

# Turquoise Liquidity Provision Scheme Registrations

Updated: 23/01/2014

Symbol	Name	Schedule A	Schedule B
A2Am	A2A SPA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
AALBa	AALBERTS INDUSTRIES NV		Virtu Financial Ireland Ltd
AALI	ANGLO AMERICAN PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
ABBs	ABB LTD-REG		Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd
ABEe	ABERTIS INFRASTRUCTURAS SA		Virtu Financial Ireland Ltd
ABFI	ASSOCIATED BRITISH FOODS PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
ABGe	ABENGOA SA		Virtu Financial Ireland Ltd
ABGI	AFRICAN BARRICK GOLD PLC		Virtu Financial Ireland Ltd
ABib	ANHEUSER-BUSCH INBEV NV	BNP Paribas Arbitrage	Virtu Financial Ireland Ltd
ACAp	CREDIT AGRICOLE SA	BNP Paribas Arbitrage Spire Europe Ltd	Barclays Capital Securities Ltd BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ACKBb	ACKERMANS & VAN HAAREN		Virtu Financial Ireland Ltd
ACp	ACCOR SA		Barclays Capital Securities Ltd BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd



<b>Symbol</b>	<b>Name</b>	<b>Schedule A</b>	<b>Schedule B</b>
ACSe	ACS ACTIVIDADES CONS Y SERV		Virtu Financial Ireland Ltd
ACXe	ACERINOX SA		Virtu Financial Ireland Ltd
ADMI	ADMIRAL GROUP PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
ADNI	ABERDEEN ASSET MGMT PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
ADPp	ADP		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ADSd	ADIDAS AG		Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd
AFp	AIR FRANCE-KLM		Barclays Capital Securities Ltd BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
AFRI	AFREN PLC		Virtu Financial Ireland Ltd
AGKI	AGGREKO PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
AGLm	AUTOGRILL SPA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
AGNa	AEGON NV		Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd
AGSb	AGEAS		Virtu Financial Ireland Ltd
AHa	KONINKLIJKE AHOLD NV		Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd
AHTI	ASHTREAD GROUP PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
Alp	AIR LIQUIDE SA	BNP Paribas Arbitrage	Barclays Capital Securities Ltd BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
AIXAd	AIXTRON SE		Virtu Financial Ireland Ltd
AKEp	ARKEMA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
AKSOo	AKER SOLUTIONS ASA		Virtu Financial Ireland Ltd

<b>Symbol</b>	<b>Name</b>	<b>Schedule A</b>	<b>Schedule B</b>
AKZAa	AKZO NOBEL		Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd
ALFAs	ALFA LAVAL AB		Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd
ALGETo	ALGETA ASA		Virtu Financial Ireland Ltd
ALIVs	AUTOLIV INC-SWED DEP RECEIPT		Virtu Financial Ireland Ltd
ALOp	ALSTOM	BNP Paribas Arbitrage	Barclays Capital Securities Ltd BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ALTp	ALTRAN TECHNOLOGIES SA		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ALUp	ALCATEL-LUCENT		Barclays Capital Securities Ltd BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ALVd	ALLIANZ SE-REG	BNP Paribas Arbitrage	Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd
AMEASh	AMER SPORTS OYJ		Virtu Financial Ireland Ltd
AMECI	AMEC PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
AMGa	AMG ADVANCED METALLURGICAL		Virtu Financial Ireland Ltd
AMLI	AMLIN PLC		Virtu Financial Ireland Ltd
AMPm	AMPLIFON SPA		Virtu Financial Ireland Ltd
AMSe	AMADEUS IT HOLDING SA- A SHS		Virtu Financial Ireland Ltd
ANAe	ACCIONA SA		Virtu Financial Ireland Ltd
ANDRv	ANDRITZ AG		Virtu Financial Ireland Ltd
ANTOI	ANTOFAGASTA PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
APAMa	APERAM		Virtu Financial Ireland Ltd
ARCADa	ARCADIS NV		Virtu Financial Ireland Ltd
AREVAp	AREVA		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ARLd	AAREAL BANK AG		Virtu Financial Ireland Ltd
ARMI	ARM HOLDINGS PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
ASHMI	ASHMORE GROUP PLC		Virtu Financial Ireland Ltd

<b>Symbol</b>	<b>Name</b>	<b>Schedule A</b>	<b>Schedule B</b>
ASMa	ASM INTERNATIONAL NV		Virtu Financial Ireland Ltd
ASMLa	ASML HOLDING NV		Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd
ASRm	AS ROMA SPA		Virtu Financial Ireland Ltd
ASSABs	ASSA ABLOY AB-B		Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd
ATCOAs	ATLAS COPCO AB-A SHS		Société Générale SA Virtu Financial Ireland Ltd
ATCOBs	ATLAS COPCO AB-B SHS		Société Générale SA
ATEAo	ATEA ASA		Virtu Financial Ireland Ltd
ATEp	ALTEN		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ATLm	ATLANTIA SPA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ATm	AUTOSTRADA TORINO- MILANO SPA		Virtu Financial Ireland Ltd
ATOp	ATOS		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ATSTI	ALLIANCE TRUST PLC		Virtu Financial Ireland Ltd
AVI	AVIVA PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
AVVI	AVEVA GROUP PLC		Virtu Financial Ireland Ltd
AXSa	ACCSYS TECHNOLOGIES PLC		Virtu Financial Ireland Ltd
AZEMl	AZ ELECTRONIC MATERIALS		Virtu Financial Ireland Ltd
AZMm	AZIMUT HOLDING SPA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
AZNI	ASTRAZENECA PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
AZNs	ASTRAZENECA PLC		Barclays Capital Securities Ltd Société Générale SA
BABI	BABCOCK INTL GROUP PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
BAI	BAE SYSTEMS PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
BAMNBa	KONINKLIJKE BAM GROEP NV		Virtu Financial Ireland Ltd

<b>Symbol</b>	<b>Name</b>	<b>Schedule A</b>	<b>Schedule B</b>
BARCI	BARCLAYS PLC		Virtu Financial Ireland Ltd
BASd	BASF SE		Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd
BATSI	BRITISH AMERICAN TOBACCO PLC		Virtu Financial Ireland Ltd
BAYNd	BAYER AG	BNP Paribas Arbitrage	Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd
BBAI	BBA AVIATION PLC		Virtu Financial Ireland Ltd
BBEDa	BETER BED HOLDING NV		Virtu Financial Ireland Ltd
BBp	SOCIETE BIC SA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
BBVAe	BANCO BILBAO VIZCAYA ARGENTA	BNP Paribas Arbitrage	Virtu Financial Ireland Ltd
BBYI	BALFOUR BEATTY PLC		Virtu Financial Ireland Ltd
BCm	BRUNELLO CUCINELLI SPA		Virtu Financial Ireland Ltd
BDEVI	BARRATT DEVELOPMENTS PLC		Virtu Financial Ireland Ltd
BEFBb	BEFIMMO S.C.A.		Virtu Financial Ireland Ltd
BEId	BEIERSDORF AG		Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd
BEKBb	BEKAERT NV		Virtu Financial Ireland Ltd
BELGb	BELGACOM SA		Virtu Financial Ireland Ltd
BESu	BANCO ESPIRITO SANTO-REG		Virtu Financial Ireland Ltd
BGI	BG GROUP PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
BGNm	BANCA GENERALI SPA		Virtu Financial Ireland Ltd
BIMp	BIOMERIEUX		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
BINCKa	BINCKBANK NV		Virtu Financial Ireland Ltd
BKGI	BERKELEY GROUP HOLDINGS		Virtu Financial Ireland Ltd
BKIAe	BANKIA SA		Virtu Financial Ireland Ltd
BKTe	BANKINTER SA		Virtu Financial Ireland Ltd
BLNDI	BRITISH LAND CO PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
BLTI	BHP BILLITON PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd

<b>Symbol</b>	<b>Name</b>	<b>Schedule A</b>	<b>Schedule B</b>
BMEe	BOLSAS Y MERCADOS ESPANOLES		Virtu Financial Ireland Ltd
BMPSm	BANCA MONTE DEI PASCHI SIENA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
BMW3d	BAYERISCHE MOTOREN WERKE-PFD		Virtu Financial Ireland Ltd
BMWd	BAYERISCHE MOTOREN WERKE AG	BNP Paribas Arbitrage	Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd
BNp	DANONE	BNP Paribas Arbitrage	Barclays Capital Securities Ltd BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
BNPp	BNP PARIBAS	BNP Paribas Arbitrage Spire Europe Ltd	Barclays Capital Securities Ltd BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
BNRd	BRENNTAG AG		Virtu Financial Ireland Ltd
BNSm	BENI STABILI SPA		Virtu Financial Ireland Ltd
BNZLI	BUNZL PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
BOKAa	BOSKALIS WESTMINSTER		Société Générale SA Virtu Financial Ireland Ltd
BOKI	BOOKER GROUP PLC		Virtu Financial Ireland Ltd
BOLp	BOLLORE		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
BOLs	BOLIDEN AB		Barclays Capital Securities Ltd Société Générale SA
BOSSd	HUGO BOSS AG -ORD		Virtu Financial Ireland Ltd
BOYI	BODYCOTE PLC		Virtu Financial Ireland Ltd
BPEm	BANCA POPOL EMILIA ROMAGNA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
BPIu	BANCO BPI SA.- REG SHS		Virtu Financial Ireland Ltd
BPI	BP PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
BPm	BANCO POPOLARE SCARL		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd

<b>Symbol</b>	<b>Name</b>	<b>Schedule A</b>	<b>Schedule B</b>
BPSOm	BANCA POPOLARE DI SONDRIO		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
BPTYI	BWIN.PARTY DIGITAL ENTERTAIN		Virtu Financial Ireland Ltd
BRBYI	BURBERRY GROUP PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
BREm	BREMBO SPA		Virtu Financial Ireland Ltd
BRNLa	BRUNEL INTERNATIONAL		Virtu Financial Ireland Ltd
BRWMI	BLACKROCK WORLD MINING TRUST		Virtu Financial Ireland Ltd
BSYI	BRITISH SKY BROADCASTING GRO		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
BTGI	BTG PLC		Virtu Financial Ireland Ltd
BTI	BT GROUP PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
BULLp	BULL		Virtu Financial Ireland Ltd
BVICI	BRITVIC PLC		Virtu Financial Ireland Ltd
BVlp	BUREAU VERITAS SA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
BWNGI	BROWN (N) GROUP PLC		Virtu Financial Ireland Ltd
BWYI	BELLWAY PLC		Virtu Financial Ireland Ltd
BZUm	BUZZI UNICEM SPA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
CABKe	CRITERIA CAIXACORP SA		Virtu Financial Ireland Ltd
CAIm	CAIRO COMMUNICATIONS SPA		Virtu Financial Ireland Ltd
CAIv	CA IMMOBILIEN ANLAGEN AG		Virtu Financial Ireland Ltd
CAPp	CARREFOUR SA	BNP Paribas Arbitrage	BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
CAPCI	CAPITAL & COUNTIES PROPERTIE		Virtu Financial Ireland Ltd
CAPp	CAP GEMINI		Barclays Capital Securities Ltd BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
CARLBc	CARLSBERG AS-B		Virtu Financial Ireland Ltd
CBGI	CLOSE BROTHERS GROUP PLC		Virtu Financial Ireland Ltd

<b>Symbol</b>	<b>Name</b>	<b>Schedule A</b>	<b>Schedule B</b>
CBKd	COMMERZBANK AG		Société Générale SA Virtu Financial Ireland Ltd
CCHI	COCA-COLA HBC AG		Barclays Capital Securities Ltd
CCLI	CARNIVAL PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
CDIp	CHRISTIAN DIOR		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
CEm	CREDITO EMILIANO SPA		Virtu Financial Ireland Ltd
CEQo	CERMAQ ASA		Virtu Financial Ireland Ltd
CEYI	CENTAMIN PLC		Virtu Financial Ireland Ltd
CFAOp	CFAO		Virtu Financial Ireland Ltd
CGCBVh	CARGOTEC OYJ-B SHARE		Virtu Financial Ireland Ltd
CGGp	CGG		Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
CGLI	CATLIN GROUP LTD		Virtu Financial Ireland Ltd
CHGI	CHEMRING GROUP PLC		Virtu Financial Ireland Ltd
CHRc	CHR HANSEN HOLDING A/S		Virtu Financial Ireland Ltd
CIRm	CIR SPA		Virtu Financial Ireland Ltd
CLLNI	CARILLION PLC		Virtu Financial Ireland Ltd
CLS1d	CELESIO AG		Virtu Financial Ireland Ltd
CMAp	CIMENTS FRANCAIS		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
CNAI	CENTRICA PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
CNEI	CAIRN ENERGY PLC		Virtu Financial Ireland Ltd
CNHIm	CNH INDUSTRIAL NV		Société Générale SA Virtu Financial Ireland Ltd
CNPp	CNP ASSURANCES		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
COBI	COBHAM PLC		Virtu Financial Ireland Ltd
COFBb	COFINIMMO		Virtu Financial Ireland Ltd
COLOBc	COLOPLAST-B		Virtu Financial Ireland Ltd
COLRb	COLRUYT SA		Virtu Financial Ireland Ltd
CONd	CONTINENTAL AG		Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd



<b>Symbol</b>	<b>Name</b>	<b>Schedule A</b>	<b>Schedule B</b>
COp	CASINO GUICHARD PERRACHON		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
CORAa	CORIO NV		Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd
COXp	NICOX SA		Virtu Financial Ireland Ltd
CPGI	COMPASS GROUP PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
CPII	CAPITA PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
CPRm	DAVIDE CAMPARI-MILANO SPA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
CRDAI	CRODA INTERNATIONAL PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
CRGi	CRH PLC		Virtu Financial Ireland Ltd
CRGm	BANCA CARIGE SPA		Virtu Financial Ireland Ltd
CRHI	CRH PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
CSp	AXA SA	Spire Europe Ltd	Barclays Capital Securities Ltd BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
CSRI	CSR PLC		Virtu Financial Ireland Ltd
CTICm	CELL THERAPEUTICS INC		Virtu Financial Ireland Ltd
CTY1Sh	CITYCON OYJ		Virtu Financial Ireland Ltd
CWCI	CABLE & WIRELESS COMMUNICATI		Virtu Financial Ireland Ltd
CWlv	CONWERT IMMOBILIEN INVEST SE		Virtu Financial Ireland Ltd
DAId	DAIMLER AG-REGISTERED SHARES	BNP Paribas Arbitrage	Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd
DANm	DANIELI & CO		Virtu Financial Ireland Ltd
DANSKc	DANSKE BANK A/S		Virtu Financial Ireland Ltd
DB1d	DEUTSCHE BOERSE AG		Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd
DBKd	DEUTSCHE BANK AG- REGISTERED	BNP Paribas Arbitrage	Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd
DEBI	DEBENHAMS PLC		Virtu Financial Ireland Ltd

<b>Symbol</b>	<b>Name</b>	<b>Schedule A</b>	<b>Schedule B</b>
DECp	JC DECAUX SA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
DELBb	DELHAIZE GROUP		Virtu Financial Ireland Ltd
DEQd	DEUTSCHE EUROSHOP AG		Virtu Financial Ireland Ltd
DETNOo	DET NORSKE OLJESELSKAP ASA		Virtu Financial Ireland Ltd
DEZd	DEUTZ AG		Virtu Financial Ireland Ltd
DGEI	DIAGEO PLC		Virtu Financial Ireland Ltd
DGp	VINCI SA	BNP Paribas Arbitrage	Barclays Capital Securities Ltd BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
DIAe	DISTRIBUIDORA INTERNACIONAL		Virtu Financial Ireland Ltd
DIAI	DIALIGHT PLC		Virtu Financial Ireland Ltd
DIAm	DIASORIN SPA		BNP Paribas Arbitrage Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
DIEb	D'IETEREN SA/NV		Virtu Financial Ireland Ltd
DIMp	SARTORIUS STED BIO		Citadel Securities (Europe) Ltd
DLa	DELTA LLOYD NV		Virtu Financial Ireland Ltd
DLARI	DE LA RUE PLC		Virtu Financial Ireland Ltd
DLGd	DIALOG SEMICONDUCTOR PLC		Virtu Financial Ireland Ltd
DLGm	DE'LONGHI SPA		Virtu Financial Ireland Ltd
DLNI	DERWENT LONDON PLC		Virtu Financial Ireland Ltd
DMGTI	DAILY MAIL&GENERAL TST- A NV		Virtu Financial Ireland Ltd
DNBo	DNB ASA		Virtu Financial Ireland Ltd
DNOo	DNO INTERNATIONAL ASA		Virtu Financial Ireland Ltd
DNORDc	D/S NORDEN		Virtu Financial Ireland Ltd
DOMI	DOMINO'S PIZZA GROUP PLC		Virtu Financial Ireland Ltd
DPBd	DEUTSCHE POSTBANK AG		Virtu Financial Ireland Ltd
DPTp	S.T. DUPONT		Virtu Financial Ireland Ltd
DPWd	DEUTSCHE POST AG-REG		Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd
DRId	DRILLISCH AG		Virtu Financial Ireland Ltd
DRTYI	DARTY PLC		Virtu Financial Ireland Ltd
DRXI	DRAX GROUP PLC		Virtu Financial Ireland Ltd

<b>Symbol</b>	<b>Name</b>	<b>Schedule A</b>	<b>Schedule B</b>
DSMa	KONINKLIJKE DSM NV		Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd
DSVc	DSV A/S		Virtu Financial Ireland Ltd
DSYp	DASSAULT SYSTEMES SA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
DTEd	DEUTSCHE TELEKOM AG- REG	BNP Paribas Arbitrage	Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd
DVOI	DEVRO PLC		Virtu Financial Ireland Ltd
DWNId	DEUTSCHE WOHNEN AG- BR		Virtu Financial Ireland Ltd
DXNSI	DIXONS RETAIL PLC		Virtu Financial Ireland Ltd
EBROe	EBRO FOODS SA		Virtu Financial Ireland Ltd
EBSv	ERSTE GROUP BANK AG		Virtu Financial Ireland Ltd
ECMI	ELECTROCOMPONENTS PLC		Virtu Financial Ireland Ltd
ECMPAa	EUROCOMMERCIAL PROPERTIE-CV		Virtu Financial Ireland Ltd
EDENp	EDENRED		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
EDFp	EDF		Barclays Capital Securities Ltd BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
EDINI	EDINBURGH INVESTMENT TRUST		Virtu Financial Ireland Ltd
EDPRu	EDP RENOVAVEIS SA		Virtu Financial Ireland Ltd
EDPu	EDP-ENERGIAS DE PORTUGAL SA		Virtu Financial Ireland Ltd
EGLu	MOTA ENGIL SGPS SA		Virtu Financial Ireland Ltd
EGPWm	ENEL GREEN POWER SPA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
Elp	ESSILOR INTERNATIONAL		Barclays Capital Securities Ltd BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ELEe	ENDESA SA		Virtu Financial Ireland Ltd

<b>Symbol</b>	<b>Name</b>	<b>Schedule A</b>	<b>Schedule B</b>
ELEp	EULER HERMES SA		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ELI1Vh	ELISA OYJ		Virtu Financial Ireland Ltd
ELIb	ELIA SYSTEM OPERATOR SA/NV		Virtu Financial Ireland Ltd
ELMI	ELEMENTIS PLC		Virtu Financial Ireland Ltd
ELUXBs	ELECTROLUX AB-SER B		Barclays Capital Securities Ltd Société Générale SA
EMGI	MAN GROUP PLC		Virtu Financial Ireland Ltd
EMGSo	ELECTROMAGNETIC GEOSERVICES		Virtu Financial Ireland Ltd
ENELm	ENEL SPA	BNP Paribas Arbitrage	BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ENGe	ENAGAS SA		Virtu Financial Ireland Ltd
ENGM	ENGINEERING INGEGNERIA INFO		Virtu Financial Ireland Ltd
ENIm	ENI SPA	BNP Paribas Arbitrage	BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ENp	BOUYGUES SA		Barclays Capital Securities Ltd BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ENQI	ENQUEST PLC		Virtu Financial Ireland Ltd
EOANd	E.ON SE	BNP Paribas Arbitrage	Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd
EOp	FAURECIA		BNP Paribas Arbitrage Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ERAp	ERAMET		BNP Paribas Arbitrage Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ERFp	EUROFINS SCIENTIFIC		Virtu Financial Ireland Ltd
ERGM	ERG SPA		Virtu Financial Ireland Ltd
ERICBs	ERICSSON LM-B SHS		Barclays Capital Securities Ltd Société Générale SA
ESm	GRUPPO EDITORIALE L'ESPRESSO		Virtu Financial Ireland Ltd
ESNTI	ESSENTRA PLC		Virtu Financial Ireland Ltd
ESSRI	ESSAR ENERGY PLC		Virtu Financial Ireland Ltd

<b>Symbol</b>	<b>Name</b>	<b>Schedule A</b>	<b>Schedule B</b>
ETLp	EUTELSAT COMMUNICATIONS		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
EVNv	EVN AG		Virtu Financial Ireland Ltd
EVRAI	EVRAZ PLC		Virtu Financial Ireland Ltd
EVTd	EVOTEC AG		Virtu Financial Ireland Ltd
EXACTa	EXACT HOLDING NV		Virtu Financial Ireland Ltd
EXOm	EXOR SPA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
EXPNI	EXPERIAN PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
EZJI	EASYJET PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
FCCe	FOMENTO DE CONSTRUCC Y CONTRA		Virtu Financial Ireland Ltd
FDRp	FONCIERE DES REGIONS		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
FENRI	FENNER PLC		Virtu Financial Ireland Ltd
FERe	FERROVIAL SA		Virtu Financial Ireland Ltd
FGPI	FIRSTGROUP PLC		Virtu Financial Ireland Ltd
FGRp	EIFFAGE		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
FLSc	FLSMIDTH & CO A/S		Virtu Financial Ireland Ltd
Fm	FIAT SPA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
FMEd	FRESENIUS MEDICAL CARE AG &		Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd
FNCm	FINMECCANICA SPA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
FNTNd	FREENET AG		Virtu Financial Ireland Ltd
FOEo	FRED OLSEN ENERGY ASA		Virtu Financial Ireland Ltd
FPE3d	FUCHS PETROLUB AG - PREF		Virtu Financial Ireland Ltd

<b>Symbol</b>	<b>Name</b>	<b>Schedule A</b>	<b>Schedule B</b>
FPP	TOTAL SA	BNP Paribas Arbitrage	Barclays Capital Securities Ltd BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
FRAd	FRAPORT AG		Virtu Financial Ireland Ltd
FRCLI	FOREIGN & COLONIAL INVEST TR		Virtu Financial Ireland Ltd
FREd	FRESENIUS SE & CO KGAA		Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd
FRESI	FRESNILLO PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
FROo	FRONTLINE LTD		Virtu Financial Ireland Ltd
FRp	VALEO SA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
FUM1Vh	FORTUM OYJ		Virtu Financial Ireland Ltd
FURa	FUGRO NV-CVA		Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd
FXPOI	FERREXPO PLC		Virtu Financial Ireland Ltd
G1Ad	GEA GROUP AG		Virtu Financial Ireland Ltd
GALPu	GALP ENERGIA SGPS SA		Virtu Financial Ireland Ltd
GAMe	GAMESA CORP TECNOLOGICA SA		Virtu Financial Ireland Ltd
GASe	GAS NATURAL SDG SA		Virtu Financial Ireland Ltd
GBBp	BOURBON SA		BNP Paribas Arbitrage Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
GBFd	BILFINGER BERGER SE		Virtu Financial Ireland Ltd
GBLBb	GROUPE BRUXELLES LAMBERT SA		Virtu Financial Ireland Ltd
GCCi	C&C GROUP PLC		Virtu Financial Ireland Ltd
GEOm	GEOX SPA		Virtu Financial Ireland Ltd
GETIBs	GETINGE AB-B SHS		Barclays Capital Securities Ltd Société Générale SA
GETp	GROUPE EUROTUNNEL SA - REGR		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
GFCp	GECINA SA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd

<b>Symbol</b>	<b>Name</b>	<b>Schedule A</b>	<b>Schedule B</b>
GFJd	GAGFAH SA		Virtu Financial Ireland Ltd
GFSI	G4S PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
GIBd	GSW IMMOBILIEN AG		Virtu Financial Ireland Ltd
GILd	GILDEMEISTER AG		Virtu Financial Ireland Ltd
GJFo	GJENSIDIGE FORSIKRING ASA		Virtu Financial Ireland Ltd
GKNI	GKN PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
GLENI	GLENCORE INTERNATIONAL PLC		Virtu Financial Ireland Ltd
GLEp	SOCIETE GENERALE	BNP Paribas Arbitrage Spire Europe Ltd	Barclays Capital Securities Ltd BNP Paribas Arbitrage Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
Gm	ASSICURAZIONI GENERALI	BNP Paribas Arbitrage	BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
GNc	GN STORE NORD A/S		Virtu Financial Ireland Ltd
GNKI	GREENE KING PLC		Virtu Financial Ireland Ltd
GOGI	GO-AHEAD GROUP PLC		Virtu Financial Ireland Ltd
GOGLo	GOLDEN OCEAN GROUP LTD		Virtu Financial Ireland Ltd
GPORI	GREAT PORTLAND ESTATES PLC		Virtu Financial Ireland Ltd
GRFe	GRIFOLS SA		Virtu Financial Ireland Ltd
GRONTa	GRONTMIJ		Virtu Financial Ireland Ltd
GSKI	GLAXOSMITHKLINE PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
GSZp	GDF SUEZ	BNP Paribas Arbitrage Spire Europe Ltd	Barclays Capital Securities Ltd BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
GTKm	Gtech SPA		Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
GTOa	GEMALTO		Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd
GXId	GERRESHEIMER AG		Virtu Financial Ireland Ltd
HASI	HAYS PLC		Virtu Financial Ireland Ltd

<b>Symbol</b>	<b>Name</b>	<b>Schedule A</b>	<b>Schedule B</b>
HAVp	HAVAS SA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
HDDd	HEIDELBERGER DRUCKMASCHINEN		Virtu Financial Ireland Ltd
HEIAa	HEINEKEN NV		Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd
HEId	HEIDELBERGCEMENT AG		Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd
HEIJMa	HEIJMANS N.V.-CVA		Virtu Financial Ireland Ltd
HEIOa	HEINEKEN HOLDING NV		Virtu Financial Ireland Ltd
HEN3d	HENKEL AG & CO KGAA VORZUG		Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd
HENd	HENKEL AG & CO KGAA		Virtu Financial Ireland Ltd
HERm	HERA SPA		Virtu Financial Ireland Ltd
HFDI	HALFORDS GROUP PLC		Virtu Financial Ireland Ltd
HGGI	HENDERSON GROUP PLC		Virtu Financial Ireland Ltd
HHFAd	HAMBURGER HAFEN UND LOGISTIK		Virtu Financial Ireland Ltd
HICLI	HICL INFRASTRUCTURE CO LTD		Virtu Financial Ireland Ltd
HIKI	HIKMA PHARMACEUTICALS PLC		Virtu Financial Ireland Ltd
HLI	HARGREAVES LANSDOWN PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
HLMAI	HALMA PLC		Virtu Financial Ireland Ltd
HMBs	HENNES & MAURITZ AB-B SHS		Barclays Capital Securities Ltd Société Générale SA
HMSOI	HAMMERSON PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
HNR1d	HANNOVER RUECKVERSICHERU-REG		Virtu Financial Ireland Ltd
HOCI	HOCHSCHILD MINING PLC		Virtu Financial Ireland Ltd
HOILI	HERITAGE OIL PLC		Virtu Financial Ireland Ltd
HOMEI	HOME RETAIL GROUP		Virtu Financial Ireland Ltd
HOp	THALES SA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
HOTd	HOCHTIEF AG		Virtu Financial Ireland Ltd



<b>Symbol</b>	<b>Name</b>	<b>Schedule A</b>	<b>Schedule B</b>
HSBAI	HSBC HOLDINGS PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
HSXI	HISCOX LTD		Virtu Financial Ireland Ltd
HTGI	HUNTING PLC		Virtu Financial Ireland Ltd
HUH1Vh	HUHTAMAKI OYJ		Virtu Financial Ireland Ltd
IAGe	INTL CONSOLIDATED AIRLINE-DI		Virtu Financial Ireland Ltd
IAGI	INTL CONSOLIDATED AIRLINE-DI		Virtu Financial Ireland Ltd
IAPI	ICAP PLC		Virtu Financial Ireland Ltd
IBEe	IBERDROLA SA	BNP Paribas Arbitrage	Virtu Financial Ireland Ltd
ICADp	ICADE		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ICPI	INTERMEDIATE CAPITAL GROUP		Virtu Financial Ireland Ltd
IDRe	INDRA SISTEMAS SA		Virtu Financial Ireland Ltd
IFXd	INFINEON TECHNOLOGIES AG		Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd
IGGI	IG GROUP HOLDINGS PLC		Virtu Financial Ireland Ltd
IHGI	INTERCONTINENTAL HOTELS GROU		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
IIAv	IMMOFINANZ AG		Virtu Financial Ireland Ltd
IIII	3I GROUP PLC		Virtu Financial Ireland Ltd
ILDp	ILIAD SA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
IMa	ROYAL IMTECH NV		Virtu Financial Ireland Ltd
IMAm	INDUSTRIA MACCHINE AUTOMATIC		Virtu Financial Ireland Ltd
IMGI	IMAGINATION TECH GROUP PLC		Virtu Financial Ireland Ltd
IMII	IMI PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
IMTI	IMPERIAL TOBACCO GROUP PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
INCHI	INCHCAPE PLC		Virtu Financial Ireland Ltd
INDm	INDESIT CO SPA		Virtu Financial Ireland Ltd
INDUAs	INDUSTRIVARDEN AB-A SHS		Société Générale SA
INFI	INFORMA PLC		Virtu Financial Ireland Ltd

<b>Symbol</b>	<b>Name</b>	<b>Schedule A</b>	<b>Schedule B</b>
INGAa	ING GROEP NV-CVA	BNP Paribas Arbitrage	Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd
INGp	INGENICO		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
INTUI	INTU PROPERTIES PLC		Virtu Financial Ireland Ltd
INVEBs	INVESTOR AB-B SHS		Barclays Capital Securities Ltd Société Générale SA
INVPI	INVESTEC PLC		Virtu Financial Ireland Ltd
IPFI	INTERNATIONAL PERSONAL FINAN		Virtu Financial Ireland Ltd
IPm	INTERPUMP GROUP SPA		Virtu Financial Ireland Ltd
IPNp	IPSEN		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
IPSp	IPSOS		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
IREm	IREN SPA		Virtu Financial Ireland Ltd
ISATI	INMARSAT PLC		Virtu Financial Ireland Ltd
ISPm	INTESA SANPAOLO		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ISPRm	INTESA SANPAOLO-RSP		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ITm	ITALCEMENTI SPA		Virtu Financial Ireland Ltd
ITRKI	INTERTEK GROUP PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
ITVI	ITV PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
ITXe	INDITEX	BNP Paribas Arbitrage	Virtu Financial Ireland Ltd
IVGd	IVG IMMOBILIEN AG		Virtu Financial Ireland Ltd
JLTI	JARDINE LLOYD THOMPSON GROUP		Virtu Financial Ireland Ltd
JMATI	JOHNSON MATTHEY PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
JMTu	JERONIMO MARTINS		Virtu Financial Ireland Ltd
JYSKc	JYSKE BANK-REG		Virtu Financial Ireland Ltd
KAZI	KAZAKHMYS PLC		Virtu Financial Ireland Ltd
KBCb	KBC GROEP NV		Virtu Financial Ireland Ltd
KBCd	KONTRON AG		Virtu Financial Ireland Ltd
KCOd	KLOECKNER & CO SE		Virtu Financial Ireland Ltd
KCR1Vh	KONECRANES OYJ		Virtu Financial Ireland Ltd

<b>Symbol</b>	<b>Name</b>	<b>Schedule A</b>	<b>Schedule B</b>
KD8d	KABEL DEUTSCHLAND HOLDING AG		Virtu Financial Ireland Ltd
KERp	KERING		Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
KESBVh	KESKO OYJ-B SHS		Virtu Financial Ireland Ltd
KGFI	KINGFISHER PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
KNEBVh	KONE OYJ-B		Virtu Financial Ireland Ltd
KNp	NATIXIS		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
KPNa	KONINKLIJKE KPN NV		Société Générale SA Virtu Financial Ireland Ltd
KRA1Vh	KEMIRA OYJ		Virtu Financial Ireland Ltd
KRNd	KRONES AG		Virtu Financial Ireland Ltd
KRXi	KINGSPAN GROUP PLC		Virtu Financial Ireland Ltd
KRZi	KERRY GROUP PLC-A		Virtu Financial Ireland Ltd
KTCa	TEN CATE NV		Virtu Financial Ireland Ltd
KU2d	KUKA AG		Virtu Financial Ireland Ltd
LADI	LADBROKES PLC		Virtu Financial Ireland Ltd
LANDI	LAND SECURITIES GROUP PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
LEOd	LEONI AG		Virtu Financial Ireland Ltd
LGENI	LEGAL & GENERAL GROUP PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
LGp	LAFARGE SA		Barclays Capital Securities Ltd BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
LHAd	DEUTSCHE LUFTHANSA-REG		Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd
LINd	LINDE AG		Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd
Llp	KLEPIERRE		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
LLOYI	LLOYDS BANKING GROUP PLC		Virtu Financial Ireland Ltd
LMII	LONMIN PLC		Virtu Financial Ireland Ltd

<b>Symbol</b>	<b>Name</b>	<b>Schedule A</b>	<b>Schedule B</b>
LNZv	LENZING AG		Virtu Financial Ireland Ltd
LOCALp	SOLOCAL GROUP		Virtu Financial Ireland Ltd
LRDI	LAIRD PLC		Virtu Financial Ireland Ltd
LREI	LANCASHIRE HOLDINGS LTD		Virtu Financial Ireland Ltd
LRp	LEGRAND SA		Barclays Capital Securities Ltd BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
LSEI	LONDON STOCK EXCHANGE GROUP		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
LUNc	H LUNDBECK A/S		Virtu Financial Ireland Ltd
LUPEs	LUNDIN PETROLEUM AB		Barclays Capital Securities Ltd Société Générale SA
LUXm	LUXOTTICA GROUP SPA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
LXSd	LANXESS AG		Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd
MABI	MITCHELLS & BUTLERS PLC		Virtu Financial Ireland Ltd
MAERAc	AP MOELLER-MAERSK A/S-A		Virtu Financial Ireland Ltd
MAERBc	AP MOELLER-MAERSK A/S-B		Virtu Financial Ireland Ltd
MAND	MAN SE		Virtu Financial Ireland Ltd
MAPe	MAPFRE SA		Virtu Financial Ireland Ltd
MARu	MARTIFER SGPS SA		Virtu Financial Ireland Ltd
MAUp	MAUREL ET PROM		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
MBm	MEDIOBANCA SPA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
MCp	LVMH MOET HENNESSY LOUIS VUI	BNP Paribas Arbitrage	Barclays Capital Securities Ltd BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
MCROI	MICRO FOCUS INTERNATIONAL		Virtu Financial Ireland Ltd

<b>Symbol</b>	<b>Name</b>	<b>Schedule A</b>	<b>Schedule B</b>
MEDm	MEDIOLANUM SPA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
MEO1Vh	METSO OYJ		Virtu Financial Ireland Ltd
MEOd	METRO AG		Virtu Financial Ireland Ltd
MERYp	MERCIALYS		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
METSBh	METSA BOARD OYJ		Virtu Financial Ireland Ltd
MFp	WENDEL		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
MGAMI	MORGAN ADVANCED MATERIALS PLC		Virtu Financial Ireland Ltd
MGGTI	MEGGITT PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
MHGo	MARINE HARVEST		Virtu Financial Ireland Ltd
MKSI	MARKS & SPENCER GROUP PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
MLCI	MILLENNIUM & COPTHORNE HOTEL		Virtu Financial Ireland Ltd
MLp	MICHELIN (CGDE)		Barclays Capital Securities Ltd BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
MMBp	LAGARDERE S.C.A.		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
MMKv	MAYR-MELNHOF KARTON AG		Virtu Financial Ireland Ltd
MMTp	M6-METROPOLE TELEVISION		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
MNDII	MONDI PLC		Virtu Financial Ireland Ltd
MNKSI	MONKS INVESTMENT TRUST PLC		Virtu Financial Ireland Ltd
MNm	ARNOLDO MONDADORI EDITORE		Virtu Financial Ireland Ltd
MOBBb	MOBISTAR SA		Virtu Financial Ireland Ltd
MORd	MORPHOSYS AG		Virtu Financial Ireland Ltd
MPII	MICHAEL PAGE INTERNATIONAL		Virtu Financial Ireland Ltd
MRCI	MERCANTILE INVESTMENT TRUST		Virtu Financial Ireland Ltd

<b>Symbol</b>	<b>Name</b>	<b>Schedule A</b>	<b>Schedule B</b>
MRKd	MERCK KGAA		Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd
MROI	MELROSE PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
MRWI	WM MORRISON SUPERMARKETS		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
MSm	MEDIASET SPA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
MTa	ARCELORMITTAL	BNP Paribas Arbitrage	Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd
MTGBs	MODERN TIMES GROUP-B SHS		Barclays Capital Securities Ltd Société Générale SA
MTm	MAIRE TECNIMONT SPA		Virtu Financial Ireland Ltd
MTOI	MITIE GROUP PLC		Virtu Financial Ireland Ltd
MTXd	MTU AERO ENGINES HOLDING AG		Virtu Financial Ireland Ltd
MUV2d	MUENCHENER RUECKVER AG-REG	BNP Paribas Arbitrage	Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd
MYII	MURRAY INTERNATIONAL TR-O		Virtu Financial Ireland Ltd
NASo	NORWEGIAN AIR SHUTTLE AS		Virtu Financial Ireland Ltd
NDA1Vh	NORDEA BANK AB - FDR		Virtu Financial Ireland Ltd
NDAc	NORDEA BANK AB		Virtu Financial Ireland Ltd
NDAd	AURUBIS AG		Virtu Financial Ireland Ltd
NDAs	NORDEA BANK AB		Barclays Capital Securities Ltd Société Générale SA
NDX1d	NORDEX SE		Virtu Financial Ireland Ltd
NEOp	NEOPOST SA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
NES1Vh	NESTE OIL OYJ		Virtu Financial Ireland Ltd
NEXI	NATIONAL EXPRESS GROUP PLC		Virtu Financial Ireland Ltd
NEXp	NEXANS SA		BNP Paribas Arbitrage Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
NGI	NATIONAL GRID PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
NHYo	NORSK HYDRO ASA		Virtu Financial Ireland Ltd

<b>Symbol</b>	<b>Name</b>	<b>Schedule A</b>	<b>Schedule B</b>
NISTla	NIEUWE STEEN INVESTMENTS NV		Virtu Financial Ireland Ltd
NKp	IMERYS SA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
NKTc	NKT HOLDING A/S		Virtu Financial Ireland Ltd
NOK1Vh	NOKIA OYJ	BNP Paribas Arbitrage	Virtu Financial Ireland Ltd
NOKIs	NOKIA OYJ		Société Générale SA
NOVOBc	NOVO NORDISK A/S-B		Virtu Financial Ireland Ltd
NPROo	NORWEGIAN PROPERTY ASA		Virtu Financial Ireland Ltd
NRE1Vh	NOKIAN RENKAAT OYJ		Virtu Financial Ireland Ltd
NSGo	NORSKE SKOGINDUSTRIER ASA		Virtu Financial Ireland Ltd
NUOa	NUTRECO NV		Virtu Financial Ireland Ltd
NXlp	NEXITY		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
NXTI	NEXT PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
NYRb	NYRSTAR		Virtu Financial Ireland Ltd
NZYMBc	NOVOZYMES A/S-B SHARES		Virtu Financial Ireland Ltd
O2Dd	TELEFONICA DEUTSCHLAND HOLDING		Virtu Financial Ireland Ltd
OHLe	OBRASCON HUARTE LAIN S.A.		Virtu Financial Ireland Ltd
OKDBVh	ORIOLA-KD OYJ B SHARES		Virtu Financial Ireland Ltd
OMLI	OLD MUTUAL PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
OMVv	OMV AG		Virtu Financial Ireland Ltd
OPERAo	OPERA SOFTWARE ASA		Virtu Financial Ireland Ltd
OPHRI	OPHIR ENERGY PLC		Virtu Financial Ireland Ltd
ORAp	ORANGE		Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ORDIa	ORDINA NV		Virtu Financial Ireland Ltd
ORKo	ORKLA ASA		Virtu Financial Ireland Ltd
ORNAVh	ORION OYJ-CLASS A		Virtu Financial Ireland Ltd
ORNBVh	ORION OYJ-CLASS B		Virtu Financial Ireland Ltd

<b>Symbol</b>	<b>Name</b>	<b>Schedule A</b>	<b>Schedule B</b>
ORp	L'OREAL	BNP Paribas Arbitrage	Barclays Capital Securities Ltd BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ORPp	ORPEA		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
OTE1Vh	OUTOTEC OYJ		Virtu Financial Ireland Ltd
OUT1Vh	OUTOKUMPU OYJ		Virtu Financial Ireland Ltd
OXIGI	OXFORD INSTRUMENTS PLC		Virtu Financial Ireland Ltd
PAGI	PARAGON GROUP COMPANIES PLC		Virtu Financial Ireland Ltd
PAH3d	PORSCHE AUTOMOBIL HLDG-PRF		Virtu Financial Ireland Ltd
PCm	PIRELLI & C.		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
PFCI	PETROFAC LTD		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
PFGI	PROVIDENT FINANCIAL PLC		Virtu Financial Ireland Ltd
PGILI	POLYUS GOLD INTERNATIONAL LT		Virtu Financial Ireland Ltd
PGSo	PETROLEUM GEO- SERVICES		Virtu Financial Ireland Ltd
PHIAa	KONINKLIJKE PHILIPS ELECTRONIC	BNP Paribas Arbitrage	Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd
PIAm	PIAGGIO & C. S.P.A.		Virtu Financial Ireland Ltd
PICI	PACE PLC		Virtu Financial Ireland Ltd
PLSi	PADDY POWER PLC		Virtu Financial Ireland Ltd
PLTm	PARMALAT SPA		BNP Paribas Arbitrage Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
PMIm	BANCA POPOLARE DI MILANO		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
PMOI	PREMIER OIL PLC		Virtu Financial Ireland Ltd
PNDORc	PANDORA A/S		Virtu Financial Ireland Ltd
PNLa	POSTNL NV		Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd
PNNI	PENNON GROUP PLC		Virtu Financial Ireland Ltd



<b>Symbol</b>	<b>Name</b>	<b>Schedule A</b>	<b>Schedule B</b>
POGI	PETROPAVLOVSK PLC		Virtu Financial Ireland Ltd
POH1Sh	POHJOLA BANK PLC-A SHS		Virtu Financial Ireland Ltd
POLYI	POLYMETAL INTERNATIONAL PLC		Virtu Financial Ireland Ltd
POMp	PLASTIC OMNIUM		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
POPe	BANCO POPULAR ESPANOL		Virtu Financial Ireland Ltd
POSTv	OESTERREICHISCHE POST AG		Virtu Financial Ireland Ltd
POY1Vh	POYRY OYJ		Virtu Financial Ireland Ltd
PRSe	PROMOTORA DE INFORMACIONES-A		Virtu Financial Ireland Ltd
PRSo	PROSAFE SE		Virtu Financial Ireland Ltd
PRUI	PRUDENTIAL PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
PRYm	PRYSMIAN SPA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
PSMd	PROSIEBEN SAT.1 MEDIA AG-PRF		Virtu Financial Ireland Ltd
PSNI	PERSIMMON PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
PSONI	PEARSON PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
PTCu	PORTUGAL TELECOM SGPS SA-REG		Virtu Financial Ireland Ltd
PTECI	PLAYTECH LTD		Virtu Financial Ireland Ltd
PUBp	PUBLICIS GROUPE		Barclays Capital Securities Ltd BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
PUMd	PUMA SE		Virtu Financial Ireland Ltd
PZCI	PZ CUSSONS PLC		Virtu Financial Ireland Ltd
QEDI	QUINTAIN ESTATES & DEV PLC		Virtu Financial Ireland Ltd
QIAd	QIAGEN N.V.		Virtu Financial Ireland Ltd
QQI	QINETIQ GROUP PLC		Virtu Financial Ireland Ltd
QSCd	QSC AG		Virtu Financial Ireland Ltd
RALp	RALLYE SA		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
RANDa	RANDSTAD HOLDING NV		Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd

<b>Symbol</b>	<b>Name</b>	<b>Schedule A</b>	<b>Schedule B</b>
RBiv	RAIFFEISEN BANK INTERNATIONA		Virtu Financial Ireland Ltd
RBI	RECKITT BENCKISER GROUP PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
RBSI	ROYAL BANK OF SCOTLAND GROUP		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
RCFp	TELEPERFORMANCE		Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
RCLo	ROYAL CARIBBEAN CRUISES LTD		Virtu Financial Ireland Ltd
RCOp	REMY COINTREAU		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
RCPI	RIT CAPITAL PARTNERS PLC		Virtu Financial Ireland Ltd
RCSm	RCS MEDIAGROUP SPA		Virtu Financial Ireland Ltd
RDSAa	ROYAL DUTCH SHELL PLC- A SHS		Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd
RDSAI	ROYAL DUTCH SHELL PLC- A SHS		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
RDSBI	ROYAL DUTCH SHELL PLC- B SHS		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
RECM	RECORDATI SPA		Virtu Financial Ireland Ltd
RECo	REC SILICON ASA		Virtu Financial Ireland Ltd
REEe	RED ELECTRICA CORPORACION SA		Virtu Financial Ireland Ltd
RELI	REED ELSEVIER PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
RENa	REED ELSEVIER NV		Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd
REPe	REPSOL SA	BNP Paribas Arbitrage	Virtu Financial Ireland Ltd
REXI	REXAM PLC		Virtu Financial Ireland Ltd
RFp	EURAZEO		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
RHiv	RHI AG		Virtu Financial Ireland Ltd
RHKd	RHOEN-KLINIKUM AG		Virtu Financial Ireland Ltd
RHMd	RHEINMETALL AG		Virtu Financial Ireland Ltd
RINp	VILMORIN & CIE		Citadel Securities (Europe) Ltd
RIOI	RIO TINTO PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd

<b>Symbol</b>	<b>Name</b>	<b>Schedule A</b>	<b>Schedule B</b>
Rlp	PERNOD-RICARD SA		Barclays Capital Securities Ltd BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
RMGI	ROYAL MAIL PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
RMR1Vh	RAMIRENT OYJ		Virtu Financial Ireland Ltd
RMSp	HERMES INTERNATIONAL		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
RMVI	RIGHTMOVE PLC		Virtu Financial Ireland Ltd
RNOp	RENAULT SA		Barclays Capital Securities Ltd BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
RORI	ROTORK PLC		Virtu Financial Ireland Ltd
RRI	ROLLS-ROYCE HOLDINGS PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
RRSI	RANDGOLD RESOURCES LTD		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
RSAI	RSA INSURANCE GROUP PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
RSLI	RESOLUTION LTD		Virtu Financial Ireland Ltd
RTNI	RESTAURANT GROUP PLC		Virtu Financial Ireland Ltd
RTOI	RENTOKIL INITIAL PLC		Virtu Financial Ireland Ltd
RTRKSh	RAUTARUUKKI OYJ		Virtu Financial Ireland Ltd
RUIp	RUBIS		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
RWE3d	RWE AG-NON VTG PFD		Virtu Financial Ireland Ltd
RWE d	RWE AG	BNP Paribas Arbitrage	Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd
RXLp	REXEL SA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
RY4Bi	RYANAIR HOLDINGS PLC		Virtu Financial Ireland Ltd
S92d	SMA SOLAR TECHNOLOGY AG		Virtu Financial Ireland Ltd
SAA1Vh	SANOMA OYJ		Virtu Financial Ireland Ltd
SABe	BANCO DE SABADELL SA		Virtu Financial Ireland Ltd

<b>Symbol</b>	<b>Name</b>	<b>Schedule A</b>	<b>Schedule B</b>
SABI	SABMILLER PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
SAFp	SAFRAN SA		Barclays Capital Securities Ltd BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
SAMASh	SAMPO OYJ-A SHS		Virtu Financial Ireland Ltd
SANDs	SANDVIK AB		Barclays Capital Securities Ltd Société Générale SA
SANe	BANCO SANTANDER SA	BNP Paribas Arbitrage	Virtu Financial Ireland Ltd
SANp	SANOFI	BNP Paribas Arbitrage	Barclays Capital Securities Ltd BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
SAPd	SAP AG	BNP Paribas Arbitrage	Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd
SAZd	STADA ARZNEIMITTEL AG		Virtu Financial Ireland Ltd
SBMOa	SBM OFFSHORE NV		Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd
SBOv	SCHOELLER-BLECKMANN OILFIELD		Virtu Financial Ireland Ltd
SBRYI	SAINSBURY (J) PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
SCABs	SVENSKA CELLULOSA AB- B SHS		Barclays Capital Securities Ltd Société Générale SA
SCHo	SCHIBSTED ASA		Virtu Financial Ireland Ltd
SCRp	SCOR SE		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
SCVBs	SCANIA AB-B SHS		Barclays Capital Securities Ltd Société Générale SA
SDA1Vh	SPONDA OYJ		Virtu Financial Ireland Ltd
SDFd	K+S AG-REG		Société Générale SA Virtu Financial Ireland Ltd
SDLI	SDL PLC		Virtu Financial Ireland Ltd
SDRI	SCHRODERS PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
SDRLo	SEADRILL LTD		Virtu Financial Ireland Ltd
SEBAs	SKANDINAVISKA ENSKILDA BAN-A		Barclays Capital Securities Ltd Société Générale SA

<b>Symbol</b>	<b>Name</b>	<b>Schedule A</b>	<b>Schedule B</b>
SECUBs	SECURITAS AB-B SHS		Barclays Capital Securities Ltd Société Générale SA
SESGp	SES		Société Générale SA Virtu Financial Ireland Ltd
SEVAno	SEVAN MARINE ASA		Virtu Financial Ireland Ltd
SEVp	SUEZ ENVIRONNEMENT CO		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
SFERm	SALVATORE FERRAGAMO SPA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
SFLm	SAFILO GROUP SPA		Virtu Financial Ireland Ltd
SGCI	STAGECOACH GROUP PLC		Virtu Financial Ireland Ltd
SGEI	SAGE GROUP PLC/THE		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
SGLd	SGL CARBON SE		Virtu Financial Ireland Ltd
SGOp	COMPAGNIE DE SAINT- GOBAIN	BNP Paribas Arbitrage	Barclays Capital Securities Ltd BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
SGPI	SUPERGROUP PLC		Virtu Financial Ireland Ltd
SGROI	SEGRO PLC		Virtu Financial Ireland Ltd
SHBAs	SVENSKA HANDELSBANKEN-A SHS		Barclays Capital Securities Ltd Société Générale SA
SHBI	SHAFTESBURY PLC		Virtu Financial Ireland Ltd
SHII	SIG PLC		Virtu Financial Ireland Ltd
SHPI	SHIRE PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
SIAI	SOCO INTERNATIONAL PLC		Virtu Financial Ireland Ltd
SIEd	SIEMENS AG-REG	BNP Paribas Arbitrage	Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd
SIGI	SIGNET JEWELERS LTD		Virtu Financial Ireland Ltd
SISm	SIAS SPA		Virtu Financial Ireland Ltd
SK3i	SMURFIT KAPPA GROUP PLC		Virtu Financial Ireland Ltd
SKABs	SKANSKA AB-B SHS		Barclays Capital Securities Ltd Société Générale SA
SKFBs	SKF AB-B SHARES		Barclays Capital Securities Ltd Société Générale SA

<b>Symbol</b>	<b>Name</b>	<b>Schedule A</b>	<b>Schedule B</b>
SKp	SEB SA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
SKYDd	SKY DEUTSCHLAND AG		Virtu Financial Ireland Ltd
SLIGRa	SLIGRO FOOD GROUP NV		Virtu Financial Ireland Ltd
SLI	STANDARD LIFE PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
SMDSI	DS SMITH PLC		Virtu Financial Ireland Ltd
SMINI	SMITHS GROUP PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
SMTI	SCOTTISH MORTGAGE INV TR PLC		Virtu Financial Ireland Ltd
SMWHI	WH SMITH PLC		Virtu Financial Ireland Ltd
SNI	SMITH & NEPHEW PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
SOFb	SOFINA		Virtu Financial Ireland Ltd
SOIp	S.O.I.T.E.C.		Virtu Financial Ireland Ltd
SOLBb	SOLVAY SA		Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd
SONCu	SONAE CAPITAL SGPS SA		Virtu Financial Ireland Ltd
SONGo	SONGA OFFSHORE SE		Virtu Financial Ireland Ltd
SONu	SONAE		Virtu Financial Ireland Ltd
SOWd	SOFTWARE AG		Virtu Financial Ireland Ltd
SPDI	SPORTS DIRECT INTERNATIONAL		Barclays Capital Securities Ltd
SPMm	SAIPEM SPA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
SPRd	AXEL SPRINGER AG		Virtu Financial Ireland Ltd
SPTI	SPIRENT COMMUNICATIONS PLC		Virtu Financial Ireland Ltd
SPXI	SPIRAX-SARCO ENGINEERING PLC		Virtu Financial Ireland Ltd
SRGm	SNAM SPA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
SRNm	SORIN SPA		Virtu Financial Ireland Ltd
SRPI	SERCO GROUP PLC		Virtu Financial Ireland Ltd
SRSm	SARAS SPA		Virtu Financial Ireland Ltd
SSABAs	SSAB AB-A SHARES		Société Générale SA

<b>Symbol</b>	<b>Name</b>	<b>Schedule A</b>	<b>Schedule B</b>
SSEI	SSE PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
STANI	STANDARD CHARTERED PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
STBo	STOREBRAND ASA		Virtu Financial Ireland Ltd
STERVh	STORA ENSO OYJ-R SHS		Virtu Financial Ireland Ltd
STLo	STATOIL ASA		Virtu Financial Ireland Ltd
STMm	STMICROELECTRONICS NV		Société Générale SA
STMp	STMICROELECTRONICS NV		Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd
STRv	STRABAG SE-BR		Virtu Financial Ireland Ltd
STSm	ANSALDO STS SPA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
SUBCo	SUBSEA 7 SA		Virtu Financial Ireland Ltd
SUp	SCHNEIDER ELECTRIC SA	BNP Paribas Arbitrage	Barclays Capital Securities Ltd BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
SVAu	SAG GEST-SOLUCOES AUTOMOVEL		Virtu Financial Ireland Ltd
SVTI	SEVERN TRENT PLC		Virtu Financial Ireland Ltd
SWEDAs	SWEDBANK AB - A SHARES		Barclays Capital Securities Ltd Société Générale SA
SWMAs	SWEDISH MATCH AB		Barclays Capital Securities Ltd Société Générale SA
SWp	SODEXO		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
SWVd	SOLARWORLD AG		Virtu Financial Ireland Ltd
SXSI	SPECTRIS PLC		Virtu Financial Ireland Ltd
SY1d	SYMRISE AG		Virtu Financial Ireland Ltd
SYDBc	SYDBANK A/S		Virtu Financial Ireland Ltd
SZGd	SALZGITTER AG		Virtu Financial Ireland Ltd
SZUd	SUEDZUCKER AG		Virtu Financial Ireland Ltd
TALKI	TALKTALK TELECOM GROUP		Virtu Financial Ireland Ltd
TATEI	TATE & LYLE PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
TCHp	THOMSON (EX-TMM)		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd

<b>Symbol</b>	<b>Name</b>	<b>Schedule A</b>	<b>Schedule B</b>
TCYI	TELECITY GROUP PLC		Virtu Financial Ireland Ltd
TDCc	TDC A/S		Virtu Financial Ireland Ltd
TDSAu	TEIXEIRA DUARTE SA		Virtu Financial Ireland Ltd
TECp	TECHNIP SA		Barclays Capital Securities Ltd BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
TEFe	TELEFONICA SA	BNP Paribas Arbitrage	Virtu Financial Ireland Ltd
TEL2Bs	TELE2 AB-B SHS		Barclays Capital Securities Ltd Société Générale SA
TELo	TELENOR ASA		Virtu Financial Ireland Ltd
TEMI	TEMPLETON EMERGING MARKETS-O		Virtu Financial Ireland Ltd
TENm	TENARIS SA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd
TFlp	TELEVISION FRANCAISE (T.F.1)		BNP Paribas Arbitrage Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
TGSo	TGS NOPEC GEOPHYSICAL CO ASA		Virtu Financial Ireland Ltd
TIE1Vh	TIETO OYJ		Virtu Financial Ireland Ltd
TIGb	TIGENIX NV		Virtu Financial Ireland Ltd
TISm	TISCALI SPA		Virtu Financial Ireland Ltd
TITm	TELECOM ITALIA SPA	BNP Paribas Arbitrage	BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
TITRm	TELECOM ITALIA-RSP		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
TKAd	THYSSENKRUPP AG		Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd
TKAv	TELEKOM AUSTRIA AG		Virtu Financial Ireland Ltd
TL5e	MEDIASET ESPANA COMUNICACION		Virtu Financial Ireland Ltd
TLPRI	TULLETT PREBON PLC		Virtu Financial Ireland Ltd
TLS1Vh	TELIASONERA AB		Virtu Financial Ireland Ltd
TLSNs	TELIASONERA AB		Société Générale SA
TLV1Vh	TALVIVAARA MINING CO PLC		Virtu Financial Ireland Ltd
TLWI	TULLOW OIL PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
TLXd	TALANX AG		Virtu Financial Ireland Ltd



<b>Symbol</b>	<b>Name</b>	<b>Schedule A</b>	<b>Schedule B</b>
TNETb	TELENET GROUP HOLDING NV		Virtu Financial Ireland Ltd
TNTEa	TNT EXPRESS NV		Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd
TODm	TOD'S SPA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
TOM2a	TOMTOM		Virtu Financial Ireland Ltd
TOMo	TOMRA SYSTEMS ASA		Virtu Financial Ireland Ltd
TOPc	TOPDANMARK A/S		Virtu Financial Ireland Ltd
TPKI	TRAVIS PERKINS PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
TREe	TECNICAS REUNIDAS SA		Virtu Financial Ireland Ltd
TRNm	TERNA SPA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
TRYGc	TRYG A/S		Virtu Financial Ireland Ltd
TSCOI	TESCO PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
TTI	TUI TRAVEL PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
TUI1d	TUI AG		Virtu Financial Ireland Ltd
TWEKAa	TKH GROUP NV-DUTCH CERT		Virtu Financial Ireland Ltd
TWI	TAYLOR WIMPEY PLC		Virtu Financial Ireland Ltd
UBIm	UBI BANCA SCPA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
UBIp	UBISOFT ENTERTAINMENT		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
UBMI	UBM PLC		Virtu Financial Ireland Ltd
UCBb	UCB SA		Virtu Financial Ireland Ltd
UCGm	UNICREDIT SPA	BNP Paribas Arbitrage	BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
UGp	PEUGEOT SA		Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ULa	UNIBAIL-RODAMCO SE		Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd

<b>Symbol</b>	<b>Name</b>	<b>Schedule A</b>	<b>Schedule B</b>
ULEI	ULTRA ELECTRONICS HLDGS PLC		Virtu Financial Ireland Ltd
ULVRI	UNILEVER PLC	BNP Paribas Arbitrage	Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
UMIb	UMICORE		Virtu Financial Ireland Ltd
UNAAa	UNILEVER NV-CVA		Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd
UNIm	UNIPOL GRUPPO FINANZIARIO SP		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
UNIPm	UNIPOL GRUPPO FINANZIARI-PFD		Virtu Financial Ireland Ltd
UNIT4a	UNIT 4 NV		Virtu Financial Ireland Ltd
UNR1Vh	UPONOR OYJ		Virtu Financial Ireland Ltd
UPM1Vh	UPM-KYMMENE OYJ		Virtu Financial Ireland Ltd
USGa	USG PEOPLE NV		Virtu Financial Ireland Ltd
USm	UNIPOLSAI SPA		Société Générale SA Citadel Securities (Europe) Ltd
UTDIId	UNITED INTERNET AG-REG SHARE		Virtu Financial Ireland Ltd
UUI	UNITED UTILITIES GROUP PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
VASTNa	VASTNED RETAIL NV		Virtu Financial Ireland Ltd
VCTI	VICTREX PLC		Virtu Financial Ireland Ltd
VCTp	SA DES CIMENTS VICAT-VICAT		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
VEDI	VEDANTA RESOURCES PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
VERv	VERBUND AG		Virtu Financial Ireland Ltd
VIEp	VEOLIA ENVIRONNEMENT		Barclays Capital Securities Ltd BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
VIGv	VIENNA INSURANCE GROUP AG		Virtu Financial Ireland Ltd
VIRPp	VIRBAC SA		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
VISe	VISCOFAN SA		Virtu Financial Ireland Ltd
VIVp	VIVENDI		Barclays Capital Securities Ltd BNP Paribas Arbitrage Société Générale SA Citadel Securities (Europe) Ltd

<b>Symbol</b>	<b>Name</b>	<b>Schedule A</b>	<b>Schedule B</b>
VKp	VALLOUREC		Barclays Capital Securities Ltd BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
VODI	VODAFONE GROUP PLC		Virtu Financial Ireland Ltd
VOEv	VOESTALPINE AG		Virtu Financial Ireland Ltd
VOLVBs	VOLVO AB-B SHS		Barclays Capital Securities Ltd Société Générale SA
VOW3d	VOLKSWAGEN AG-PREF		Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd
VOWd	VOLKSWAGEN AG	BNP Paribas Arbitrage	Virtu Financial Ireland Ltd
VPKa	VOPAK		Virtu Financial Ireland Ltd
VSVSI	VESUVIUS PLC		Virtu Financial Ireland Ltd
VWSc	VESTAS WIND SYSTEMS A/S		Virtu Financial Ireland Ltd
WCHd	WACKER CHEMIE AG		Virtu Financial Ireland Ltd
WDHc	WILLIAM DEMANT HOLDING		Virtu Financial Ireland Ltd
WDId	WIRECARD AG		Virtu Financial Ireland Ltd
WEIRI	WEIR GROUP PLC/THE		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
WESa	KONINKLIJKE WESSANEN NV		Virtu Financial Ireland Ltd
WGI	WOOD GROUP (JOHN) PLC		Virtu Financial Ireland Ltd
WHAa	WERELDHAVE NV		Virtu Financial Ireland Ltd
WIEv	WIENERBERGER AG		Virtu Financial Ireland Ltd
WIND	WINCOR NIXDORF AG		Virtu Financial Ireland Ltd
WKL	WOLTERS KLUWER		Barclays Capital Securities Ltd Société Générale SA Virtu Financial Ireland Ltd
WMHI	WILLIAM HILL PLC		Virtu Financial Ireland Ltd
WOSI	WOLSELEY PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
WPPI	WPP PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
WRT1Vh	WARTSILA OYJ ABP		Virtu Financial Ireland Ltd
WTBI	WHITBREAD PLC		Barclays Capital Securities Ltd Virtu Financial Ireland Ltd
XCHI	XCHANGING PLC		Virtu Financial Ireland Ltd
YARo	YARA INTERNATIONAL ASA		Virtu Financial Ireland Ltd
YOOXm	YOOX SPA		Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd

<b>Symbol</b>	<b>Name</b>	<b>Schedule A</b>	<b>Schedule B</b>
YTY1Vh	YIT OYJ		Virtu Financial Ireland Ltd
ZAGv	ZUMTOBEL AG		Virtu Financial Ireland Ltd
ZCp	ZODIAC AEROSPACE		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ZIGGOa	ZIGGO NV		Société Générale SA
ZIL2d	ELRINGKLINGER AG		Virtu Financial Ireland Ltd
ZOTe	ZARDOYA OTIS SA		Virtu Financial Ireland Ltd

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