCAP.COM	MARCH 2013	ACTIVE	MARCH 2013	WORKS AV
Section	UNITED STATES OF AMERICA US	BATO XCBO	5	CROE RZY OPTIONS DICHANGE	BATO	OHCAGO	HTTP://MARKETS.CROE.COM/	JUNE 2018	ACTIVE	NOVEMBER 2009	MINISTER AND
Section	UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	BATY XCBO	S S	CROE MX U.S. EQUITIES EXCHANGE CROE BYX U.S. EQUITIES EXCHANGE	BATS BYXX	OHCAGO	HETP://MARKETS.CROE.COM/	JUNE 2018 JUNE 2018	ACTIVE	NOVEMBER 2008 NOVEMBER 2009	CEOS EPYLUS. EQUITIES DICHARGE.
Marie	UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	BESF BASK BCDX BASK	0 S	BARCLAYS DIRECT EXATS		NEW YORK	WWW.ALLUMBERGES.COM HTTP://REALIZATIONS.BARCLAYS.COM/SLOBAL-MARKETS/EQUITIES	AUGUST 2004	ACTIVE	AUGUST 2014	INAL NUMBER: FOUNDMENT AND HOME MALAGEMENT DOTT. CORROLATIVES TRANSPACTIONS ASSOCIATION OF THE PROPERTY OF THE
Control Cont	UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	BGCD BGCF BGCF BGCF	S 0	BGC DERIVATIVE MARKETS L.P. BGC PINANCIAL INC	BGCDML	NEW YORK NEW YORK	WWW.BGCSF.COM WWW.BGCPARTNERS.COM	MARCH 2005 SEPTEMBER 2007	ACTIVE ACTIVE	MARCH 2015 SEPTEMBER 2007	80° SWAP ESCUTTOR FACILITY.
Maria Mari	UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	BIGS BIGS	0	BATS HOTSPOT SEF LLC BIDS TRADING L.P.	aios	NEW YORK NEW YORK	WWW.HOTSPOTRI.COM	DECEMBER 2016 FEBRUARY 2017	ACTIVE	DECEMBER 2016 FEBRUARY 2017	REGISTERED DRAW-EXECUTION FACILITY (REF.) PREVIOURLY SAVELINESE (ARC-SEET)
Properties Pro	UNITED STATES OF AMERICA US UNITED STATES OF AMERICA	BIOT BIXT	0	BAOT WISTINGT BLOCKCROSS ATS		ATLANTA NEW YORK	WWW.NSTINT.COM	NOVEMBER 2019 JULY 2019	ACTIVE	NOVEMBER 2019 SEPTEMBER 2017	SOT MAKET FOR CHIPTO CUBRILLY AND DEPUNTINES. ALTERNATIVE PROFESTALMY. AND DEPUNTINES. ALTERNATIVE PROFESTALMY.
Property	UNITED STATES OF AMERICA US	BLTD BLTD	0	BLOOMBERG TRADEBOOK LLC		NEW YORK	WWW.BLOOMBERGTPADEBOOK.COM	NOVEMBER 2007	ACTIVE	NOVEMBER 2007	
WITH DECISION AND INC. WITH DECISION AND I	UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	SLUE SLUE SNOO TRWS	o s	TRADEWER DIRECT LLC	PROS	NEW YORK		FEBRUARY 2017	ACTIVE	AUGUST 2007	ALTERNATIVE PROGRESS AND LIME.
WITH COURT AND	UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	BOYC BNYC BOSD XNAS	0 S	CONVERGOX NASDAQ ONK EX DARK	NOSKDARK	NEW YORK NEW YORK	WWW.CONVERGEX.COM WWW.NASDAQONXTRADER.COM	APRIL 2012	ACTIVE	APRIL 2012	DARKPOL
Marie Composition	UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	BPOL BLTD BTEC BTEC	2 0	BLOOMBERG BOOL ICAP ELECTRONIC BROKING (US)		NEW YORK JERSEY CITY	WWW.ICOPMERG.COM	DECEMBER 2012 JUNE 2007	ACTIVE	DECEMBER 2012 JUNE 2007	ELECTRONIC TRADING PLATFORM
MITTEN DESIGN AND MAN	UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	STNL STNL SVUS MTUS	0 S	BYNOMAL BONDVISION US		OHICAGO NEW YORK	WWW.MTSWARKITS.COM	NOVEMBER 2017 AUGUST 2014	ACTIVE	NOVEMBER 2017 JULY 2004	EXECTIONIC TRANSIC PLATFORM, ESCRIPTION, CONTINUET INMART (DOUG). [EXECTIONIC TRANSIC PLATFORM, ESCRIPTION, CONTINUET INMART (DOUG). [EXECTIONIC TRANSIC PLATFORM (PLATFORM, ESCRIPTION, ESCRIPTION). [EXECTIONIC TRANSIC PLATFORM, ESCRIPTION, ESCRIPTION (PLATFORM). [EXECTIONIC TRANSIC PLATFORM, ESCRIPTION, ESCRIPTION, ESCRIPTION. [EXECTIONIC TRANSIC PLATFORM, ESCRIPTION. [EXECUTION TRANSIC PLATFORM, ESCRIPTION. [EXECUTION TRANSIC PLATFORM, ESCRIPTION. [EXECUTION TRANSIC PLATFORM. [EXECUTION
WITCH DECISION AND INC. C. C. C. C. C. C. C.	UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	BYND NCBO BZND WCBO	S S	CROE BYX U.S. EQUITES EXCHANGE DARK CROE BZX U.S. EQUITES EXCHANGE DARK	BYXDARK BZXDARK	OHCAGO OHCAGO	HTP://MARKETS.CROE.COM/ HTTP://MARKETS.CROE.COM/	JUNE 2018 JUNE 2018	ACTIVE	FEBRUARY 2015 FEBRUARY 2015	COLO REVULS, EQUIPMEN DECIMINATION OF CONTROL OF COLOR OF CO
	UNITED STATES OF AMERICA US	CZOX XCBO	ŝ	C2 OPTIONS DICHANGE INC.	C20X	OHCAGO NEW YORK	HTTP://MARKETS.CROE.COM/	JUNE 2018	ACTIVE ACTIVE	MAY 2009	OPTIONS EXCURNING FOR C.
WINDERSTRAME WIND	UNITED STATES OF AMERICA US	CALH CALH	0	CLSAAMERCAS - LIQUIDITY HUB		NEW YORK	WWW.CLSA.COM	DECEMBER 2019	ACTIVE	DECEMBER 2019	AND LIQUIDITY WILL
WITH DESIGN AND AND A COLOR OF THE WITH DESIGN AND A COLOR O	UNITED STATES OF AMERICA US	CRLC CGMI	s s	OTIBLOC	CRLC	NEW YORK	WWW.CITIBANK.COM/MSS/PRODUCTS/EQUITIES/E_TRADING/UQUIDITY.ATML	AUGUSÉ 2012 APRIL 2018	ACTIVE	JANUARY 2016	NUMBER OF THE PROPERTY OF TH
WITH COMPANIES Companies WITH COMP	UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	CRES XCME	S S	CRICE STOCK ENCHANGE CME SWAPS MARKETS (CROT)	CBSK	OHCAGO	WWW.CNEGROUP.COM	JULY 2008 OCTOBER 2013	ACTIVE	OCTOBER 2013	FOR OCCURES RESCRIPTION DESCRIPTION IN THE US
MITTER DEPT AND MANY 1	UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	CDED CDED	0 S	CITADEL SECURITIES CIME SWAPS MARKETS (COMIDI)			WWW.OVEGROUP.COM	OCTOBER 2013	ACTIVE	MAY 2011 OCTOBER 2013	EXECUTION EMBARE HOMES. REGISTRION DAMPE FOR SAMP DECUTION OF METALSIN THE US
WITH TOWN AND INC. WITH TO	UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	CGM CGM	0 5	CITIGROUP GLOBAL MARKETS COI	CIOI	NEW YORK NEW YORK	WWW.CTTREDUTY.COM	MARCH 2012 APRIL 2018	ACTIVE	MARCH 2012 APRIL 2018	
WITH TOTATION AND ALL C		OSD XNYS	5	NYSE NATIONAL, INC DARK			WWW.NYSC.COM	OCTOBER 2029 OCTOBER 2017	ACTIVE	OCTORER 2019	DIRECTOR NOTE HATCHUS. RECOGNISH DIRECTOR NOTE DIRECTOR N
The part	UNITED STATES OF AMERICA US	CMSF CMSF	6	CLEAR MARKETS NORTH AMERICA, INC.	CM SEF	OHARLOTTE GLENNEW	WWW.CLEAR-MARKETS.COM	JULY 2014	ACTIVE	SULY 2004 NONEMPER 2017	CITY SECURITIES SHEEP RESENTED HEALTHY ON DESIGNATION SHEEP RESENTED HEALTHY ON DESIGNATION SHEEP AT RESENTED THE SHEEP OF DESIGNATION THEN SHEET THE SHEEP OF
WITTER TOTAL STATE WITTER	UNITED STATES OF AMERICA US	COHR COHR	0	COMMAN CAPITAL MARKETS, LLC	LUM	ORCAGO	MANA CITY DOLLARS	JANUARY 2020	ACTIVE	JANUARY 2020	A STATE OF
WITH DEPOSITION AND COLUMN 1	UNITED STATES OF AMERICA US	CPGX CPGX	0	CLEARPOOL EXECUTION SERVICES, LLC		NEW YORK	WWW.CLEARPOOLGROUP.COM	MARCH 2019	ACTIVE	MARCH 2019	UN SERVICE MATERIAL PROPERTY AND
WITH DIRTHED ANGROOK S	UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	CRED CRED	O S	CREDIT SUISSE (LOS)		NEW YORK NEW YORK	WWW.CREDIT-SUISE.COM	NOVEMBER 2019	ACTIVE ACTIVE	AUGUST 2012 NOVEMBER 2019	
WITH DETICATION AND AND A 1	UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	CSVW CRED	s o	CREDIT SUBSE VWAPK CURENTS		NEW YORK NEW YORK	WWW.CREDIT-SUISSE.COM WWW.CURENGROUP.COM	NOVEMBER 2019 NOVEMBER 2017	ACTIVE	NOVEMBER 2019 NOVEMBER 2017	ROBERS EXCHANGE ELECTRONIC COMMUNICATION INTRIVIORS EXCH.
STATE STAT	UNITED STATES OF AMERICA US UNITED STATES OF AMERICA	DASH DASH	0	DASH ATS DEUTSCHE BANK SECURITIES INC.		OHCAGO NEW YORK	WWW.DASHIPNANCIAL.COM WWW.DB.COM	JULY 2019 MARCH 2019	ACTIVE	JULY 2009 MARCH 2019	ALTERNATIVE TRACENIC GISTEM.
THE PROPERTY OF THE PROPERTY O	UNITED STATES OF AMERICA US	DBSX DBSX	0	DEUTSCHE BANK SUPER X DOWNGRANDESCHOOL DECHANGED	nov.	NEW YORK NEW YORK	WWW.DR.COM	AUGUST 2012	ACTIVE ACTIVE	APRIL 2011	REGISTRED ATS OR REQUIRES. THIS SHE CODE. IF ALL GROAD PRODUCT WITH HAVING A PRESENCE IN US (NEW YORK), USE, CONDON) AND APPL POINTS KOHG,
	UNITED STATES OF AMERICA US	DWR DWR	0	DEALERWED FRED INCOME		JERSEY CITY	WWW.TRADEWEE.COM	DECEMBER 2018	ACTIVE	DECEMBER 2018	
1	UNITED STATES OF AMERICA US	DWSF TRWB	S S	DW SEF LLC CEDIC EDICKU S. EQUITIES EXCHANGE EVARK CEDIC EDICKU S. EQUITIES EXCHANGE	DWSEF EDGXDARK EDGA	OHCAGO	HTTP://MARKETS.CROE.COM/	JUNE 2018	ACTIVE	MAY 2011	ELECTIONIC PLATERIM FOR TRAINING IN SHAPS, AND GENERATIVES GROSS TOOL U.S. EQUITIES EXCONANCE GROWN GROUNTS.

WINTSTEETS ARRIVA 1	Column	NG MIC 0/S S S S S S S S S S S S S S S S S S S	INMAGENTATION DESCRIPTION CLOSE EDGO-CONTROLE ESCHAMICE CLOSE EDGO-CONTROLE ESCHAMICE CLOSE EDGO-CONTROLE ESCHAMICE CLOSE EDGO-CONTROLE ESCHAMICE MAN E	EDGADARY EDGAD EDGA EDGA EDGA EDGA EDGA EDGA EDG	CHICAGO CHICAGO CHICAGO CHICAGO NEW YORK PRINCETON PRINCETON	HETP://AMRETS.COD.COM/ HETP://AMRETS.COD.COM/ HETP://AMRETS.COD.COM/ HETP://AMRETS.COD.COM/ HETP://AMRETS.COM/ WWW.MAMGORIFICS.COM/ WWW.MAMGORIFICS.COM	The content of the	ACTIVE ACTIVE ACTIVE ACTIVE ACTIVE	MAY 2011 JUNE 2015 MAY 2010 NOVEMBER 2016 MARCH 2018 FEBRUARY 2020	COMMON STATEMENT COMMON ON CONTROL OF CONTRO
UNITED STATES OF AMERICA US	EDGO XCEO EDGX NCEO EDGXT CONT ENALD MIN EPIL EPIL MIN EPIL EPIL EPIL EPIL EPIL EPIL EPIL EPIL	\$ \$ 0 \$ \$	EG MARKET TECHNOLOGIES MINK EMERALD, LLC MINK DELBU EQUITIES		OHEAGO OHEAGO NEW YORK PRINCETON	HTTP://MARKETS.CBDE.CDM/	JUNE 2018 JUNE 2018 NOVEMBER 2006	ACTIVE ACTIVE ACTIVE	JUNE 2015 MAY 2010 NOVEMBER 2016 MARCH 2018	REGISTED MAKET MAKE FOR COUNTS. MAKET DESIGN TRANSPORT OF TRANSPORT TRANSPORT OF TRANSPORT
	EGNAT CAMP EGMT CAMP EMALD Misse EPAL Misse EPAL SES EDS ERS EDS AND CTCM FAST FAST	5 5 5	EG MARKET TECHNOLOGIES MINK EMERALD, LLC MINK DELBU EQUITIES		NEW YORK PRINCETON	WWW.EGLP.COM WWW.MEGUP.COM	NOVEMBER 2006	ACTIVE ACTIVE	NOVEMBER 2016 MARCH 2018	SECTION AND THE PROPERTY OF SE
UNITED STATE OF MARICA UNITED	ENLO MINI EPRI MINI ERIS ERIS EXPM OTCM FAST FAST	S S O	MIAX EMERALD, LLC MIAX PEARL EQUITIES	EMLD	PRINCETON	WWW MURIPETIONS COM	\$440CH 2000	ACTIVE	MARCH 2018	MINY EMERNI D-EL ECTRONIC TRADING COD DESINATIVES
MANTED CANTES OF MARRICA UNITED CANTES OF M	FRIS ERIS EXPM OTCM FAST FAST	0				MANUAL PROPERTY COM	CC001145Y 3030	ACTIVE	CC00111011200	MINX PEAR:: ELECTRONIC TRADING FOR EQUITIES.
UNITED TRATES OF AMERICA. US UNITED TRATES OF AMERICA.	FAST FAST		DRSX	ERSX	CHICAGO	WWW.ERISCOM	AUGUST 2009	ACTIVE	MARCH 2012 MAY 2019 MAY 2012 FEBRUARY 2007	MINICIPALE LELECTRONNEL TRACEINO-FOREEQUITES.
UNITED TRATES OF AMBRICA. US		5	ERX EXPRI MARKET FASTMATCH		NEW YORK	WWW ERSX COM WWW OTCMARTS COM WWW ARTMATOL COM	MAY 2009	ACTIVE	MAY 2019	SLICTRON'S TRADING PLATFORM FOR DIS FOREIGN EXCHANGE PRODUCTS
LINITED STATES OF AMERICA. US	FCRT XCRT	s	CHICAGO BOARD OF TRACE ID CORN	CBOT (FLOOR)	GRIEGADO MENEN YORK ME	WWW.CROT.COM	FERRUARY 2007	ACTIVE	FEBRUARY 2007	
UNITED TATES OF AMERICA US	FCME XCME FICO FICO	S 0	CHICAGO MERCANTILE DICHANGE (FLOOR) RINANGALCONTENT RINANGALCO	CME (FLOOR)	SAN CARLOS	WHEN ADD COST COST WHEN PROPERTY COST WHEN P	FEBRUARY 2007 JUNE 2018	ACTIVE ACTIVE	FEBBUARY 2007 JUNE 2018 JUNE 2018 JULY 2000 JULY 20	
UNITED STATES OF AMERICA US UNITED STATES OF AMERICA	FINC FINR	5	RNRA/NASDAQ TRF CHICAGO (TRADE REPORTING FACILITY)	FINN	NEW YORK	WWW.FINRA.ORG	JULY 2018	ACTIVE	JULY 2008	
UNITED STATES OF AMERICA US	FINO FINE	5	INNA/MAGIAC TSE CARTEST (TRACE REPORTING FACILITY)	HNN	WASHINGTON	WWW.FINRA.ORG	JULY 2010	ACTIVE	JULY 2000	RINA NAKE TWO TS FARTICIANTS, NYSE AND INMEDIAC, OTE SEPORTING FACILITY.
UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	FINR FINR	0	RNRA DINEATING THE TRAINS REPORTING SACH ITYS		WASHINGTON	WWW.FINRA.ORG/INDUSTRY/COMPLIANCE/MARKETTRANSPARENCY/AGE/ WWW.FINRA.ORG/INDUSTRY/COMPLIANCE/MARKETTRANSPARENCY/TRE/PARTICIPANTS/	JANUARY 2013	ACTIVE	JANUARY 2013	DINAR WAS TIMOTTES EMPTY DINAVES AND IN MICHAEL
UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	FNCS BGCF	s	RINSA RINSANNET ETS (TRACE REPORTING SACLITY) RINSC-1-ST TRACE/RISS GOOD (TO EXAMINES) GOOD (TO EXAMINES) FISSE LILL RINSC TRACE SILLS RIN		NEW YORK	WWW.FENCSUST.COM	MAY 2007	ACTIVE	MAY 2017	TRIBANG TWO TER PRETICIONATS, NOT AND INSIDAD, FEBRUS SIGNET OFFICELLA IS RECORDERT.
	FNOX PNIX FSEF FSEF	0	GFI SECURITIES LLC - FENCS DELTAX FTSEF LLC		GREAT NECK	WWW.GFIGROUP.COM	NOVEMBER 2019	ACTIVE	NOVEMBER 2019	U.S. CONFORMST KEING TRADING. SAMP VERCENTON INCLUST RESP. A DO NOT TRADESCRIPT AND A DO NOT TRADING STATEMANTS. TRADING STATEMANTS, A DO NOT TRADESCRIPT AND A DO NOT TRADING STATEMANTS, A DO NOT TRADESCRIPT AND A DO NOT TRADING STATEMANTS, A DO NOT TRADESCRIPT AND A DO NOT TRADING STATEMANTS, A DO NOT TRADESCRIPT AND A DO NOT TRADING STATEMANTS.
UNITED STATES OF AMERICA US	FTUS FTUS	0	R.OW TRADERS U.S.LLC		NEW YORK	WWW.R.OWTRADERS.COM	APRIL 2019	ACTIVE	APRIL 2019	ALOW TRADERS' DISCLOSED LIQUIDITY PROVISION THROUGH LEVEL ALTERNATIVE TRADING SYSTEM (ATS).
UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	FREM FREM	0	ROALL ROCKE G DISCOUTION SERVICES		NEW YORK	WWW.RICM.COM	AUGUST 2001	ACTIVE	AUGUST 2011	RECURSION & RECULATION MAKEN'T FOR ONE CREATER CHANGE OFFICING THANKS, MAKEN'T FOR SPOT FEARING OFFICING. WONGLISCH MAKEN'T MAKEN THAN ALTHOUGH OFFICING THE SCHOOL THANKS.
UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	GDX GDX	0	GL DECUTION SERVICES		OHCAGO	WWW.GIX.COM	SEPTEMBER 2014 SEPTEMBER 2016	ACTIVE	SEPTEMBER 2014 SEPTEMBER 2014	
UNITED STATES OF AMERICA US	errc errc	0	GATE US LLC		NEW YORK	WWW GATUS COM WWW GATUS COM WWW GATUS COM	JULY 2010	ACTIVE	JULY 2000	AUTHANIE MENDE SOTION GEOGRAPHIC MENDE SOLITION SECURITIES FRANCIS TRANSCESSOR GEOGRAPHIC MENDE SOLITION SEC
UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	GLMX GLMX GLPS GLPS	0	GLMX ESSEX RADEZ, LLC	QPS QPX	NEW YORK CHICAGO	WWW.GLMK.COM WWW.ESEDRADEZ.COM	SEPTEMBER 2017	ACTIVE	SEPTEMBER 2017	ELECTRONIC TRADNING PLATFORM FOR SECURITIES FINANCING TRANSACTIONS. ELECTRONIC TRADNING SYSTEM
UNITED STATES OF AMERICA US	GLPX GLPX	0	ACS EXECUTION SERVICES, LLC	G.PX	RED BANK		MARCH 2006	ACTIVE	MARCH 2016	DISCUTION STRVICES
UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	GMN XISX GDTC GDTC	5	GLOBAL OTC		NEW YORK CHICAGO	WWW.GLOBALDTC.COM	MAY 2013 MAY 2017	ACTIVE	MAY 2013 MAY 2017	ISS CRIMIN DICHARGE S A MATIGINAL SECURITIES DICHARGE REGISTED WITH THE UNITED STATES SECURITIES & DICHARGE COMMISSION. ISS CRIMIN DICHARGE WILL FACILITATE THE ELECTRONIC TRACING OF EQUITY & INDEX OPTIONS. ELECTRONIC PROMISE PLATERING FOR CIT CQUITY SECURITIES.
UNITED STATES OF AMERICA US	GDVX GDVX	0	GOVEX THE GREEN ENTHANCE	GOVEX	BOSTON OHICAGO	WWW.GDVEX.COM	MARCH 2002 SEPTEMBER 2009	ACTIVE	MARCH 2012 SCETTIMBER 2009	GEOTION BRICES GLOBAL CHARGES AND CHARGES EXCHARGES CONTROL OF CHARGES AND CHARGES AS CHARGES COMMERCIAL AND CHARGES AND CHARGES CONTROL CHARGES AS CHARGES AS CHARGES AND CH
UNITED STATES OF AMERICA US	GSCO GSCO	0	GOLDMAN SACHS AND CO.	GEI SEF	NEW YORK	WWW.GOLDMANSAOIS.COM WWW.GRIGADUP.COM/MARKETS/SWAPS-ENCHANGE/DVERVIEW.ASPX	JUNE 2017	ACTIVE	JUNE 2017	
UNITED DETACT OF MARRICA.	GTCD GTCD	0	GI BECOMOS SERVES ON GLOSE ON GLOS		NEW YORK NEW YORK CHICAGO RED BANK NEW YORK NEW YORK NEW YORK NEW YORK HIGHORY CHICAGO CHICAGO NEW YORK NEW YOR	THERE IS A TO A T	JANUARY 2014	ACTIVE	SEPTEMBER 2008 SULY 2000 DECEMBER 2017 SEPTEMBER 2014 MAY 2013 MAY 2013 MAY 2012 SEPTEMBER 2010 SEPTEMBER 2010 SULY 2017 AUGUST 2014 SEPTEMBER 2016 SEPTEMBER 2016 SEPTEMBER 2016 SEPTEMBER 2016 SEPTEMBER 2016 SEPTEMBER 2016	SHAME SECUTION FACILITY MEDITERS THE OWNER OF CONTROLLINGS FROM MEMBERS AND REGISTED RES WITH THE SEC
UNITED STATES OF AMERICA US	GTSX GTSX	0	GTYSEE LLC	GTSX GTX	NEW YORK DEDAMNSTED	WWW.GTSK.COM	FERRUARY 2017 NOVEMBER 2016	ACTIVE	PERRUARY 2017 NOVEMBER 2016	ELECTRONIC TRADONG PLATFORM FOR OFC OBPIRATIVES.
UNITED STATES OF AMERICA US	HEGX HEGK	0	NADEX		CHICAGO	WWW.NADEX.COM	APRIL 2010	ACTIVE	APRIL 2010	WINDLESAL EMMAXET MAKES FOR HING SOUTHER. ELECTRONIC TRACING SERVICES FOR OTHER BROWER GEALER CLIENTS.
UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	HRTF HRTF	0	POTAMUS TRADING LLC HUDSON RIVER TRADING (HRT)	HEPO HET HET	ROSTON NEW YORK	WWW.HUDGON-TRADING.COM	APRIL 2014 JULY 2018	ACTIVE	APRIL 2014 JULY 2008	WHO DESAY E MARKET WARKER COR NINS EQUITIES. ELECTRONIC TRACING SERVICES FOR OTHER BROWER DEALER CLIENTS. SINGLE DEALER PLATFORM.
UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	HRTX HRTX	0	POLYMONIA PROGRAM LECT HUDGOR PRIVET FRANKE (PRIT) HUDGOR PRIVET FRANKE		NEW YORK JERSEY CITY GREENWICH	WWW.HIDSON-TBJOHNS.COM WWW.HITSOTS.COM WWW.HITSOTS.COM	MAY 2008	ACTIVE	MAY 2018	SWIGE COLIEF PLATFORM. SWIGE COLIEF PLATFORM.
UNITED STATES OF AMERICA US	IATS IATS	0	INTERACTIVE BROKERS LLC - ATS	IATS	GREENWICH	WWW.INTERACTIVEBROKERS.COM	SEPTEMBER 2018	ACTIVE	SEPTEMBER 2018	INTS IS AN ALTERNATIVE TRACING SYSTEM OPERATED PURSUANT TO REGULATION ATS BY INTERACTIVE BROKERS LLC.
UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	ICEX XINS ICEL ICEL	5	SECTION TO THE SECTION OF THE SECTIO		NEW YORK NEW YORK NEW YORK	WWW MCHINET COM WWW TLANG COM WWW THICK COM	NOVEMBER 2008 JUNE 2005	ACTIVE ACTIVE	NOVEMBER 2008 JUNE 2005	CONTINUOUS BLOCK CROSSING DESTINATION FOR US EQUITIES.
UNITED STATES OF AMERICA US	ICES IFUS	5	ICE SWAP TRADE LLC		NEW YORK	WWW.THDCE.COM	DECEMBER 2013	ACTIVE	AUGUST 2013	SAMP ESSCRIPTION EACLIFY CALL HARMET COLOR PRICE, OR THE DIM'S YAMP FOR USEQUITES. SET FOR TRAINING OF SEEGLAL TO SEARCH.
UNITED STATES OF AMERICA US	ICSU BTEC	5	ICAP SEF (US) LLC.		JERSEY CITY	WWW.ICAP.COM	NOVEMBER 2005	ACTIVE	JULY 2004	SEAS DEPOSALS FERRAL OF THE SEAS A FROM A FRANCE AND A SEASON AND A SEASON AS
UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	IEPA IFUS IEND IEWS	S S	INVESTORS EXCHANGE - DARK	EX.	NEW YORK IERSEY CITY ATLANTA NEW YORK NEW YORK NEW YORK NEW YORK NEW YORK ATLANTA ATLANTA NEW YORK NEW YORK ATLANTA NEW YORK	WWW.THDCE.COM WWW.JEXTRASHING.COM	DECEMBER 2013 JULY 2017	ACTIVE	MARCH 2008 JULY 2007	
UNITED STATES OF AMERICA US	IDIG IDIG	0	INVESTORS EXCHANGE	EX	NEW YORK	WWW.IEXTRACKING.COM	SEPTEMBER 2016	ACTIVE	OCTOBER 2013	
UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	IFED IFUS	2	ICE RUTURES U.S. ENERGY DIVISION		NEW YORK	WWW.THICE.COM	DECEMBER 2013	ACTIVE ACTIVE	OCTOBER 2011	ELECTRONN'S PLATFORM TO TRACE PUTURES AND OPTIONS PRODUCTS. IFUS REPLACES MIC ICUS.
UNITED STATES OF AMERICA US	IMAG IFUS	5	ICE MARKETS AGRICULTURE		ATLANTA ATLANTA	WWW.THDCC.COM	DECEMBER 2013	ACTIVE	JUNE 2011	ELECTRONIC FLATORATO TRACE FUTURES, OPTIONS HAD OTC ADSCULTURAL PRODUCTS. ELECTRONIC FLATORATO TRACE FUTURES, AND ORDING REPORTED. FLATORATORATORATORATORATORATORATORATORATOR
UNITED STATES OF AMERICA US	IMCC FUS	5	CREDITEX SECURITIES CORPORATION		NEW YORK	WWW.THDCE.COM	FERRUARY 2020	MODIFIED	AUGUST 2013	ELECTRONIC MANEST FOR FOOD INCOME PRODUCTS.
UNITED TRATESTS OF MARRICA. UNITED TRATESTS OF MARRICA. US UNIT	TAME ADDRESS ADDRESS	S S	ROBERT WAN GEOGRAM WINDOWS COMMENT WINDOWS COMMENT WINDOWS COMMENT COMM		NEW YORK ATLANTA ORICAGO ATLANTA ATLANTA ATLANTA	www.wiset.com	JUNE 2015 DECEMBER 2017	ACTIVE ACTIVE	AUGUST 2013 JUNE 2011	ELECTION, CATEGORY TO THOSE PLETES AND OFFICE AND ADMINISTRATION OF ADMINISTRATION O
UNITED STATES OF AMERICA US	IMCS IMCS	0	INC FINANCIAL MARKETS		CHICAGO	WWW.IMC.COM	JUNE 2017	ACTIVE	JUNE 2017	ELECTRONIC TRADING PLATFORM
UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	IMEN IFUS	5	ICE MARKETS FOREIGN EXCHANGE		ATLANTA	WWW.THEILE.COM	DECEMBER 2013 DECEMBER 2013	ACTIVE ACTIVE	MAY 2011	ELECTRONIC TEMBERS ALTERIORAL ELECTRONIC PETRONIC PRINCIPAL RELATION PRODUCTS ELECTRONIC PETRONIC PRINCIPAL RELATION PRODUCTS ELECTRONIC TEMBERS ALTERIORAL PRODUCTS ELECTRONIC TEMBERS ALTERIORAL PRINCIPAL COMMUNICATION ELECTRONIC PRINCIPAL PRINCIPAL COMMUNICATION ELECTRONIC PRINCIPAL PRINCIPAL COMMUNICATION ELECTRONIC PRINCIPAL C
UNITED STATES OF AMERICA US	IMR FUS	S	ICE MARKETS RATES		ATLANTA NEW YORK	WWW.THDCE.COM	DECEMBER 2013	ACTIVE	OCTOBER 2011	SLECTROMIC PLATFORM TO TRACE CURRENCY PRODUCTS.
UNITED STATES OF AMERICA US	INCR INCR	9	INTELLIGENTEROSS		STAMFORD	WWW.INTELLIGENTCROSS.COM	OCTOBER 2019	ACTIVE	MAY 2018	INTELLIGENT CROSS MEDIOINT.
UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	ISDA ISDA ITGI ITGI	0	ISDAFIX ITG - POSIT		NEW YORK NEW YORK	WWW.ITG.COM	NOVEMBER 2012 MARCH 2013	ACTIVE ACTIVE	NOVEMBER 2012 DECEMBER 2005	SCREIN KEINCE FOR SWAP RATES FOR SWAP TRANSACTIONS WORLDWIDE. ATS
UNITED STATES OF AMERICA US	HEFK HEFK	0	IETX	#do	NEW YORK	WWW.IEFERIES.COM	JULY 2014	ACTIVE	JULY 2004	DARK POCK YOR NAS SQUITIES
UNITED STATES OF AMERICA US	JUGD JUGD JINST JINST	0	JANE STREET CAPITAL, LLC		NEW YORK	WWW.JANESTREET.COM	MARCH 2020	ACTIVE	MARCH 2020	CREAT STREET OR AND METER OR AND TRANSCRIPTION OF THE AND TRANSCRIPTION
UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	JPEX JPEX IDAK IDAK	0	PMS LLC	PEX	NEW YORK NEW YORK	WWW.JPMORGAN.COM WWW.JPMORGAN.COM/COUNTRY/LIS/EN/OR/MARKETS-INVESTOR-SERVICES/ACUA	JANUARY 2017 APRIL 2019	ACTIVE	JANUARY 2017 APRIL 2019	I.P. MORAN ATS
UNITED STATES OF AMBRICA US	IPMX IPMX	0	CO MANUTE DOUGH MINISTRATION OF THE PROPERTY	JPMX JX JX	NEW YORK STAMPORE STAMPORE NEW YORK NEW	WAR MICHAEL COM WAR MICHAEL CO	FEBRUARY 2012	ACTIVE	NOVEMBER 2015 NOVEMBER 2015 NEW 20	I A MORE AT SECURIOR TO SECURIOR AT SECURI
UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	ISES ISES ISEX ISEX	0	JANE STREET IXECUTION SERVICES LLC JANE STREET IX	DK DK	NEW YORK NEW YORK	WWW.JANESTREET.COM	APRIL 2014 JANUARY 2016	ACTIVE ACTIVE	APRIL 2014 JANUARY 2016	LELECTRONIC TRADROG MATCHAN MARKET CAPITAL LLC)
UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	KNCM KNG	S	INIGHT CAPITAL MARKETS LLC		JERSEY CITY	WWW.INIGHT.COM	MAY 2000	ACTIVE	MAY 2010	SEM REMARKS ORBERTS AS A MARKET AMERICA IN THE OWNER THE COUNTRY MARKET FOR HIM YORK STOCK DECOMES AND AMERICAN STOCK DECOMES SECURITIES.
UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	KNEM KNIG KNIG KNIG	S 0	RINGHT LIQUITY MARKETS LP		JERSEY CITY	WWW.RNIGHT.COM	MAY 2000 MARCH 2003	ACTIVE ACTIVE	MARCH 2013	ISMM OPERATION ON AMMERIT - MANGRAIN OLVEN HITE-COUNTER EQUITY SECURITIES, PREMARILY THOSE TRADED IN THE MASSAGE STOCK MARRET AND ON THE ONE DELETIN BOARD.
	KNLI KNIG	s	INICIAT INIC MANOST CAPITAL LATAMEN	LAMP	JERSEY CITY	WWW.INIGHT.COM	DECEMBER 2008	ACTIVE	DECEMBER 2008	DISTRIBUTE MARKET MARKED ALTERNATIVE LICHINGTY REGINDER DID IS AND ELIGIBATE STOCKS.
UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	LASF LASF	0	LATAM SEF		BOCA BATON NEW YORK NEW YORK SOSTON NEW YORK SOSTON NEW YORK NEW YORK NEW YORK SOSTON NEW YORK SOSTON NEW YORK	WWW LATAMSEF COM	JULY 2014	ACTIVE	JULY 2004	US BIOCHE CÉCLES. JURIO SECULTOR INCLUTO RE CULTO MARRICA COL CORNINTINES TRANSE AND CLIRANIE AL AUTORIANTE COLORISATO CORNINTINES TRANSE AND CLIRANIE AL AUTORIANTE CORNINTINES.
UNITED STATES OF AMERICA US	LEDG LEDG	0	LEDGERK LEVEL ATS	IEVE	NEW YORK BOSTON	WWWTEDERK COM	JUNE 2017 EE001142V 2007	ACTIVE	SUNE 2017 EEBB 1489 2007	TRADING AND CLEARING PLATFORM FOR DIGITAL CURRENCY DERIVATIVES.
UNITED STATES OF AMERICA. UNITED STATES OF AMER	LIFI LIUS	s	Uniceda Control Contro	LEVEL LONE LONA LONT LANCE	NEW YORK	WWW.LiquioneT.com	DECEMBER 2015	ACTIVE	DECEMBER 2015	TRADES OF CLARRIE A PUTTINISTED DIES CONTROL CRIBBOT ENTROLET. THE DIES CHARGE CHARGE CONTROL CRIBBOT ENTROLET. THE DIES CHARGE CHARG
UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	LIUS LIUS	5	LIQUIDNET, INC. 100 ATS	LONE	NEW YORK NEW YORK	WWW.LIQUIDNET.COM	NOVEMBER 2014 JULY 2014	ACTIVE	NOVEMBER 2014 JULY 2014	THE RICO ATS ORE LIQUIDANT, INC. US REGISTERED BENERE DELETE OPERATING THIS ATS AND OFFERING TRACINGS AND ALGORITHME TRACINGS SERVICES.
UNITED STATES OF AMERICA US	LMMX LTAA	s	LUMINEX TRACING & ANALYTICS LLC - ATS		BOSTON	WWW.LUMINETRADING.COM	JULY 2015	ACTIVE	JULY 2005	ASS CECTIONS: TRANSC ANTONIO DI LI TRICIPI SECURITE CECTIONS: TRANSC ANTONIO DI LI TRICIPI SECURITE CECTIONS: TRANSC ANTONIO DI CECTIONI SILONI DALI DI CECTIONI DI CECTIONI ANTONIO DI CECTIONI DI CECTIO
UNITED STATES OF AMERICA US	LQFI CGMI	s	OTHQUIR	LQFI	NEW YORK	WWW.CITWELOCITY.COM	SEPTEMBER 2014	ACTIVE	SEPTEMBER 2014	LELE HONEL FOR HONELON AND HONE OLS HEARDER'S ELORIFIES. LUQUIFI IS AND SURGE THE OFFICE PARTIES ME COOM.
UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	LTAA LTAA LTSE LTSE	0	LUMINEX TRACING & ANALYTICS LLC LONG-TERM STOCK EXCHANGE, INC.	LOFI LTAA LTSE	BOSTON SAN FRANCISCO	WWW.LONGTERMSTOCKENCHANGE.COM	JULY 2015 DECEMBER 2019	ACTIVE	DECEMBER 2019	BIORIS DEALER ANATOMALIS AGESTISED STOCK EXCHANGE.
UNITED STATES OF AMERICA US	MAGM MAGM	0	MAGMANIS		NORTH BERGEN	WWW.TOREROXERAGE.COM	FEBRUARY 2018	ACTIVE	FEBRUARY 2018	REGISTERED ALTERNATIVE TRADING SYSTEM FOR EQUITIES.
UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	MCRY XISX MELO XNAS	S S	NASDAQ MIDPOINT-ELO (M-ELO)	MELO	NEW YORK NEW YORK	WWW.NASDAQTRADER.COM	OCTOBER 2014 APRIL 2018	ACTIVE	JUNE 2005 APRIL 2018	ISE MERCLEY WILL BE A NATIONAL SCUBRISS EXCHANGE REGISTERD WITH THE US SEC. ISE MERCURY WILL FACILITATE THE ELECTRONIC TRACING OF EQUITY AND INSEX OPPICIALS, TARGETED LAUNCH FIRST HALF OF 2015. MICHAEL PROPERTY EXCEPTION FOR THE DEED FOR THE SECRET FACILITATE THE ELECTRONIC TRACING OF EQUITY AND INSEX OPPICIALS, TARGETED LAUNCH FIRST HALF OF 2015.
UNITED STATES OF AMERICA US	MEMX MEMX	0	MEMOCILC	MELO MEMIX MBHI	JERSEY CITY	HTTPS://MEMICCOM/	FEBRUARY 2020	ACTIVE	FEBRUARY 2020	NO DIEST COMMAND TO MAKE PROMISED THE DESTRUCTION OF THE PROMISED THE
UNITED STATES OF AMERICA US	MICAA MIDOX	s	MARKITANESS ATS		NEW YORK	WWW.MARKETANESS.COM	AUGUST 2009	ACTIVE	AUGUST 2019	RECOSTREE OF A TERMANING TRANSPORT AND CONTROL BELL IN CONTROL
UNITED STATES OF AMERICA US	MLCO BAML	S	BANK OF AMERICA - MERRILL LYNCH OTC BANK OF AMERICA - MERRILL LYNCH WAND CROSS		NEW YORK NEW YORK	HTTP://CORP.BANKOFAMERICA.COM/BUSINESS/CUTRADER-INSTINCT	APRIL 2015 CC001142Y 2015	ACTIVE	APRIL 2015 CERRITARY 2015	INCLUDING COMMANT ROLLMANGS AND OTHER BUTTES. USES THE WITH TRANSPORT OF SHEET TO CHAN'S ROLLMANGS. USES THE WITH TRANSPORT SHEET TO CHAN'S ROLLMANGS. USES THE WITH TRANSPORT SHEET TO CHAN'S ROLLMANGS. WHICH THE WITH TRANSPORT SHEET TO CHAN'S ROLLMANGS. WHICH THE WITH COMMAN THE WITH T
UNITED STATES OF AMERICA US	MOCK NINS	5	MOC CROSS	MOCK MPRL	NEW YORK	WWW.INSTINET.COM	FEBRUARY 2015	ACTIVE	FEBRUARY 2015	POINT IN TIME CHOSSES THAT ALLOWS PHATHCH PANTS TO CROSS MOC ORDERS FOR US EQUITIES.
UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	MPS. Milel MSCO MSCO	0	MIAX PEARL, LLC MORGAN STANLEY AND CO. LLC	MPRL	PRINCETON NEW YORK	WWW.MIAROPTIONS.COM WWW.MORGANSTANLEY.COM	NOVEMBER 2014	ACTIVE	NOVEMBER 2014	MAX PLARE: ELECTROMIC TRAINING FOR DISPIRITIVES.
UNITED STATES OF AMERICA US	MSPL MSCO	5	MS POOL		NEW YORK	WWW.MORGANSTANLEY.COM	MARCH 2005	ACTIVE	MARCH 2010	RESISTED ATS OR COUNTS IN THE U.S.
UNITED STATES OF AMERICA US	MSTX MSCO	s	MS TRAICCTORY CROSS		NEW YORK	WWW.MORGANSTANLEY.COM	MARCH 2005	ACTIVE	APRIL 2014	WITERAL DESIGNED STATEMENT OF EQUITIES
UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	MTSS MTUS	S 0	MFS BONDS COM MFS MARKETS INTERNATIONAL INC.		NEW YORK NEW YORK	WWW.MTSWARKETS.COM/PRODUCTS/MTS-BONDS-COM WWW.MTSWARKETS.COM	AUGUST 2004 MAY 2007	ACTIVE ACTIVE	AUGUST 2014 AUGUST 2014	REGISTERED MARRAT FOR BRONDS AND ELECTRONIC TRACING PLATFORM FOR FINED INCOME PRODUCTS MITS MARRATE LIS
UNITED TRATES OF AMERICA. UNITED TRATES OF AMER	MEXA MEX	S	MARKITAKESS CANADA COMPANY		PRINCETON NEW YORK	WWW.MARKETANESS.COM	JANUARY 2016	ACTIVE	JANUARY 2016	MONOMINE THE THIRD CONTROL THE CONTROL THE
UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	MTXX MTXX MTXM MTXX	S S	MARKETAKESS CORPORATION SINGLE-NAME COS CENTRAL LIMIT ORDER MARKETAKESS CORPORATION MID-K TRADING SYSTEM		NEW YORK	WWW.MARKETARESCOM	NOVEMBER 2005 NOVEMBER 2005	ACTIVE ACTIVE	FEBRUARY 2014 FEBRUARY 2014	LIALL FARME, FEMORING PARA JOHNS CLECTROMOTE FARMOR PARA FARME
UNITED STATES OF AMERICA US	MINS MINS	5	MARKETAKES SEF CORPORATION MARKETAKES CORPORATION		NEW YORK	WWW MARKETANESS COM	NOVEMBER 2005	ACTIVE	SULY 2004 NOVEMBER 2017	ELICTORY TRANSPERIOR
UNITED STATES OF AMERICA US	NASD XNAS	5	NSDQ DARK	NSDQDARK	NEW YORK	WWW.NASDAQ.COM	MAY 2001	ACTIVE	MAY 2011	ELTTOIN: TRANSPORTATION THE NORTH MARKET VALLET ON CHAPTOCAMME AND DIGITAL ARREST.
UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	NELX NELX NESA NESC	5	NUME EXCHANGE RDELITY CROSSTREAM		NAW YORK BOSTON	WWW.RUBLIX.IU WWW.CARTALMARETS.RDEUTY.COM	JULY 2015 SEPTEMBER 2014	ACTIVE ACTIVE	APRIL 2012	
UNITED STATES OF AMERICA US	NESC NESC	0	Les MARCINES DE CONTROLLES DE		NEW YORK NEW YORK NEW YORK NEW YORK REWYORK ROSTON ROSTON ROSTON ROSTON	HET PLOTE AN AMMONANCE COMPANIES CHANGE METER HET PLOTE AN AMMONANCE COMPANIES CHANGE METER HET PLOTE AND AMMONANCE CHANGE	FERRUARY 2011	ACTIVE	FEBRUARY 2011	TRAINING PLATFORM FOR THE EXECUTION OF EQUITY, OPTION, FIRED INCOME, AND OTE SECURITIES. Large APPLY
UNITED STATES OF AMERICA US	NLAX CPGX	5	CLEARPOOL EXECUTION SERVICES, LLC - NATURAL LIQUIDITY ALLIANCE		NEW YORK	WWW.CLEARPOOLGROUP.COM	MARCH 2009	ACTIVE	MARCH 2019	ELECTRONIC TRADING PLATFORM
UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	NMRA NMRA NODX NODX	0	FIGURE TO ME AND THE PROPERTY LIFE. VANIAL UNDERFER ALLBACK HOUSE ACCURATE THE PROPERTY LIFE. AND THE PROPERTY LIFE. HOUSE ACCURAGE AND THE PROPERTY LIFE. HOUSE AND THE PROPERTY LIFE. HOUSE ACCURAGE AND THE PROPERTY LIFE.		NEW YORK NEW YORK VERNAL NEW YORK	I WAN CASARDON CASARD CASARD WAN AND CASARDON CASARDON CASARDON WAN AND CASARDON WAN AN	SEPTEMBER 2012 DECEMBER 2009	ACTIVE	DECEMBER 2002	DIGITION. THOSE AUTOMATICATION ALTERIOR FOR SECURISE ALTERIOR FOR
UNITED STATES OF AMBRICA US	NXUS NXUS	0	NK ATS - CROSSING PLATFORM MILLENNIUM		NEW YORK	WWW.NDMURA.COM	FEBRUARY 2011	ACTIVE	FEBRUARY 2011	MINE, ARRESTINGS ATEN IN BUT MANASTE. CHIRACTIC MERCHINE FOR DESCRIPTION OF THE CONTROL OF THE C
UNITED STATES OF AMERICA US	NYMS NEME	5	CME SWAPS MARKETS (NYMEX)		NEW YORK	WWW.CMEGROLP.COM	OCTORER 2013	ACTIVE	OCTORER 2013	RECEITED MAKET FOR SHAPP EXCUSION, OF DERBOT WITH THE US
UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	NYPC NYPC NYSD XNYS	0 5	NEW YORK PORTFOLIO CLEARING NYSE DARK	NYPC NYSEDARK	NEW YORK NEW YORK	WWW.NYSC.COM	APRIL 2012 MAY 2001	ACTIVE ACTIVE	APRIL 2012 MAY 2011	
UNITED STATES OF AMERICA US	orre orre	0	OTCEXILC		NEW YORK	WWW.DTCEXCROUP.COM	SEPTEMBER 2015	ACTIVE	SEPTEMBER 2015	ASSISTABLE BROKER FOR EQUITES SERVATIVES AND BATES DERIVATIVES AND BATES DERIVATIVES AND BATES DERIVATIVES AND THE PROPERTY OF
UNITED STATES OF AMERICA US	OOTC FINR OPRA OPRA	0	THE THE STATE OF T	OPRA	OHEAGO	WWW.DPRIORITACOM	APRIL 2013 DECEMBER 2011	ACTIVE	DECEMBER 2011	DIGITIONS. THOSE COMMISSION OF A COLUMN CO
UNITED STATES OF AMERICA US	OTCH OTCM	s O	OTCOR MARKETPLACE		NEW YORK	WWW.DTCMARKETS.COM	MAY 2000	ACTIVE	MAY 2010	OTCOS MARKET TICK HELD INVESTORS EASILY IGNITIFY COMPANIES THAT ARE REGISTERED AND CURRINT IN THEIR REPORTING OBLIGATIONS WITH THE SEC OR REPORT TO A U.S. BANGING OR INQUENIES REGULATOR. DORSENTING HE OFF ORT MARKET.
UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	OTEN OTEN	0	OTC LINK SCN		NEW YORK	WWW.OTCHMANITS.COM	MARCH 2009	ACTIVE	MARCH 2019	ELECTROMIC COMMUNICATIONS NETWORK
UNITED STATES OF AMERICA US	OTCQ OTCM	S	OTC PINK CURRENT		NEW YORK NEW YORK	WWW.OTCHARKETS.COM	MAY 2006 MAY 2002	ACTIVE ACTIVE	AUGUST 2008 MAY 2012	ELECTRONIC QUOTATION SYSTEM FOR PREMIUM MARKET TER (DISEASED BY PINE SHEETS)
UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	PINI OTOM	5	OTC PINK NO INFORMATION		NEW YORK	WWW.OTCMARKETS.COM	MAY 2002	ACTIVE	MAY 2012	
UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	PINK OTCM	S .	OTC PINK MARKETPLACE		NEW YORK	WWW.DTCMARKTS.COM	MARCH 2002	ACTIVE	MARCH 2012	
UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	PIPE PIPE PIPE PIPE	0	ARITAS SECURITIES LLC PRES SANDLES AND CO.		NEW YORK GREENWICH	WWW.PPELINETRADING.COM WWW.PPERSANDLER.COM	FEBRUARY 2012 FEBRUARY 2021	ACTIVE MODIFIED	FEBRUARY 2012 NOVEMBER 2019	REGISTRED MARKET FOR COUNTS.
UNITED STATES OF AMERICA US	PICX PIPR	s	PRES SANDLES AND CO ATS		GREENWICH	WWW.PRESANDLER.COM	FEBRUARY 2020	MODIFIED	NOVEMBER 2019	RECOTTING MAKET FOR EQUITES ATTERNOR TRANSPORTING RECOTTING MAKET FOR EQUITES RECOTTING MAKET FOR EQUITES
UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	PRSE PRSE PSGM CTCM	5	DTC GREY MARKET		NEW YORK	WWW.OTCMARKETS.COM	DECEMBER 2010 MARCH 2012	ACTIVE ACTIVE	MARCH 2012	MAGASTANDATS AND REQUISION
UNITED STATES OF AMERICA US	PSID NNAS	\$	Of the COMMAN AND AND AND AND AND AND AND AND AND A	PSX PUMA PUMA	NEW YORK NEW YORK NEW YORK NEW YORK NEW YORK NEW YORK GEDWINCH GEDWINCH GEDWINCH NEW YORK GEDWINCH NEW YORK NEW	WWW.NASDAQTRADER.COM	OCTOBER 2029	ACTIVE	OCTOBER 2019	NON-DISTRANTO (DANIE) DISCUTIONS.
UNITED STATES OF AMERICA US	PUMA PUMA	5	PUMA CAPITAL, LLC - OPTIONS	PUMA	PURCHASE	WWW PUMCAP.COM	APRIL 2019	ACTIVE	APRIL 2019	US BOOKES CALEE.
UNITED STATES OF AMERICA US	RCMA RCMA	0	REC CAPITAL MARKETS ARBITRAGE S.A. BYERCROSS DARK	RIVERX	NEW YORK NARBERTH	WWW.RNTS.COM	SEPTEMBER 2019 MAY 2011	ACTIVE ACTIVE	SEPTEMBER 2009 MAY 2011	DARK POOL.
UNITED STATES OF AMERICA US	RICX RICX	0	BVERCROSS		NARBERTH	WWW.ROATS.COM	MAY 2001	ACTIVE	MAY 2011	RIVERCEDOSS" IS AN ALTERNATIVE TRADING DYSTEM JATS OPERATED PURSUANT TO REQUIATION ATS BY EVERCEDOS SECURITES, LLLP, PROVIDING A SECURE AND COMPRISENTIAL LIQUIDITY SQUEET FOR U.SRECISTERED BROKEN CHARLES AND THEIR CLIENTS.
UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	SAGE SAGE SCHA SCHO	0 5	SAGETRADER SEED DIGITAL SECURITIES MARKET			WWW.SEEDCX.COM	MAY 2009 AUGUST 2008	ACTIVE ACTIVE	MAY 2019 AUGUST 2018	EMERICA LINEAU. ELECTRONIC TRADING PLATFORM FOR SECURITIES, ALTERNATIVE TRADING SYSTOM (ATS).
UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	SOF SOO	5	SEED PUTURES SEED PUTURES SEED PUTURES			WWW.SEEDCX.COM	OCTOBER 2017	ACTIVE	OCTOBER 2017	DESCRIPTION OF THE PROPERTY OF
	SOM SOID SOID SOID	2		SEED CX	OHCAGO OHCAGO	WWW.SEDCX.COM WWW.SEDCX.COM WWW.SEDCX.COM	AUGUST 2008 OCTOBER 2017	ACTIVE	OCTOBER 2017	
UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US	SDIS SDID	5	SED CK SED SEC SED SED SED SEC SED SED SED SED SED SED SED SEC SED	SGAS	OHICAGO NEW YORK	WWW.SEDCK.COM WWW.SEDE.COM	AUGUST 2008 FERRUARY 2019	ACTIVE ACTIVE	JULY 2006 FEBRUARY 2019	GLECTIONS: TRACKING PLATICIAN FOR SHAPE, SHAPE MERCUTOR PACKETY (RES). US BROWN GRAVELS. SCHEFFER MERCUTOR SHAPE SHAPE STATE (STATE SHAPE
	SGMA SGMA	0	GOLDMAN SACH MITF		NEW YORK	WWW2 GOLDMANSACHS COM	MARCH 2008	ACTIVE	MARCH 2008	GCS MTS. IMPLIMENTATION DATE: FEBRUARY 15T 2008
UNITED STATES OF AMERICA US	SGMT GSCD SHAD SHAW	S S	SCMA IZ D.E. SHAW DARK	SGMT	NEW YORK NEW YORK	WWW.GOLDMANSACHS.COM WWW.DESHAW.COM	JUNE 2017 MAY 2001	ACTIVE ACTIVE	DECEMBER 2016 MAY 2011	SOUNCE (SAME) IS THE ATS OF REGISTERCE RECHER GOLDMAN SACHS & CO (SCCO). DURKE FOLD.
UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US UNITED STATES OF AMERICA US UNITED STATES OF AMERICA	SHAW SHAW	ő	D.E. SHAW		NEW YORK	WANNE BESCHOOLSTEN AND AND AND AND AND AND AND AND AND AN	MAY 2011	ACTIVE	MAY 2011	
UNITED STATES OF AMERICA US		0	SMALL EXCHANGE, INC - DESIGNATED CONTRACT MARKET TWO SIGNA SECURITIES, LLC	SOHO	NEW YORK	WWW.THISSMALLEXDUNGE.COM WWW.TWOSIGMASECURITIES.COM	FEBRUARY 2029 AUGUST 2004	ACTIVE ACTIVE	FEBRUARY 2019 AUGUST 2014	DESIGNATIO CONTRACT MARKET. MARKET MARKET GOUS EXCHANGED USTRO EQUITIES
UNITED STATES OF AMERICA US UNITED STATES OF AMERICA	SONO SONO									
UNITED STATES OF AMERICA. US SUNTED STATES OF AMERICA. US	SONO SONO SSTX SSTX	0	E-DICHARGE	EEXCHANGE	BOSTON		MARCH 2012	ACTIVE	MARCH 2012	STYMMENT YAMME CHITAL
UNITED STATES OF AMERICA UNITED STATES OF AMERICA US	SOHO SOHO SSTX SSTX SSTX STIX STIX STIX SUNT	0 0	L-ESICHANGE STIFEL, NICOLAUS AND COMPANY, INCOPPORATED SUIT TRACING LIC SUIT TRACING LIC	SOHO EEXCHANGE STFL	ROSTON NEW YORK CHICAGO	MANAGEMETADANCES COM	MARCH 2012 JANUARY 2020 OCTOBER 2017	ACTIVE ACTIVE	JANUARY 2020 OCTOBER 2017	ALTERNATIVE TRACING SOTTERA. SINGLE CRAILE PLATFORNI FOR US EQUITES.
LIMITED STATES OF AMERICA. US CONTRETE STATES OF AMERICA. US	100 100	0 0 0	GOLDON SOL MAT 15. SOME TO SOL	EEXCHANGE STFL TFS THEM RSSF	CHICAGO CHICAGO CHICAGO NEW YORK NEW YORK NEW YORK NEW YORK NEW YORK CHICAGO NEW YORK CHICAGO NEW YORK NEW YORK CHICAGO NEW YORK NEW Y		MARCH 2012 JANUARY 2020 OCTOBER 2017 DECEMBER 2012 MARCH 2012	ACTIVE ACTIVE ACTIVE ACTIVE	STORAGE 2016 STOR	ALTHRONIC BRANCK SCHILD AND SCHILD AND SCHILD AND SCHILD AND SCHILD AND SCHILD AND SCHILD AND SCHILD AND SCHILD AND SCHILD AND SCHILD AND SCHILD AND SCHILD AND SCHILD AND SCHILD AND SCHILD AND SCHILD AND SCHILD AND SCHI

COUNTRY	ISO COUNTRY COOK (ISO 2166)	MIC OPERATING	MIC 0/S	NAME-INSTITUTION DESCRIPTION	ACRONYM	CITY	WEBSTE	STATUS DATE	STATUS	CREATION DATE	COMMENTS
UNITED STATES OF AMERICA UNITED STATES OF AMERICA	is .	TMCC IFUS TMID TMID		TIME BONDS, LLC		NEW YORK NEW YORK	WWW.TRUMD.COM	NOVEMBER 2019 ACT MARCH 2017 ACT	CTIVE	NOVEMBER 2019 MARCH 2017	ELECTRONIC PLATFORM TO TRACE DISCO. INC. DOM PRODUCTS. BEGISTRON DATE ORDER DISCOURT PRODUCTS. BEGISTRON DATE ORDER DAT
UNITED STATES OF AMERICA		TPSE TPSE	0	P SE INC.		JERSEY CITY	WWW.TULLETTPRERON.COM	DECEMBER 2016 ACT		DECEMBER 2016	HALLIST INDICATES HER CONDUCTOR LIGHTED CHARLET SWAPS. SWAPP ENCOUNTER CONTROL PROCESSOR CONTROL SWAPS.
UNITED STATES OF AMERICA	is .		0	TRAMA INC		WILMINGTON	WWW.TRANA.COM	JANUARY 2020 ACT	CTIVE	JANUARY 2020	
UNITED STATES OF AMERICA		TROX TROX TROX TROX	0	TRACK DON TOWER RESEARCH CAPITAL TROX		NEW YORK NEW YORK	WWW.TRACKECN.COM	DECEMBER 2010 ACT		DECEMBER 2010 JUNE 2019	US ELECTRONIC COMMUNICATION NETWORK (ECN) FOR US EQUITIES.
UNITED STATES OF AMERICA			0	TOWER RESEARCH CAPITAL TRCX TRUESY I.C., DESIGNATED CONTRACT MARKET IDAM'S		NEW YORK NEW YORK	WWW.TOWER-RESEARCH.COM				DESIGNATED CONTRACT MARKET-ELECTRONIC MARKET FOR TRADING PUTURES, OPTIONS ON PUTURES, SINAPS AND OTHER DESPIVATIVES
UNITED STATES OF AMERICA	is :	TRU2 TRUX	ŝ	TRUEDXLLC - SEF (SWAP EXECUTION FACILITY)		NEW YORK	WWW.TRUEEX.COM	JULY 2014 ACT	CTIVE	JULY 2004 JULY 2004	SWAP EXECUTION FACILITY - GLECTRONIC MARKET FOR TRADING SWAPS
UNITED STATES OF AMERICA		TRUX TRUX	0	TRUEDXLLC		NEW YORK	WWW.TRUEEX.COM	SEPTEMBER 2013 ACT	CTIVE	SEPTEMBER 2013	ELECTRONIC MARKET FOR TRADING PUTURES, OPTIONS ON PUTURES, SWAPS AND OTHER DEPRVATIVES
UNITED STATES OF AMERICA UNITED STATES OF AMERICA		TRWS TRWS		TRADEWEB LLC TRADITION SECURITIES AND DERIVATIVES INC.		JERSEY CITY	WWW.TRACKING COM	JUNE 2005 ACT FERRUARY 2017 ACT		JUNE 2005 FEBRUARY 2017	
UNITED STATES OF AMERICA	is i	TSAD TSAD TSBX TSBX	0	DROT ATS, LLC	TORG	NEW YORK WILMINGTON	WWW.DROTTRADING.COM	MARCH 2018 ACT	CTIVE	MARCH 2013	ATS FOR UNUSTED OTC EQUITIES.
UNITED STATES OF AMERICA	is :	TSEF TSEF	0	TRADITION SEF		NEW YORK	WWW.TRADITIONSEF.COM	JULY 2014 ACT		JULY 2004	MILITI-ASSET CLASS SWAP EXECUTION FACILITY (SEP)
UNITED STATES OF AMERICA UNITED STATES OF AMERICA	is :	TWSF TRWB UBSA UBSA		TWISEFULC	TWSEF	NEW YORK	WWW.TRADWER.COM WWW.LIBS.COMWTS	JULY 2014 ACT MAY 2006 ACT	CTIVE	JULY 2004 FEBRUARY 2012	ELECTRON'S PATIONS FOR TRAINING IN OWARP AND DEFINATIONS REGISTRON CHARANTHY TRAINING SYSTEM PRICE ORDER OF SECURITIES REGISTRON CHARANTHY TRAINING SYSTEM PRICE CROSSES ROSES WAS EQUITIES.
UNITED STATES OF AMERICA		UBSP UBSA		UBS PIN (UBS PRICE IMPROVEMENT NETWORK)	UNDAIS	NEW YORK NEW YORK	WWW.UBS.COM/ATS	MAY 2006 AC	CTIVE	MARCH 2012	MALISTI SIGLO ALTERNATURE HALLING SYSTEM WHAT CHARGES AND AS EQUITES. WES PRICE IMPROVEMENT INTERVAL THE CHARGES AND AS EQUITES. WES PRICE IMPROVEMENT INTERVAL THE CHARGES AND AS EQUITES.
UNITED STATES OF AMERICA			0	UBS SECURITIES LLC		NEW YORK	WWW.UBS.COM		CTIVE	FEBRUARY 2018	DISTRONAL TRAINING BY ATCOMA COR STORM COR STORM COR.
UNITED STATES OF AMERICA		VARD IFUS	s	BONDPOINT		NEW YORK	WWW.THDCE.COM	FEBRUARY 2018 ACT		NOVEMBER 2017	BONGPOINT ATS IS OPERATED BY CREATER SECURITIES CORPORATION.
UNITED STATES OF AMERICA UNITED STATES OF AMERICA		VALX VUSA	- 5	VIRTU CLIENT MARKET MAKING VIRTU MATCHET - CONDITIONAL ROOM	VCMM XCGM	NEW YORK NEW YORK	WWW.VIRTU.COM WWW.VIRTU.COM	DECEMBER 2018 ACT NOVEMBER 2018 ACT		NOVEMBER 2018	VIETU CUENT MARKET MARKET MAKKE IS A WHOLESALE MARKET MAKER AND BLOCK POSITIONER IN DTC AND NMS US EQUITIES.
UNITED STATES OF AMERICA	is I	VCRS VUSA VERT VERT	0	VERTICAL	VERT	NEW YORK	WWW.VERTGEP.COM			MAY 2017	MARKET MAKERS OF NACONO AND PINK SHEET SECURITIES.
UNITED STATES OF AMERICA		VFCM VFCM	0	VIRTU RNANCIAL CAPITAL MARKETS LLC	VFCM	NEW YORK	WWD,UTRIV.WWW			APRIL 2016	ELECTRONIC TRADING PLATFORM FOR US EQUITIES.
UNITED STATES OF AMERICA UNITED STATES OF AMERICA	is I	VFMI VUSA		VIRTU MATCHT - MAIN CROSSING SESSION VIRTU RNANCIAL BD	XCGM	NEW YORK NEW YORK	WWW.VRTU.COM	NOVEMBER 2008 ACT MARCH 2007 ACT		MOVEMBER 2018 MARCH 2017	ALTERNATIVE TRACEME SHETER FOR US SQUITTES EXECUTING VIRTUS WHOLESHE, INSTITUTIONAL, CLIENT AND 900-9 FLOW. CH WEGISTERS BOOKED GALER.
UNITED STATES OF AMERICA		VTEX BNYC		VINETEY CONTRACTOR OF THE CONTRACTOR OF T	wq	NEW YORK	WWW.NRIO.COM	MARCH 2009 AC	CTIVE	MARCH 2017 MARCH 2009	CAN REGISTRAD BROWNS COLLEGE. ADMILLION REGISTRATION COLLEGE.
UNITED STATES OF AMERICA	is !	VUSA VUSA	0	WRTU AMERICAS LLC	VAL	NEW YORK	WWX.WRTU.COM		CTIVE	NOVEMBER 2018	BROWER DEALER OPERATING DTC AND ON EXCHANGE MARKET MAKING BUSINESSES AND EXECUTION SERVICES DIVISION IN US EQUITIES.
UNITED STATES OF AMERICA UNITED STATES OF AMERICA			0	WELLS FARGO SECURITIES, LLC - CASH EQUITIES	WFS	CHARLOTTE	WWW.WELSFARGO.COM/COM/SECURITIES/WARKETS/ WWW.WSACCESS.COM	AUGUST 2008 ACT FEBRUARY 2015 ACT	CTIVE	AUGUST 2018 FEBRUARY 2015	MARKET FOR CASH COLUMES TRAINING. LICELTRON, TEMPOR PLATFORM FOR US EQUITIES.
UNITED STATES OF AMERICA UNITED STATES OF AMERICA	is I	WSAG WSAG XADF FINR	0	WALL STREET ACCESS RNRA ALTERNATIVE DISPLAY FACILITY (ADF)	WSAG	NEW YORK WASHINGTON/NEW YORK	WWW.FINRA.ORG	APRIL 2013 ACT	CTIVE	JANUARY 2013	ELECTRONIC TRADNIC PLATFORM FOR US COLUMNS. THE ACTION AND USE GRAW PACILITY BODG SAM SOOL SERVAY ONLY FACILITY THAT IS COREATED BY FIRMA.
UNITED STATES OF AMERICA		XAQS XAQS XAGE XIVS	0	AUTOMATED EQUITY FINANCE MARKETS	AQS	NEW YORK	WWW.QUADRISERV.COM	OCTOBER 2008 ACT	CTIVE	OCTORER 2008	ASS COST DECEMBRISH, AND EXPOSED WHITE OF THE PROPERTY OF THE
UNITED STATES OF AMERICA		XAGE XIVYS	5	NYSE MICT LLC	AMEX	NEW YORK	WWW.NYSE.COM	JUNE 2012 ACT	CTIVE	MAY 2009	INISE ALTERNET MAS CHANGED THEIR NAME TO INISE AMERICALITIES
UNITED STATES OF AMERICA UNITED STATES OF AMERICA		XBOS XNAS XBOX XBOX	5	NASDAQ OMX BX BOX OPTIONS EXCHANGE	acx acx	NEW YORK BOSTON	WWW.NASDAQOMXTRADER.COM WWW.NEXDEFTIONS.COM			APRIL 2012 JUNE 2005	NARDIAQ OME HAS ACQUIRED THE ROSTON STOCK ENCHANCE (RISE).
UNITED STATES OF AMERICA	15	XBRT XNAS	5	BRUT DON	BRUT	NEW YORK	WWW.NASDAQTRADER.COM	JUNE 2005 ACT	CTIVE	JUNE 2005	
UNITED STATES OF AMERICA		XXXX XNAS	s	NASDAQ OMX BX OPTIONS		NEW YORK	WWW.NASDAQOMETRADER.COM	APRIL 2012 ACT	CTIVE	APRIL 2012	ELECTRONIC MARKET FOR TRADING US LISTED DIREVATIVES.
UNITED STATES OF AMERICA UNITED STATES OF AMERICA	15	XCBF XCBO XCBO XCBO	s	CROS FUTURES EXCHANGE CROS GLOBAL MARKETS INC.	CFE	OHCAGO OHCAGO	WWW.CFE.CBDE.COM HTTP://MARKETS.CBDE.COM/	JULY 2008 ACT JUNE 2018 ACT	CTIVE	JULY 2008 JULY 2008	FOR RUTURES
UNITED STATES OF AMERICA UNITED STATES OF AMERICA	15	XCBO XCBO XCBT XCBT	0	CRICAGO BOARD OF TRADE	CROT	OHCAGO	WTTP://MARKETS.CBGE.COM/	JUNE 2018 ACT	CTIVE	JULY 2008 JUNE 2005	
UNITED STATES OF AMERICA	15	XCEC XNVM	5	COMMODITIES EXCHANGE CENTER	COMEX	NEW YORK	WWW.NYMEX.COM	JUNE 2005 ACT	CTIVE	JUNE 2005	
UNITED STATES OF AMERICA		XCFF XCFF	0	CANTOR FINANCIAL FUTURES EXCHANGE	CANTOR	NEW YORK	WWW.CANTOR.COM	JUNE 2005 ACT		JUNE 2005	
UNITED STATES OF AMERICA UNITED STATES OF AMERICA		XCHI XNYS	- 5	NYSE CHICAGO, INC. NYSE NATIONAL INC.	CHX	NEW YORK	WWW.NYS.COM	FEBRUARY 2029 ACT		JUNE 2005 JUNE 2005	
UNITED STATES OF AMERICA	is i	XCIS XNYS XCME XCME	0	OHCAGO MERCANTILE DICHANGE	CME	CHICAGO	WWW.CME.COM	FEBRUARY 2029 ACT JUNE 2005 ACT	CTIVE	JUNE 2005	
UNITED STATES OF AMERICA	15	XCUR XCUR	0	CURRENEX		NEW YORK	WWW.CURRENEX.COM	FEBRUARY 2009 ACT	CTIVE	FEBRUARY 2009	
UNITED STATES OF AMERICA UNITED STATES OF AMERICA	15	XELX XELX XFCI FICO	0	ELX RNANCIALCONTENT - INDEXES		NEW YORK SAN CARLOS	WWW.ENSUTURES.COM WWW.FINANCIACONTENT.COM	JUNE 2009 ACT	CTIVE	JUNE 2009 FEBRUARY 2009	ELECTRONIC PLATFORM FOR INNEX CALCULATION.
UNITED STATES OF AMERICA	is :	XFDA FICO	- 2	FINANCIALCONTENT - INCIDES FINANCIALCONTENT - DIGITAL ASSET TRADE REPORTING FACILITY		SAN CARLOS	WWW.FINANCIACONTINT.COM	JUNE 2018 AC	CTIVE	JUNE 2018	SECTION CATOMORPHIC NEED COLUMN COLUM
UNITED STATES OF AMERICA	is :	XGMX XGMX	0	GLOBALCLEAR MERCANTILE EXCHANGE	GMX	GUAYNABO	WWW.GMEGROUP.US	AUGUST 2004 ACT	CTIVE	NOVEMBER 2012	ELECTRONIC TRADING PLATFORM FOR COMMODITIES, CFDS, CREDIT, RUTURES, MITALS, AND NEW MARKETS.
UNITED STATES OF AMERICA		XMM XCME	5	INTERNATIONAL MONETARY MARKET		CHICAGO	WWW.CME.COM	JUNE 2005 ACT	CTIVE	JUNE 2005	
UNITED STATES OF AMERICA UNITED STATES OF AMERICA		XINS XINS XIOM XCME	0	INSTINET INDEX AND OPTIONS MARKET	IOM .	NEW YORK CHICAGO	WWW.INSTINET.COM WWW.CME.COM			MARCH 2013 JUNE 2005	
UNITED STATES OF AMERICA				INTERNATIONAL SECURITIES EXCHANGE, LLC - ALTERNATIVE MARKETS	56	NEW YORK	WWW.ISC.COM				PARIMUTULE, ELETRONIC TRADING PLATFORM FOR DERIVATIVES.
UNITED STATES OF AMERICA		XISA XISX XISE XISX	5	INTERNATIONAL SECURITIES EXCHANGE, LLC - EQUITIES	150	NEW YORK	WWW.ISE.COM	JUNE 2008 ACT	CTIVE	JUNE 2008 JUNE 2008	EQUITES ELECTRONIC MARKETPLACE.
UNITED STATES OF AMERICA UNITED STATES OF AMERICA		XISX XISX		INTERNATIONAL SECURITIES EXCHANGE, LLC	151	NEW YORK KANSAS CITY	WWW.KEE.COM WWW.KEET.COM	OCTOBER 2014 ACT		JUNE 2005	
UNITED STATES OF AMERICA	is i	XMER XMER	0	MERCHANTS' DICHANGE	ME	CHICAGO	WWW.XCMI.COM		CTIVE	JUNE 2005 JUNE 2005	
UNITED STATES OF AMERICA	15	XMGE XMGE	0	MINNEAPOLIS GRAIN EXCHANGE	MGE	MINNEAPOLIS	WWW.MGEX.COM	SEPTEMBER 2013 ACT	CTIVE	JUNE 2005	
UNITED STATES OF AMERICA UNITED STATES OF AMERICA	15	XMIO MIHI XNAS XNAS		MIANN INTERNATIONAL SECURITIES EXCHANGE NASCIAG- ALL MARKETS	XMIO	PRINCETON NEW YORK	WWW.MADAD.COM	FEBRUARY 2006 ACT	CTIVE	NOVEMBER 2011 JUNE 2005	MAKKOPTIONS DICHANGE: ELECTRONIC TRADING FOR DRIVATIVES.
UNITED STATES OF AMERICA		XNCM XNAS		NASDAQ - ALL MARKET	NASLIALI	NEW YORK	WWW.NASDAQ.COM	FEBRUARY 2008 ACT		FEBRUARY 2008	PREVIOUSLY (2005) NAMED INSOING SMALLCAP MARKET INADING CAPITAL MARKET SECURITY SATISFIES ALL APPLICABLE QUALIFICATION REQUIREMENTS FOR INADING SECURITIES IN RULE 4000 OTHER THAN THOSE APPLICABLE TO INSOING MATIONAL MARKET SECURITIES.
UNITED STATES OF AMERICA	is I	XNDQ XNAS XNFI XNAS	5	NASDAQ OPTIONS MARKET		NEW YORK	WWW.NASDAD.COM	MAY 2007 AC	CTIVE	MAY 2007	
UNITED STATES OF AMERICA	is :	XNFI XNAS	s	NASDAQ FIXED INCOME TRADING		NEW YORK	WWW.NASDAQ.COM	NOVEMBER 2018 ACT	CTIVE	NOVEMBER 2018	
UNITED STATES OF AMERICA		XNGS XNAS XNIM XNAS	5	NASDAC/NGS (GLOBAL SELECT MARKET) NASDACI INTERMARKET	NGS	NEW YORK NEW YORK	WWW.NAGDAQ.COM	JULY 2006 ACT	CTIVE	JULY 2006 FEBRUARY 2008	ELECTRONIC MARKETPLACE COMPRISED OF MULTIPLE BRONER OWALES THAT QUOTE AND TRADE SECURITIES LISTED ON NYSE AND AMEX
UNITED STATES OF AMERICA	is :	XNLI XNYS	s s	NYSE LIFFE		NEW YORK	WWW.NESC.COM	FEBRUARY 2008 ACT SEPTEMBER 2008 ACT	CTIVE	SEPTEMBER 2008	SELECTION OF THE CONTRACT OF THE SECURITY OF T
UNITED STATES OF AMERICA		XNMS XNAS	5	NASDAQ/NMS (GLOBAL MARKET)		NEW YORK	WWW.NASDAQ.COM	JUNE 2005 ACT	CTIVE	JUNE 2005	
UNITED STATES OF AMERICA	15	XNYE XNYM XNYL XNYM	5	NEW YORK MERCANTILE EXCHANGE - OTC MARKETS NEW YORK MERCANTILE EXCHANGE - INCREM MARKETS	NYMEX ECM NYMEX MTF LIMITED	NEW YORK	WWW.NYMDIONLCHCLEARNET.COM	MAY 2008 ACT	CTIVE	MAY 2008	ONNOROD OF THE RITH TORK MELETANTE EXCHANGE OF THE AMBRETS (COM) ELECTRONIC TRANSPORT PATEMENT AND EXCHANGES (COM) ELECTRONIC TRANSPORT PATEMENT EXCHANGES (COM) ELECTRONIC
UNITED STATES OF AMERICA		XVIII XVIIII		NEW YORK MERCANTILE EXCHANGE	NYMEX MTF LIMITED NYMEX	NEW YORK NEW YORK	WWW.NYMEX.COM	MAY 2008 ACT	CTIVE	MAY 2008 JUNE 2005	ELECTIONIC TRADING PLATFORM FOR ENERGY MARKETS
UNITED STATES OF AMERICA	is :	XNYS XNYS	0	NEW YORK STOCK EXCHANGE, INC.	NYSE	NEW YORK	WWW.NYSE.COM	BEFORE JUNE 2005 ACT	CTIVE	REFORE JUNE 2005	
UNITED STATES OF AMERICA	15	XDCH XDCH XDTC XDTC	0	ONECHCAGO, LLC		CHICAGO	WWW.ONECHCAGO.COM	JUNE 2005 ACT	CTIVE	JUNE 2005	
UNITED STATES OF AMERICA UNITED STATES OF AMERICA	is i	XDTC XDTC XPBT XNAS		OTCINI NASCIAGO DINX FUTURES EXCHANGE	OTCRE	WASHINGTON PHILADELPHIA	WWW.DTCBLCOM WWW.NASDACTRACE.COM	OCTOBER 2012 ACI MARCH 2009 ACI	CTIVE	JUNE 2005 MARCH 2009	NAGONO ACCURRED THE PHEADELPHA STOCK EXCHANGE (PHEX)
UNITED STATES OF AMERICA	is i	XPHL XNAS XPHO XNAS	5	NASDAQ OMX PHIX	PHLX	PHILADELPHIA	WWW.PHIX.COM	FEBRUARY 2009 ACT	CTIVE	FEBRUARY 2009	NACIONAL ACCUPITATION FOR PHILADORIST ACCORDINATION FOR THE PHILADORIST AC
UNITED STATES OF AMERICA			5	PRILACELPHIA OPTIONS EXCHANGE PORTAL		PHILADELPHIA	WWW.PHIX.COM		CTIVE	JUNE 2005	
UNITED STATES OF AMERICA UNITED STATES OF AMERICA		XPOR XNAS XPSX XNAS	5	PORTAL NASDAQ OMX PSX	DCV	WASHINGTON NEW YORK	WWW.NASDAQPORTALMARKET.COM WWW.NASDAQTRADER.COM	OCTOBER 2007 ACT	CTIVE	OCTOBER 2007 MARCH 2013	US SOUTHES ENCHANGE
UNITED STATES OF AMERICA	15	XPUS XPUS	0	39 INVESTMENTS US, LLC	-	NEW YORK	WWW.XPLUS	NOVEMBER 2009 ACT	CTIVE	MAY 2019	
UNITED STATES OF AMERICA			0	SWAPEX, LLC	SWAPEX	NEW YORK	WWW.SWAPEX.COM			MARCH 2012	SWIP DESCUTION FACILITY.
UNITED STATES OF AMERICA UNITED STATES OF AMERICA	15	XSTM NFSC XTRD XTRD	s O	ROBLITY CROSSSTREAM ATS	XTRD	ROSTON NEW YORK	WWW.CARTALMARKETS.RIGELITY.COM HTTPS://XTRC.IO	NOVEMBER 2004 ACT NOVEMBER 2008 ACT	CTIVE	SEPTEMBER 2014 NOVEMBER 2018	REGISTRO ATS FOR TRADRIG US CQUITES ORGERS ROUTINE SYSTEM FOR CREATING CONTROL STATEMENT OF CREA
UNITED STATES OF AMERICA	is !	YXNA YXNA	0	COMINAR CAPITAL MARKETS, LLC - US EQUITIES		CHICAGO		AUGUST 2009 ACT	CTIVE	AUGUST 2019	PROPRIETARY TRACING SYSTEM.
UNITED STATES OF AMERICA	15	ZERO SCHO BYUR BYUR	s	IND HASH		CHICAGO	WWW.SEEDCX.COM	MARCH 2009 ACT	CTIVE	MARCH 2019	CALCULATION AGENT AND SETTLEMENT PLATFORM.
URUGUAY	N I	BVUR BVUR UFEX UFEX	0	BOLSA ELECTRONICA DE VALORES DEL URUGUAY		MONTEVIDEO	HTTPS://WEB.BEVSA.COM.UY/BEVSAINTRANST2008/INICIO/DEFAULT.AGPX WWW.UFDX.COM.UY	DECEMBER 2009 ACT MARCH 2006 ACT	CTIVE	DECEMBER 2009 MARCH 2016	REGISTRO LICENOME STOCK KININANE. URBOLLAN FULLINGS DELIVENCE.
URDGUAY	N .	XMNT XMNT XCET HEET	0	BOLSA DE VALORES DE MONTEVIDEO	SAML.	MONTEVIDED	WWW.BVM.COM.UY	JUNE 2005 ACT	CTIVE	JUNE 2005	UMUNICATI FUT SINGLE ANA PROVIDE
UZBEKISTAN			0	LIZBEK COMMODITY EXCHANGE		TASHKENT	WWW.UZEX.COM	SEPTEMBER 2007 ACT	CTIVE	SEPTEMBER 2007	
UZBEKISTAN UZBEKISTAN		NCUE NCUE	0	UZBEDISTAN REPUBLICAN CURRENCY EXCHANGE HHOREZM INTERREGION COMMODITY EXCHANGE		TASHKENT		JUNE 2005 ACT		JUNE 2005 JUNE 2005	
UZBEKISTAN UZBEKISTAN			0	REPUBLICAN STOCK EXCHANGE	LOSE	TASHKENT	WWW.U2SE.UZ			SUNE 2005 SEPTEMBER 2007	
UZBEKISTAN	12	XUNI XUNI	0	UNIVERSAL BROKER'S EXCHANGE TASHKENT		TASHKENT		JUNE 2005 ACT	CTIVE	JUNE 2005	
VANUATU	ru i	GIMA GIMA	0	GX MARKETCENTER		VILA		MAY 2000 ACT	CTIVE	MAY 2010	
VANUATU VENEZUELA	ru i	POTC POTC BVCA BVCA	0	PACIFIC OTC CARACAS STOCK DICHANGS	POTC	PORT VILA CARACAS	WWW.BOLSADECARACAS.COM	SEPTEMBER 2017 ACT	CTIVE	SEPTEMBER 2017 APRIL 2014	TRADING PATFORM FOR OTC TOJINTS AND ODDIT. MARKET FOR DEDITES AND DODIES. MARKET FOR DEDITES AND DODIES.
VIET NAM	N I	HSTC HSTC	0	HANDI STOCK ENDHANGE	HNX	HANDI	WWW.HICKVIN	JULY 2009 ACT	CTIVE	JULY 2009	MANISH TOK LIQUITIES PARING MENTOS. HANCI SECURITIES PARING SECURITIES HANCI STOCK EKCHANGE IN JANUARY 2009.
VIET NAM	N I	XHNF HSTC	s	MANON STOCK ENCHANGE - DEBNATIVES		HANDI	WWW.HDCVN	JULY 2017 ACT	CTIVE	JULY 2017	DEFINATIVES MARKET.
VIET NAM			5	HANDI STOCK EXCHANGE (UNLISTED PUBLIC COMPANY TRADING PLATFORM)	UPCOM	HANGI	WWW.HISCUN	JULY 2009 ACT		JULY 2009 DECEMBER 2009	TRADING PLATFORM FOR UNLISTED PURILIC COMPANIES WHICH DON'T MEET THE LISTING CRITERIA BUT TRADED IN THE OTC MARKET.
VIET NAM ZAMBIA		XSTC XSTC	0	HOCHMANH STOCK ENCHANGE LUSAKA STOCK ENCHANGE	HDSE	HD CHI MINH CITY LUSAKA	MMM HZK NZ ZM			JUNE 2005	
ZIMBABME	w	XLUS XLUS XZIM XZIM	o o	ZIMBARWE STOCK EXCHANGE		HARARE	WWW.DS.CO.JW	JUNE 2005 ACT	CTIVE	JUNE 2005	
zz	2	BILT BILT	0	OFF-EXCHANGE TRANSACTIONS - LISTED AND UNLISTED INSTRUMENTS			Z .	JULY 2017 ACT		JULY 2007	BILATERAL (OFF-EXCHANGE) TRANSACTIONS - LISTED OR UNLISTED INSTRUMENTS.
77	7	XOFF XOFF	0	OFF-EXCHANGE TRANSACTIONS - LISTED INSTRUMENTS NO MARKET IS G. UNLISTED!	XOFF	Z	Z .	NOVEMBER 2015 ACT OCTOBER 2005 ACT		OCTORER 2015 OCTORER 2005	MIC TO USE FOR OFF-DICHANGE TRANSACTIONS IN LISTED INSTRUMENTS.
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